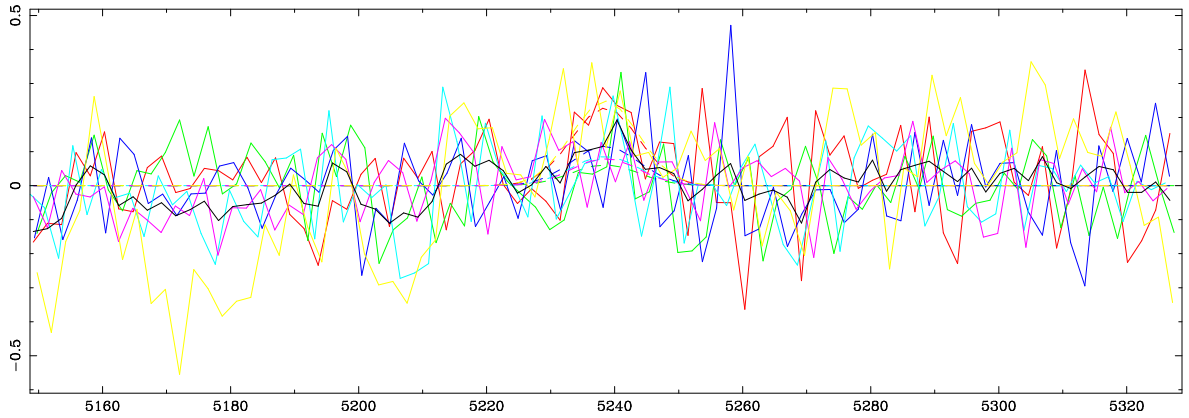


$S/N = 5.69$

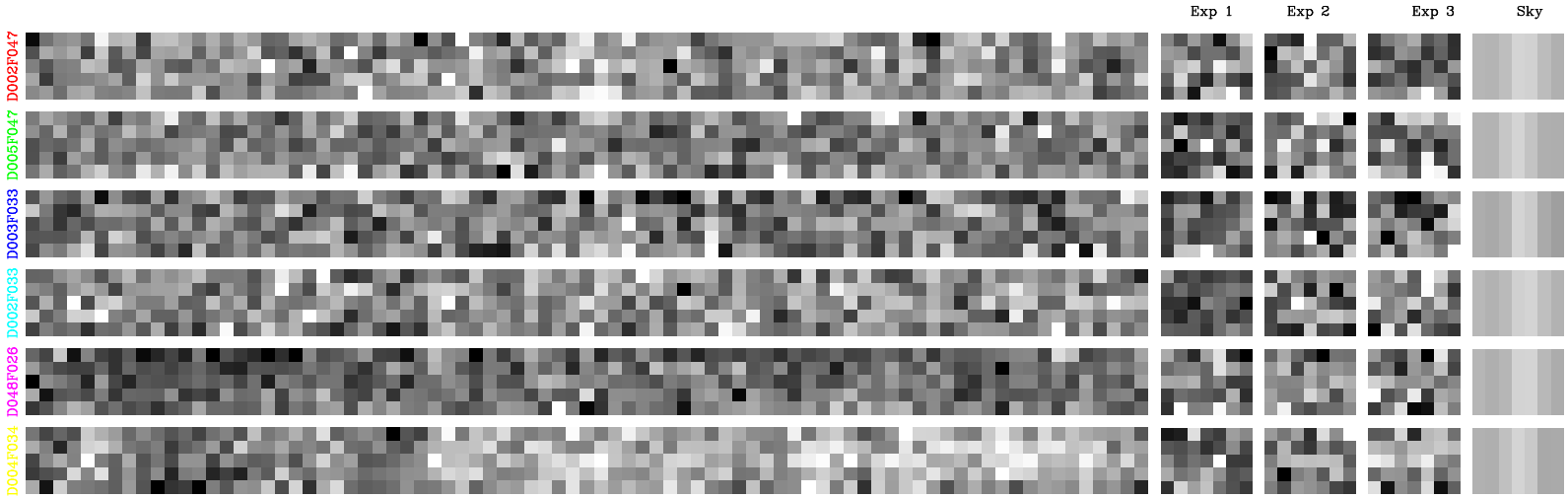
$FWHM_{obs} = 12.31Å$

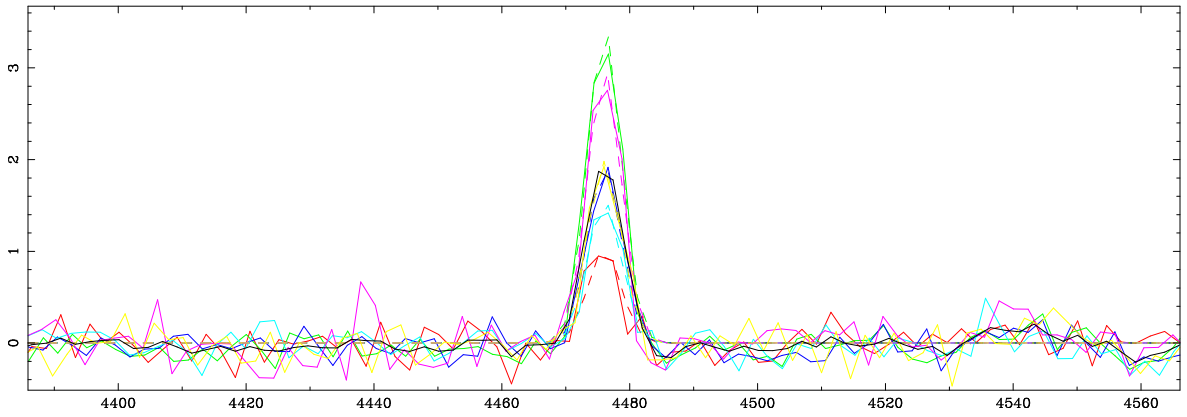
$\lambda_{obs} = 5238.51Å$

$EW_{obs} = 7.42Å$

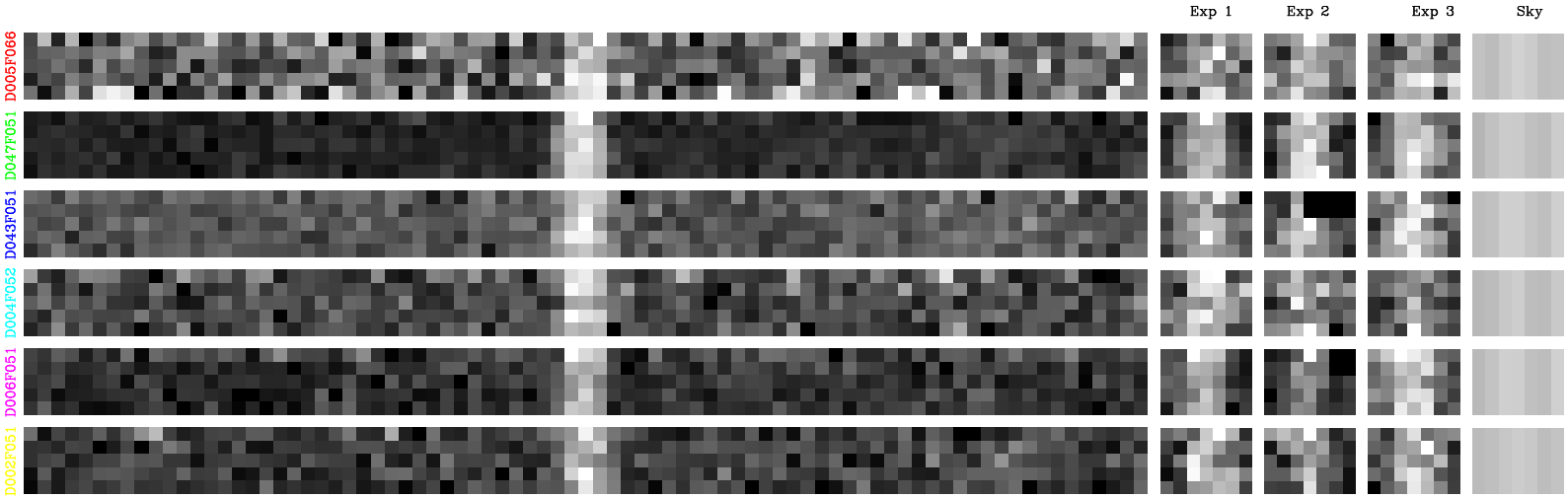
$\alpha_{2000} = 189.2309°$

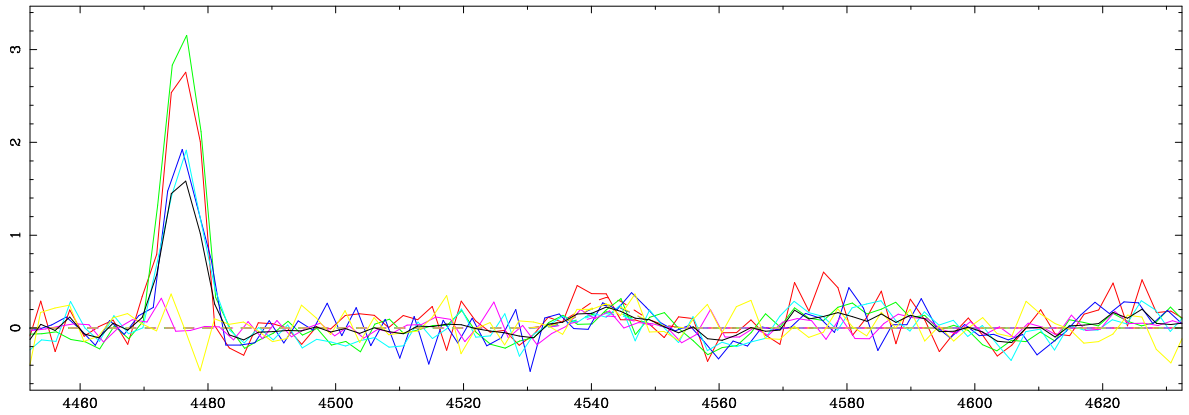
$\delta_{2000} = 62.2241°$





S/N = 40.61
$FWHM_{obs}$ = 6.20Å
λ_{obs} = 4476.04Å
EW_{obs} = 26.42Å
α_{2000} = 189.2134°
δ_{2000} = 62.2227°





S/N = 6.08

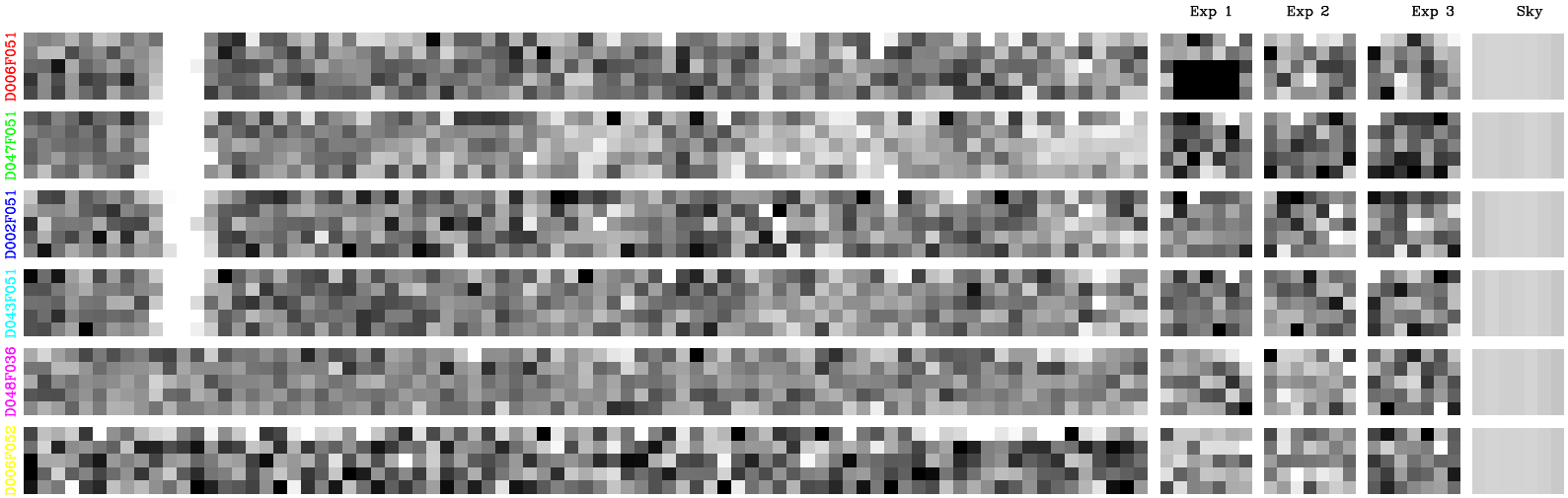
$FWHM_{obs}$ = 9.59Å

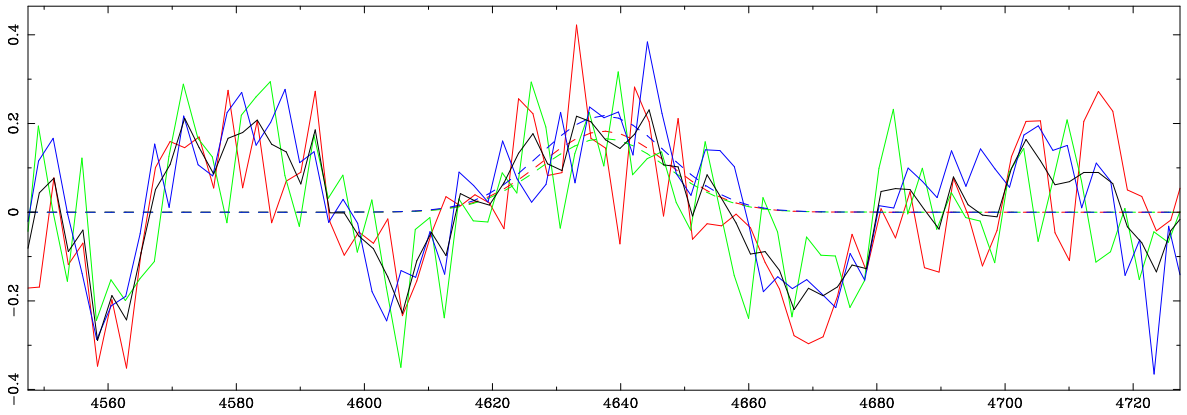
λ_{obs} = 4542.49Å

EW_{obs} = 4.68Å

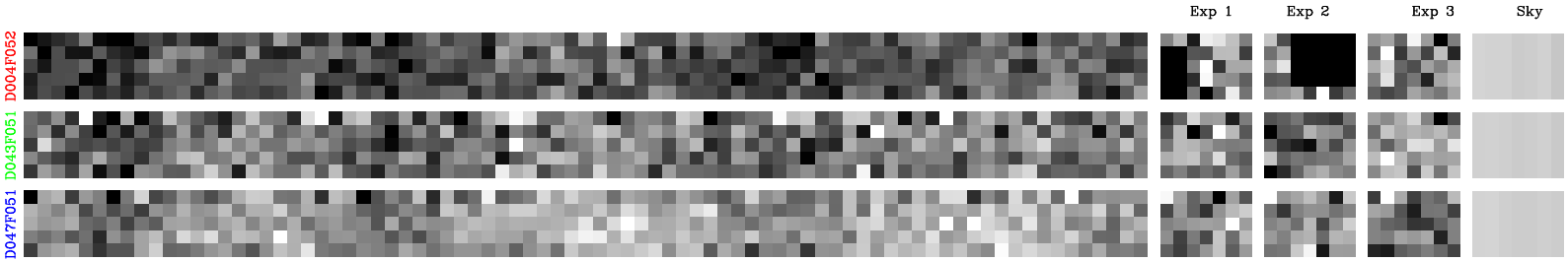
α_{2000} = 189.2128°

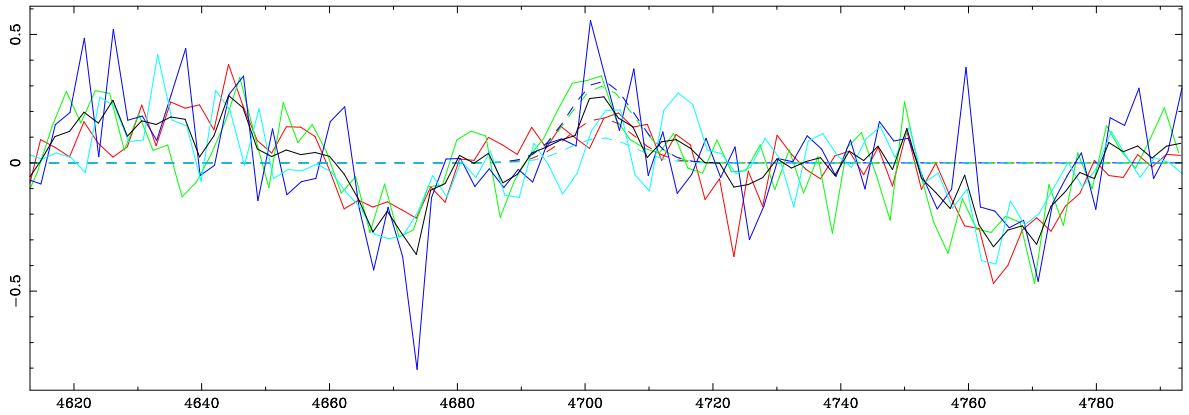
δ_{2000} = 62.2227°





S/N = 7.94
$FWHM_{obs}$ = 23.25Å
λ_{obs} = 4637.42Å
EW_{obs} = 7.21Å
α_{2000} = 189.2127°
δ_{2000} = 62.2228°





S/N = 6.45

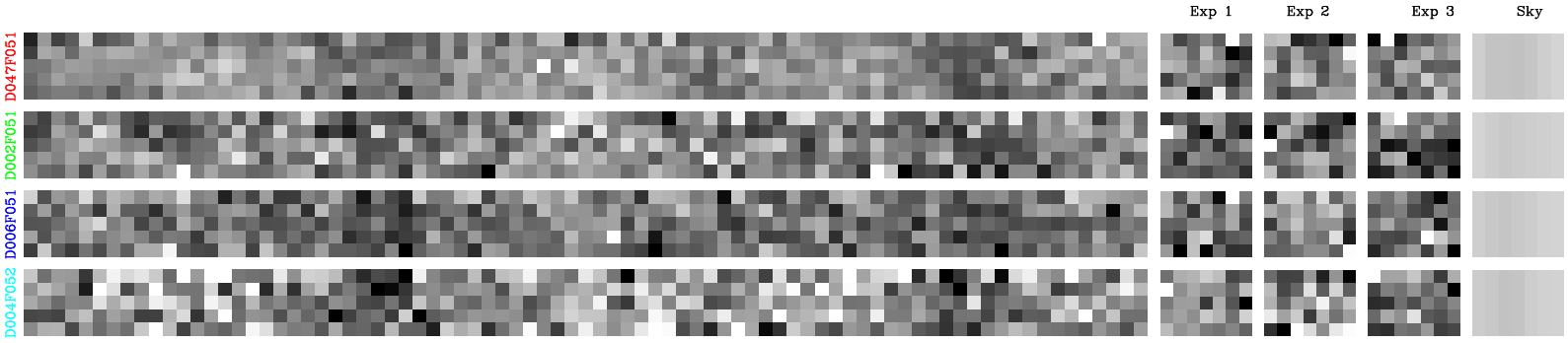
$FWHM_{obs}$ = 11.93Å

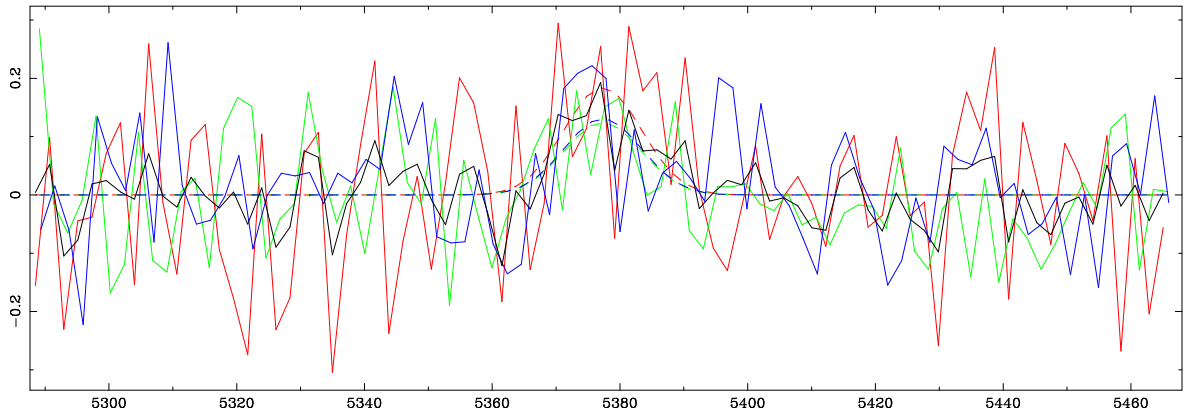
λ_{obs} = 4702.55Å

EW_{obs} = 3.98Å

α_{2000} = 189.2138°

δ_{2000} = 62.2228°





$S/N = 5.30$

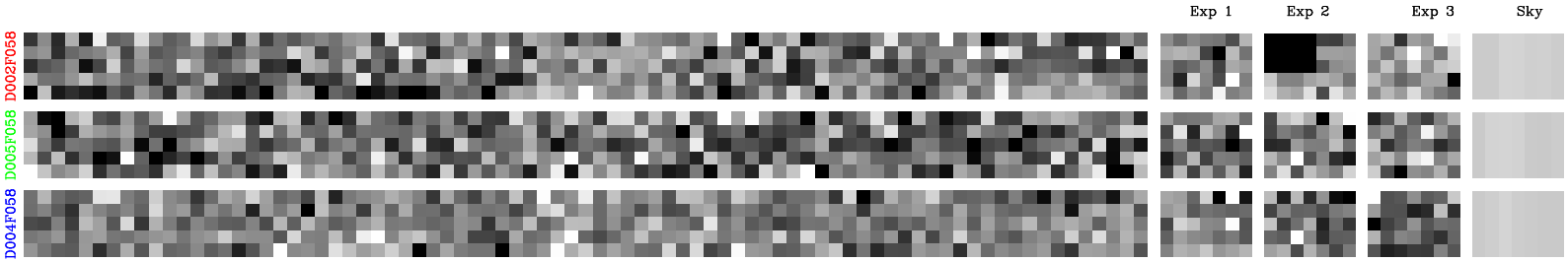
$FWHM_{obs} = 14.26Å$

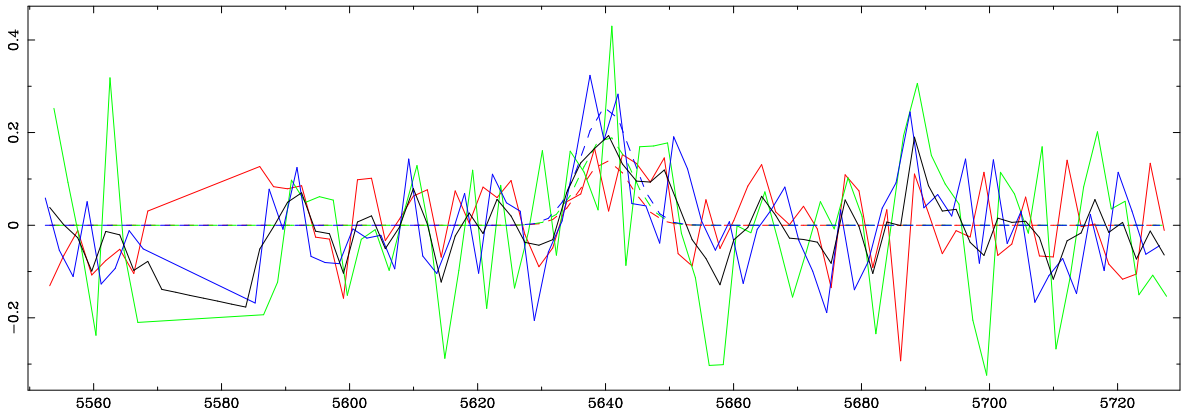
$\lambda_{obs} = 5377.32Å$

$EW_{obs} > 77.51Å$

$\alpha_{2000} = 189.1826°$

$\delta_{2000} = 62.2235°$





S/N = 5.33

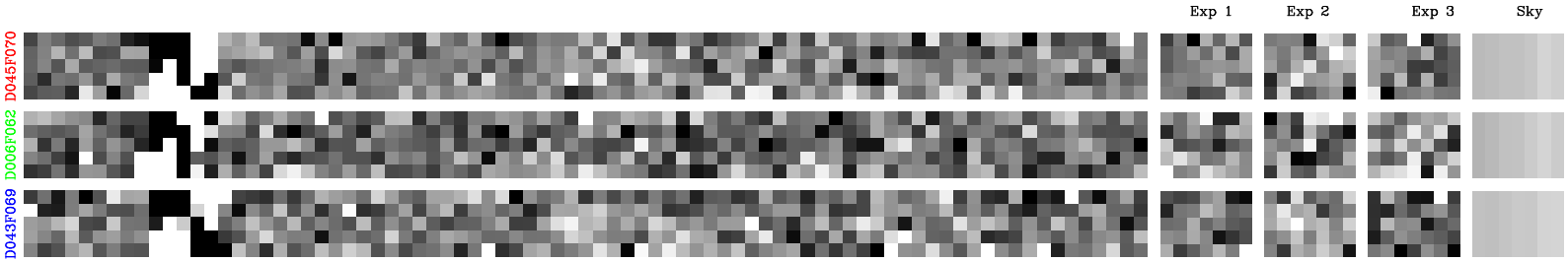
$FWHM_{obs}$ = 9.02Å

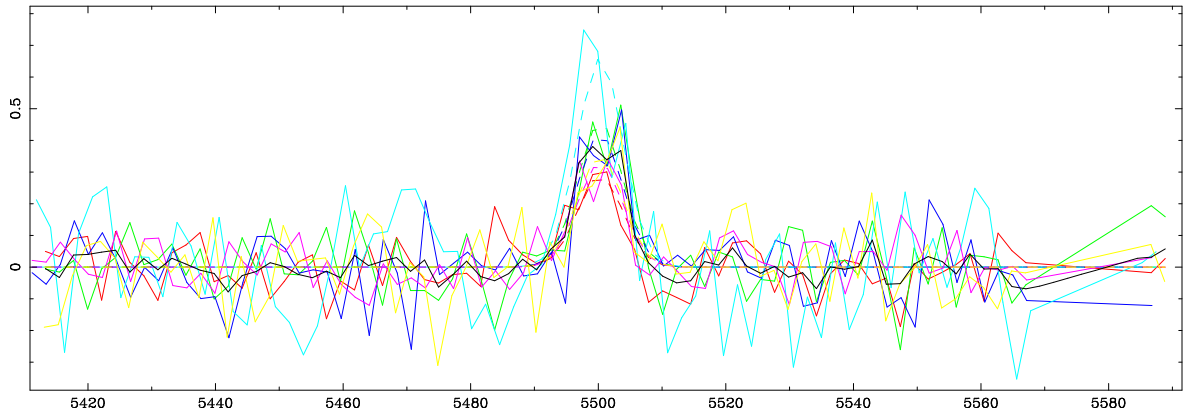
λ_{obs} = 5640.17Å

EW_{obs} > 60.18Å

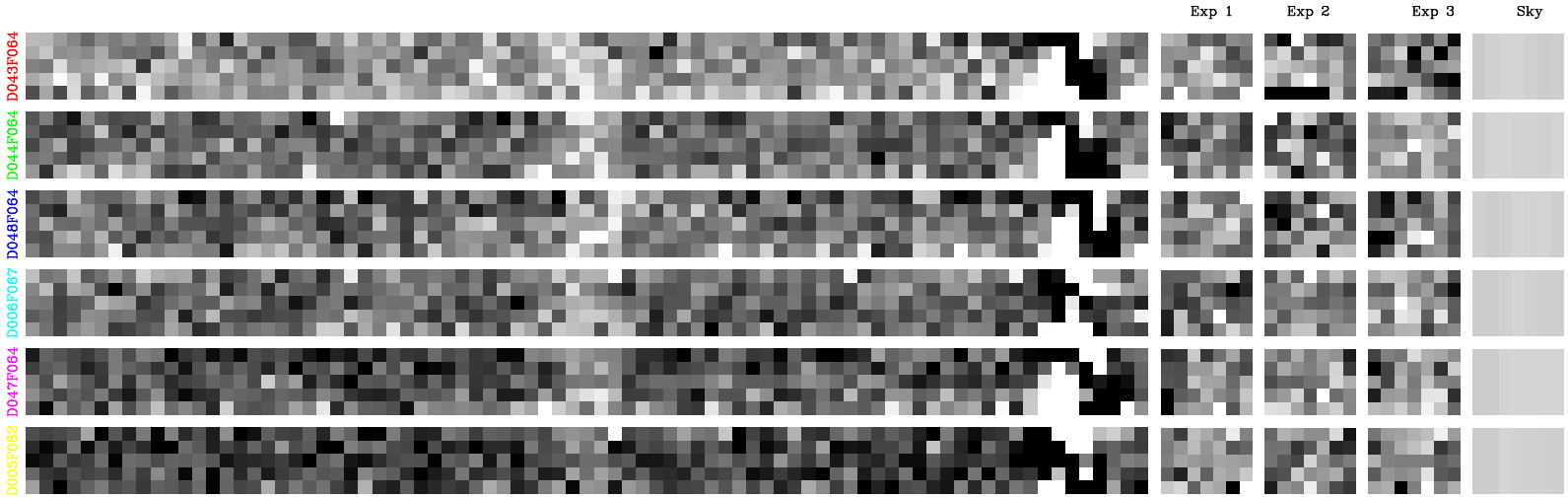
α_{2000} = 189.2304°

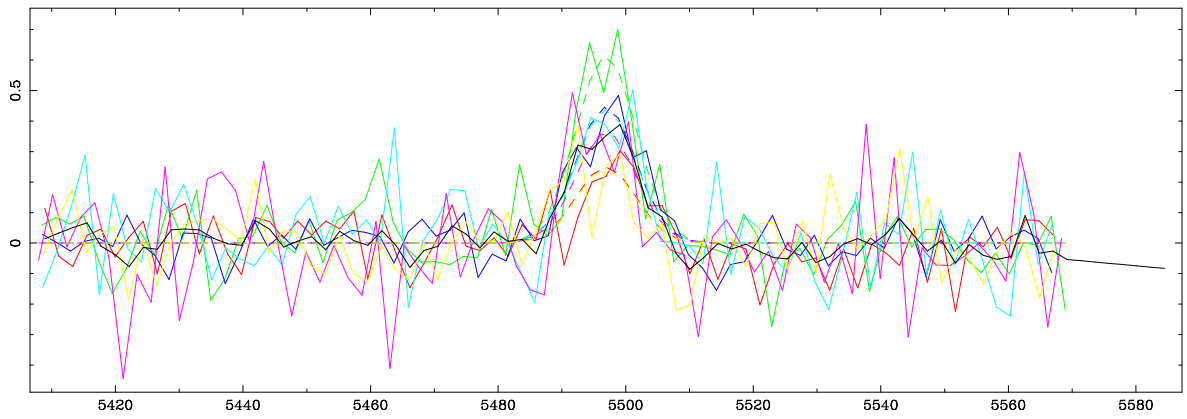
δ_{2000} = 62.2204°



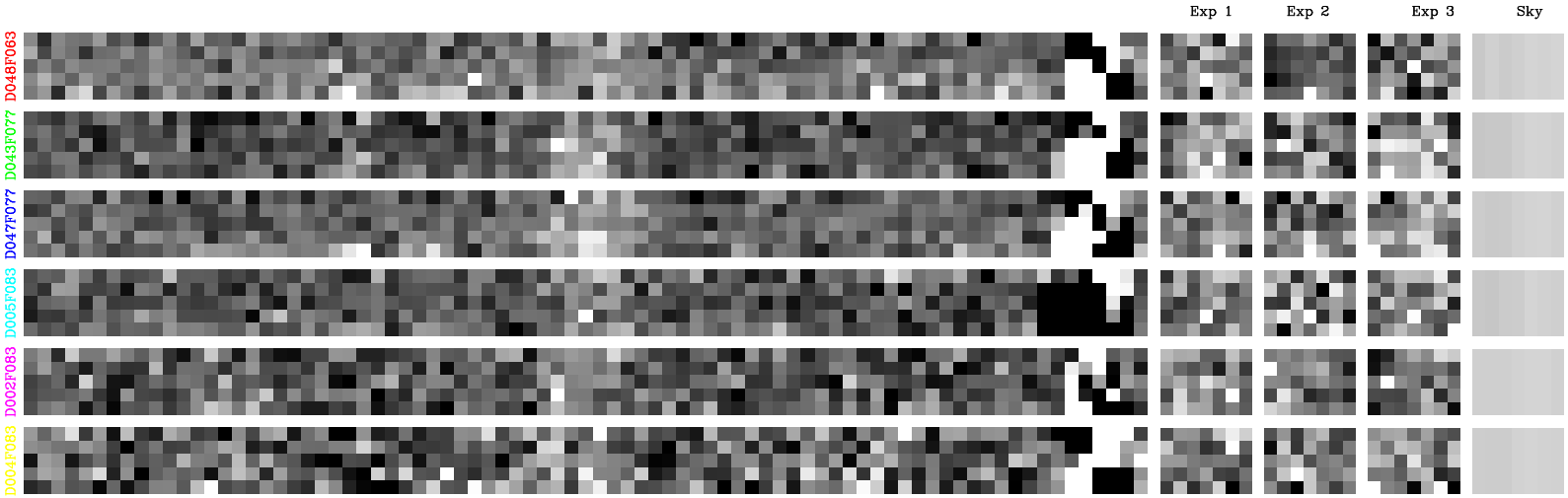


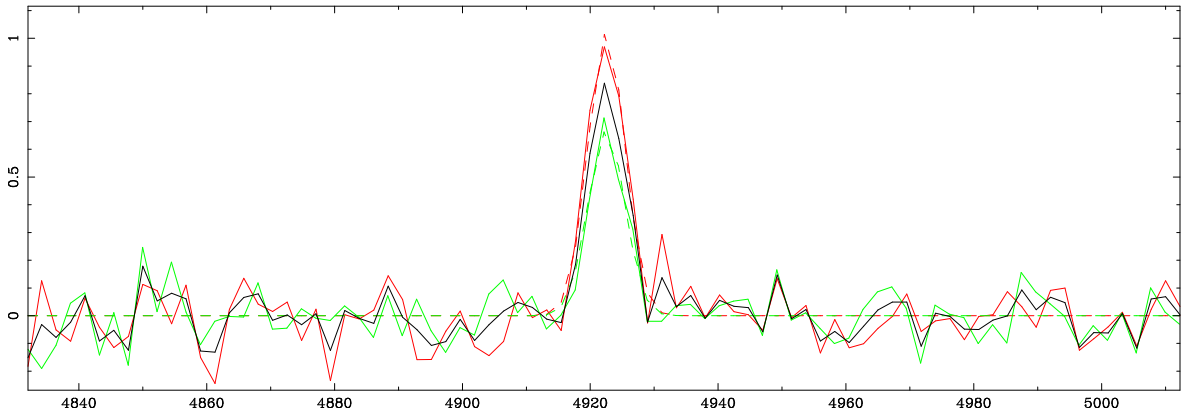
S/N = 14.64
$FWHM_{obs}$ = 8.43Å
λ_{obs} = 5500.30Å
EW_{obs} = 148.28Å
α_{2000} = 189.2062°
δ_{2000} = 62.2205°





S/N = 15.79
$FWHM_{obs}$ = 11.04Å
λ_{obs} = 5496.92Å
EW_{obs} = 59.22Å
α_{2000} = 189.2007°
δ_{2000} = 62.2195°





S/N = 15.19

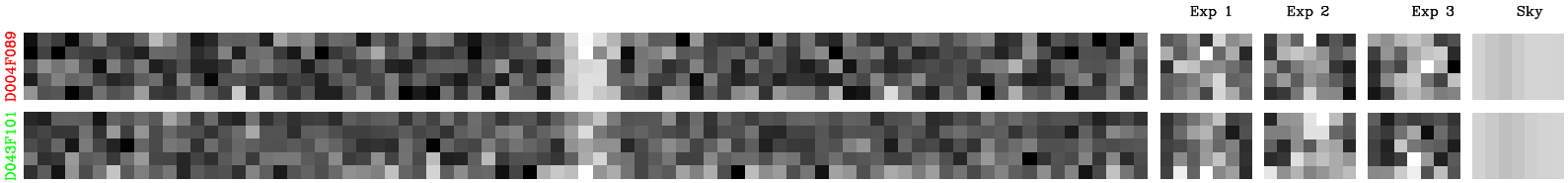
$FWHM_{obs}$ = 6.75Å

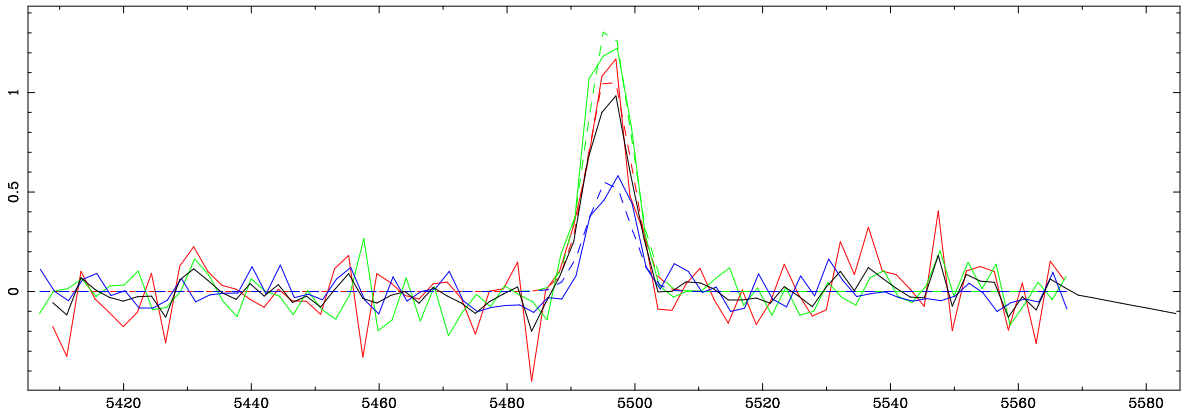
λ_{obs} = 4922.54Å

EW_{obs} = 71.59Å

α_{2000} = 189.2420°

δ_{2000} = 62.2171°





S/N = 21.39

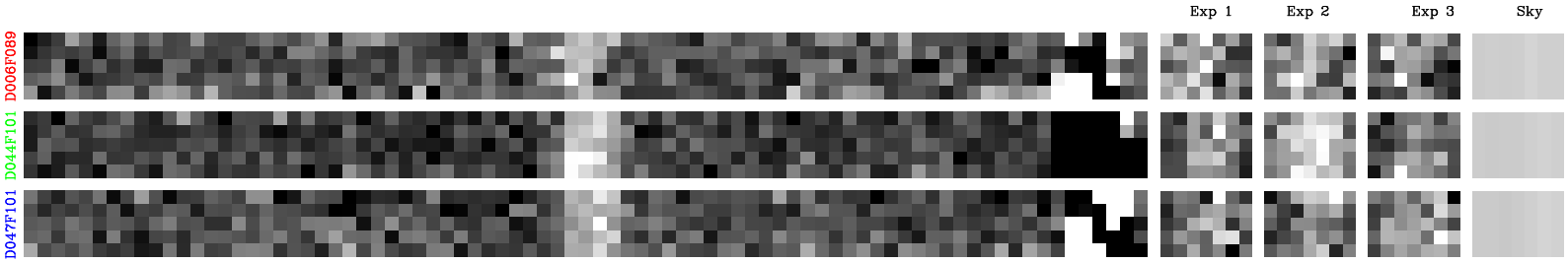
$FWHM_{obs}$ = 7.82Å

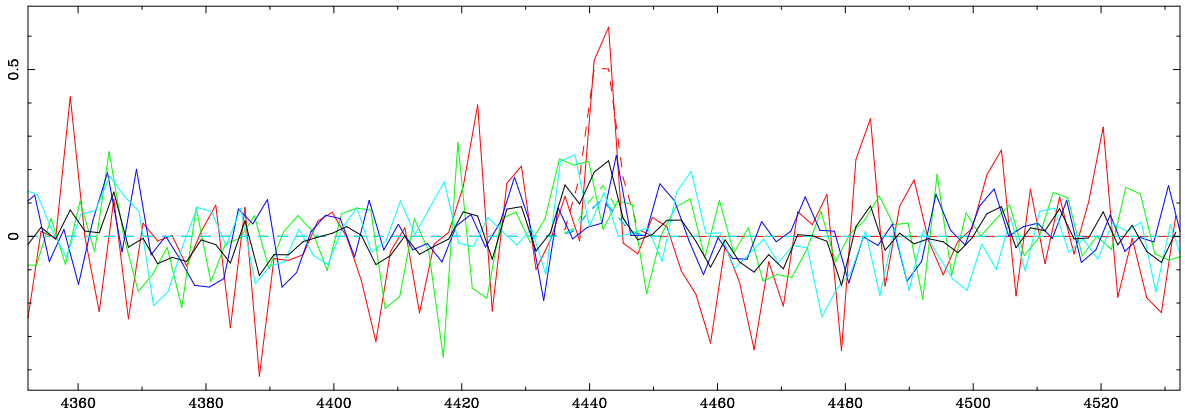
λ_{obs} = 5495.96Å

EW_{obs} = 104.59Å

α_{2000} = 189.2397°

δ_{2000} = 62.2167°





S/N = 5.14

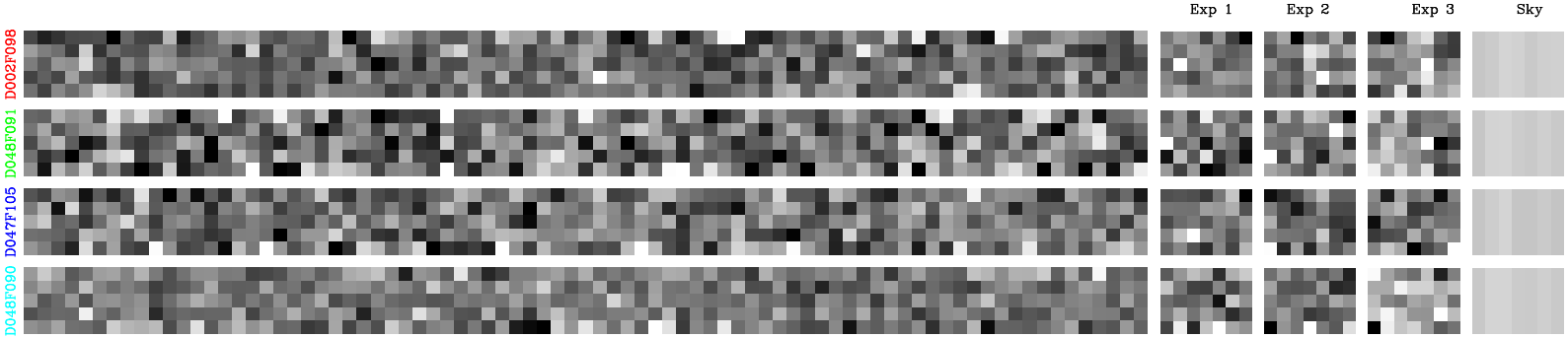
$FWHM_{obs}$ = 5.24Å

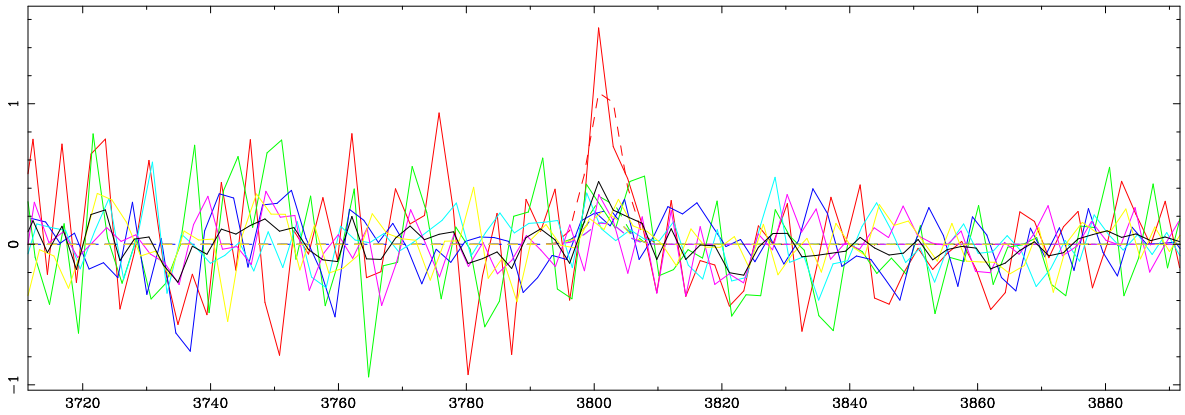
λ_{obs} = 4441.84Å

EW_{obs} > 50.48Å

α_{2000} = 189.1965°

δ_{2000} = 62.2170°





$S/N = 5.09$

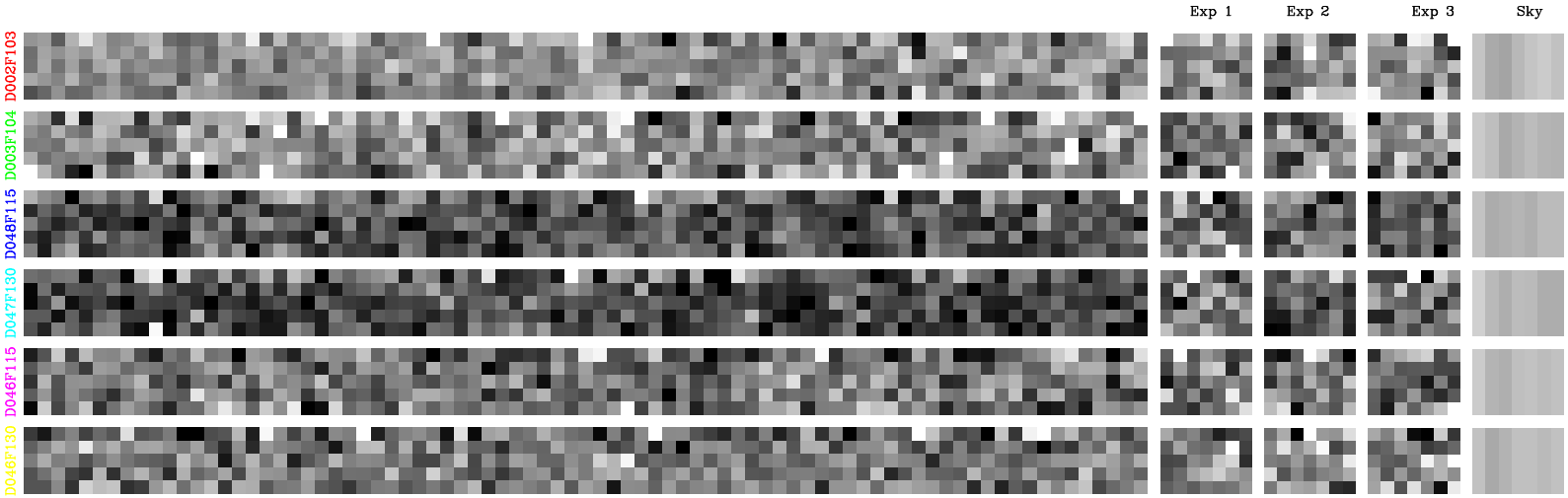
$FWHM_{obs} = 5.81$Å

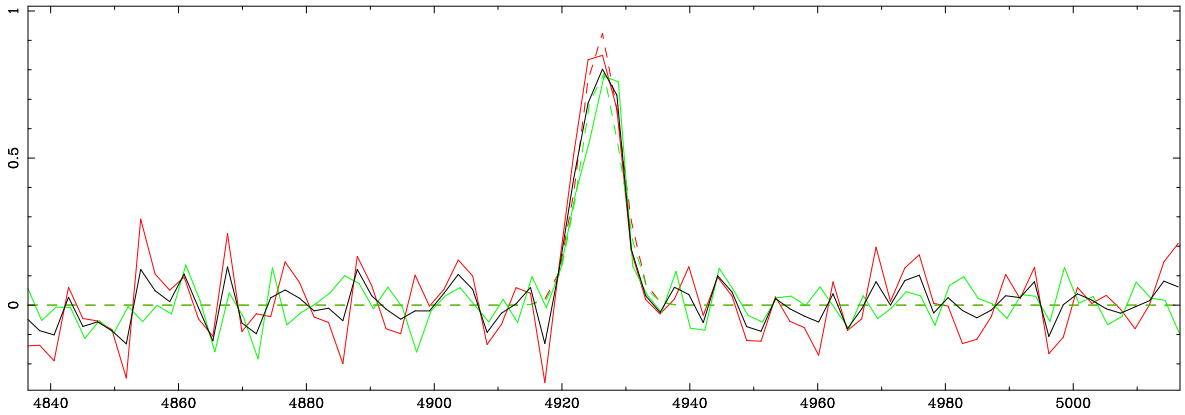
$\lambda_{obs} = 3801.67$Å

$EW_{obs} > 46.75$Å

$\alpha_{2000} = 189.2406°$

$\delta_{2000} = 62.2146°$





S/N = 18.21

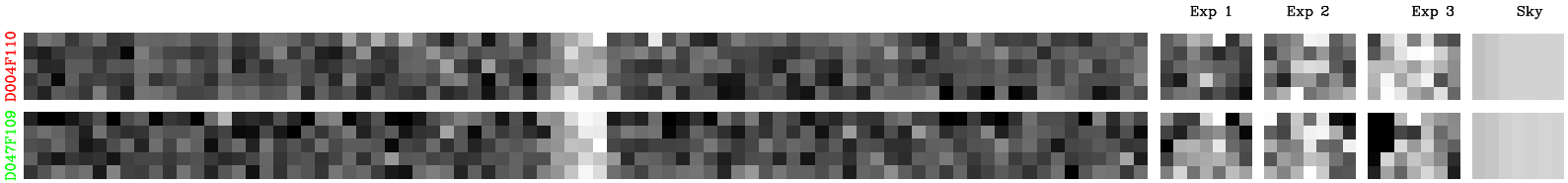
$FWHM_{obs}$ = 7.39Å

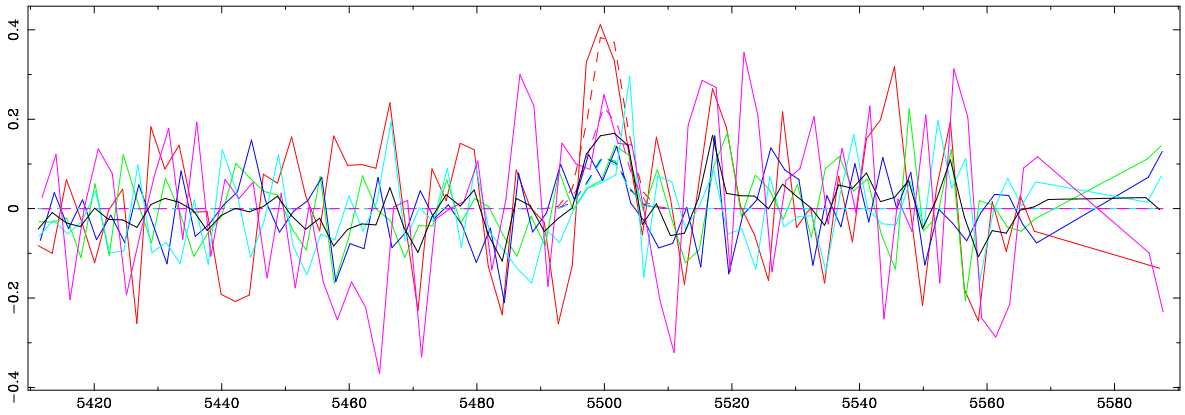
λ_{obs} = 4926.02Å

EW_{obs} = 97.46Å

α_{2000} = 189.2121°

δ_{2000} = 62.2156°





$S/N = 5.75$

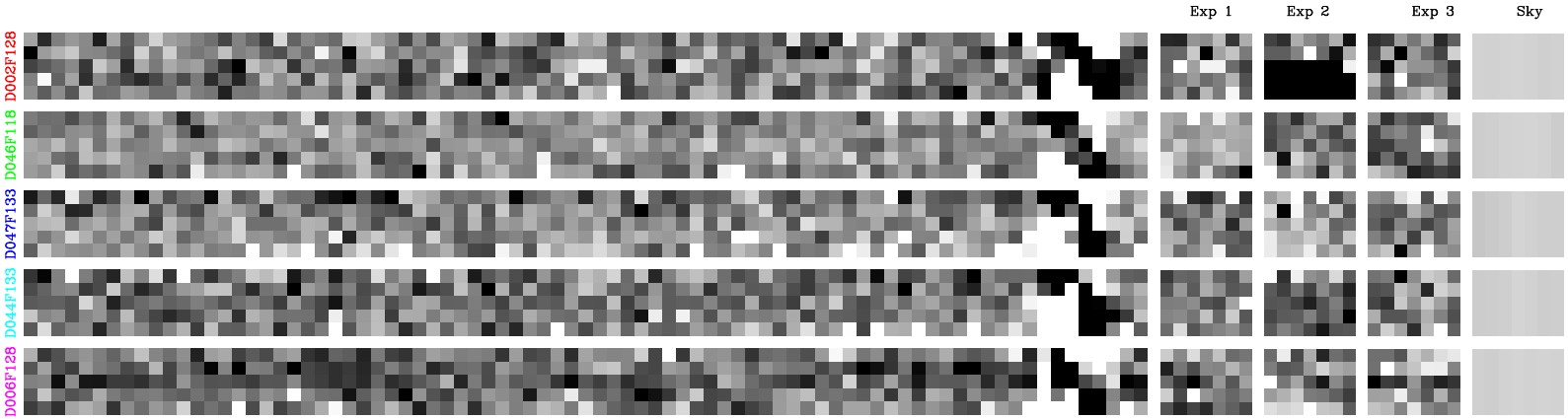
$FWHM_{obs} = 6.06$Å

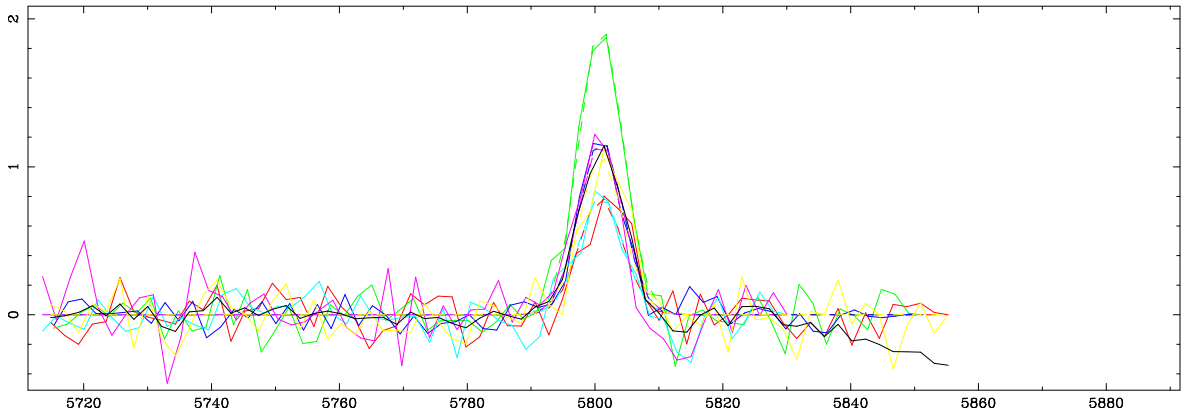
$\lambda_{obs} = 5500.39$Å

$EW_{obs} > 56.81$Å

$\alpha_{2000} = 189.1920°$

$\delta_{2000} = 62.2132°$





S/N = 31.87

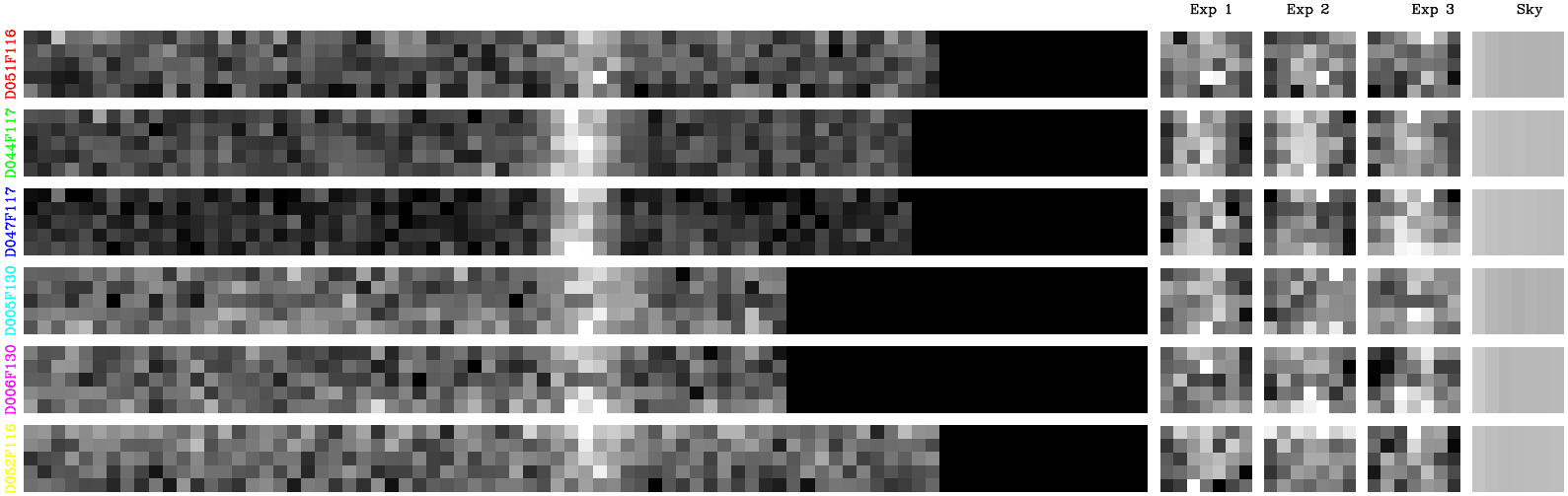
$FWHM_{obs}$ = 8.04Å

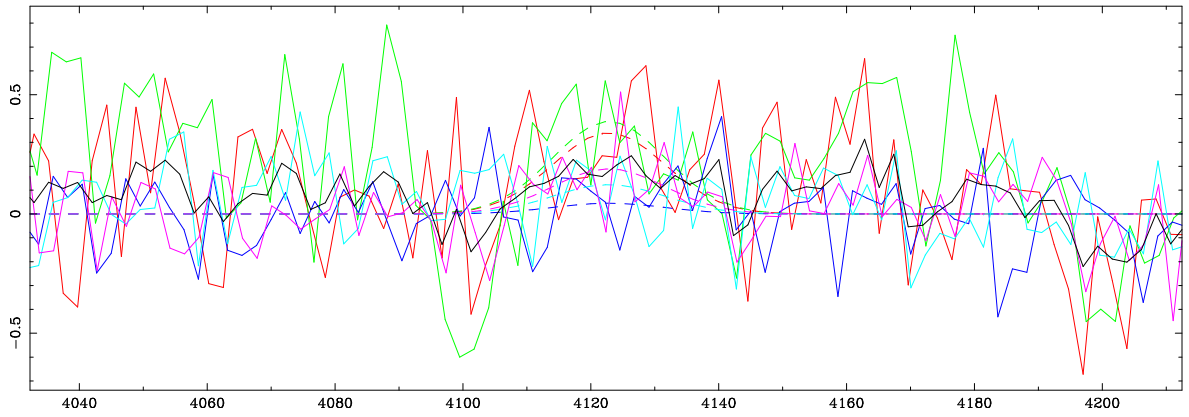
λ_{obs} = 5800.94Å

EW_{obs} = 66.00Å

α_{2000} = 189.1836°

δ_{2000} = 62.2138°





S/N = 7.06

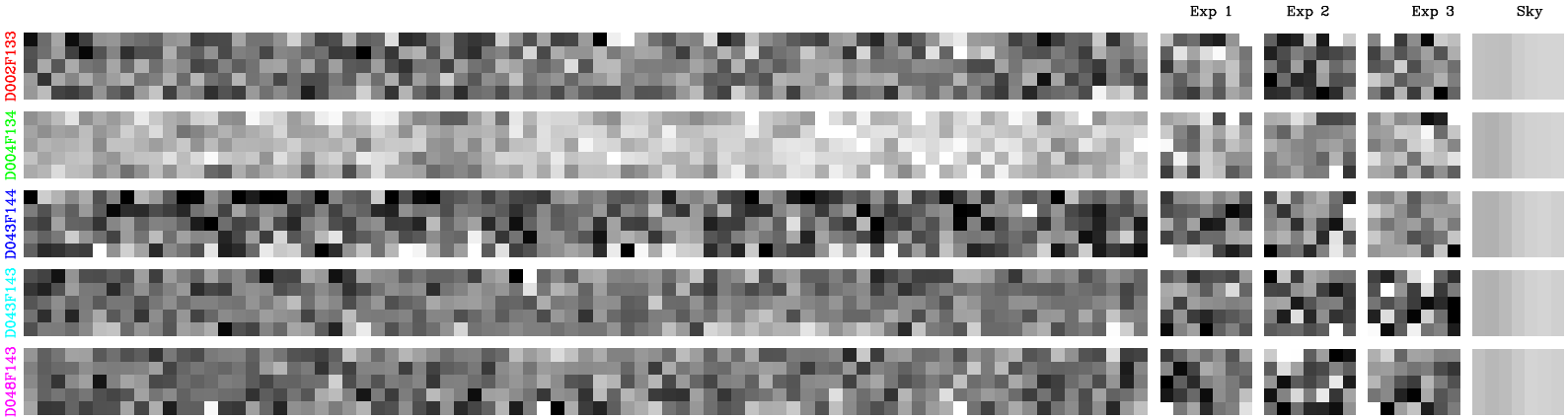
$FWHM_{obs}$ = 20.73Å

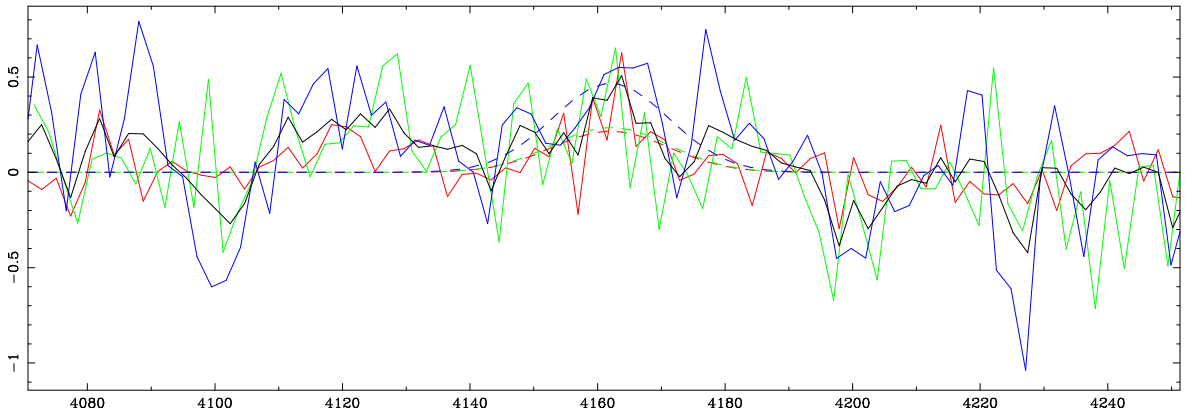
λ_{obs} = 4122.81Å

EW_{obs} = 4.92Å

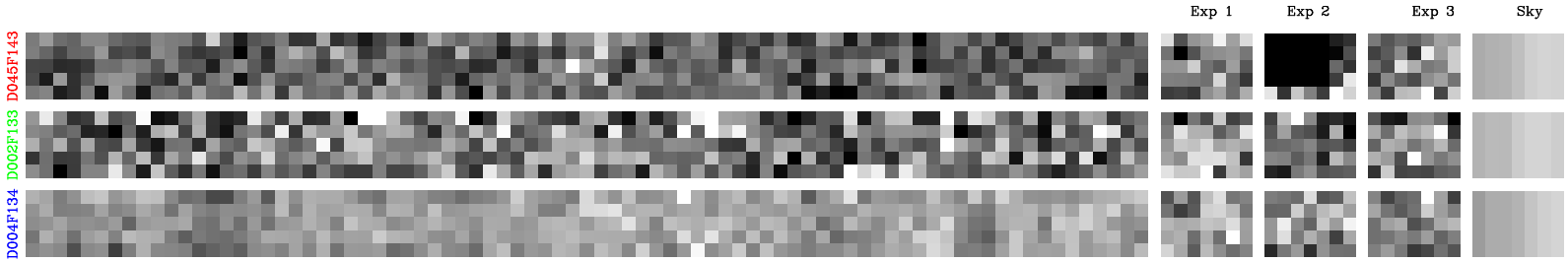
α_{2000} = 189.2355°

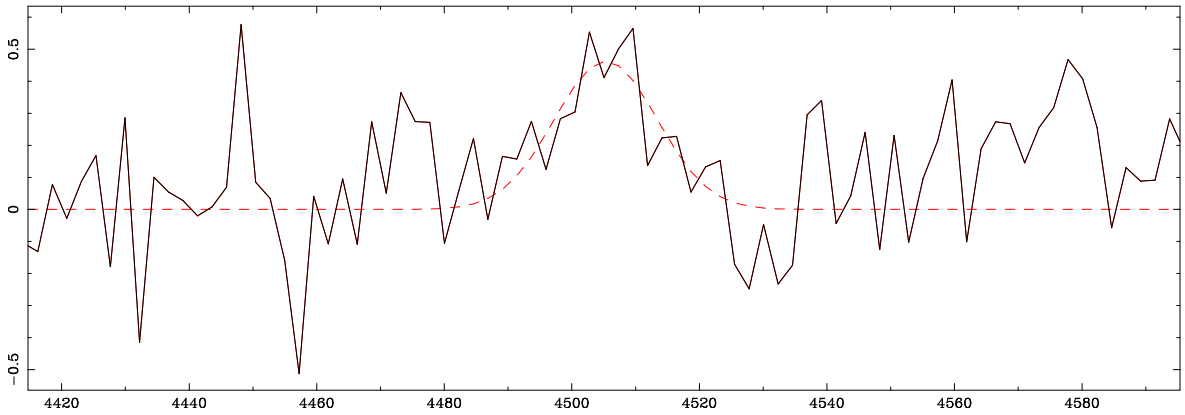
δ_{2000} = 62.2113°



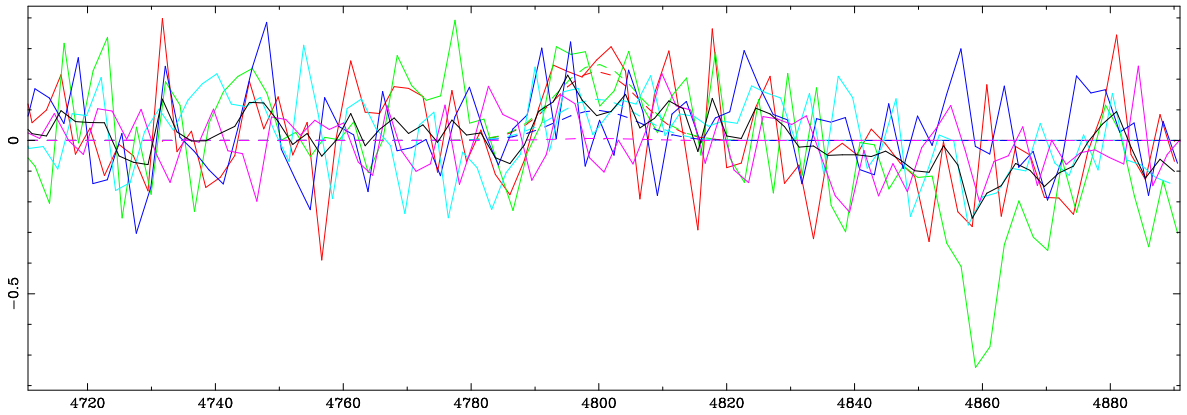


S/N = 6.98
$FWHM_{obs}$ = 21.51Å
λ_{obs} = 4162.04Å
EW_{obs} = 5.17Å
α_{2000} = 189.2355°
δ_{2000} = 62.2112°





S/N = 7.25
$FWHM_{obs}$ = 19.08Å
λ_{obs} = 4505.33Å
EW_{obs} = 2.87Å
α_{2000} = 189.2352°
δ_{2000} = 62.2113°



S/N = 6.01

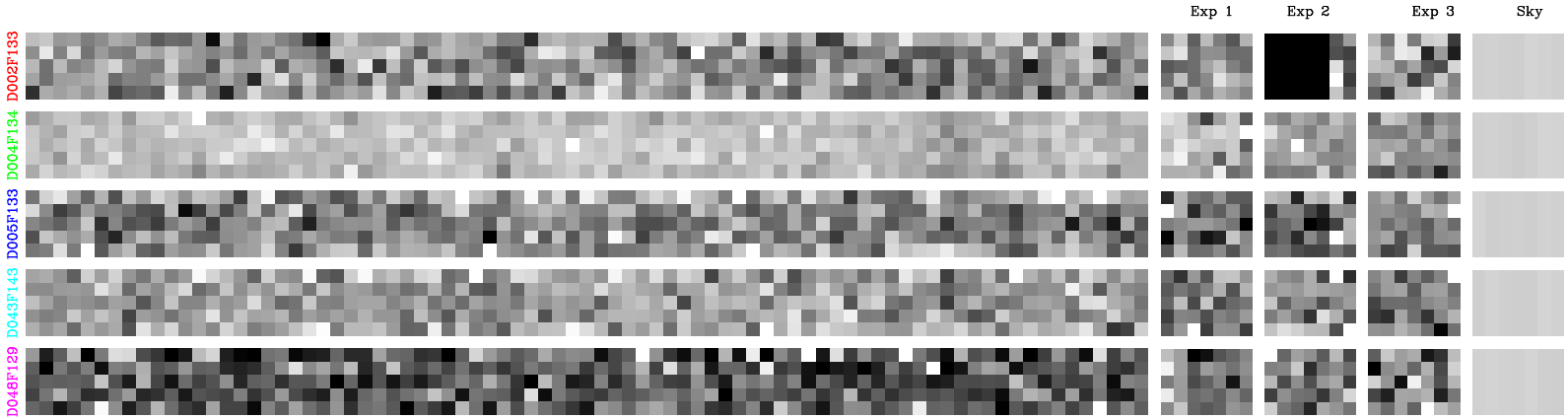
$FWHM_{obs}$ = 15.19Å

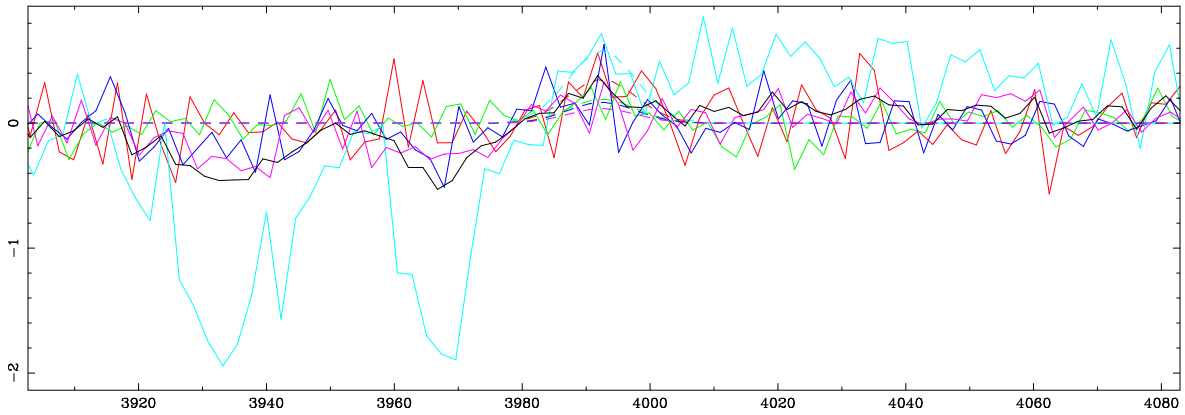
λ_{obs} = 4799.71Å

EW_{obs} = 2.32Å

α_{2000} = 189.2360°

δ_{2000} = 62.2115°





$S/N = 6.80$

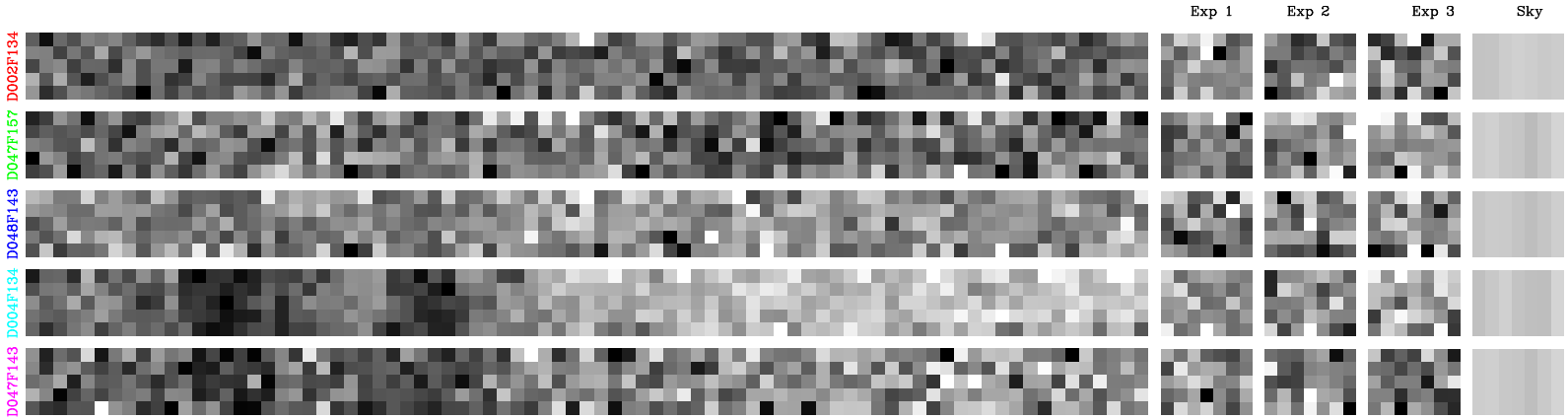
$FWHM_{obs} = 12.55Å$

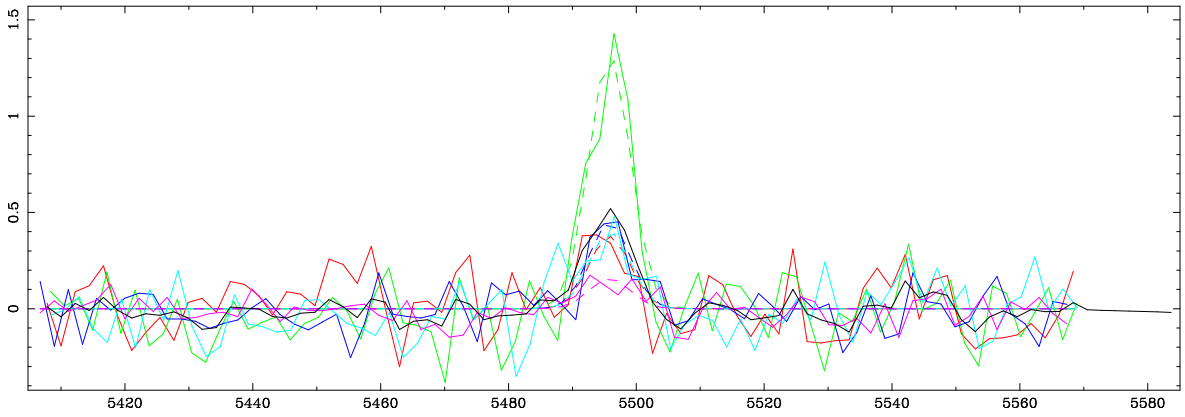
$\lambda_{obs} = 3992.48Å$

$EW_{obs} = 6.26Å$

$\alpha_{2000} = 189.2335°$

$\delta_{2000} = 62.2112°$





$S/N = 15.08$

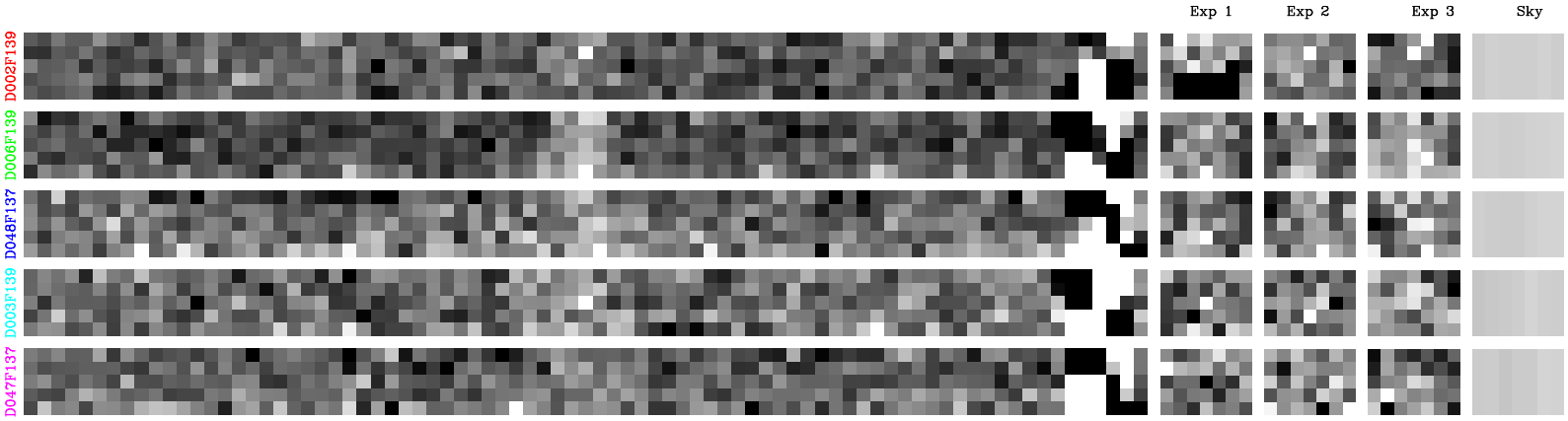
$FWHM_{obs} = 7.60Å$

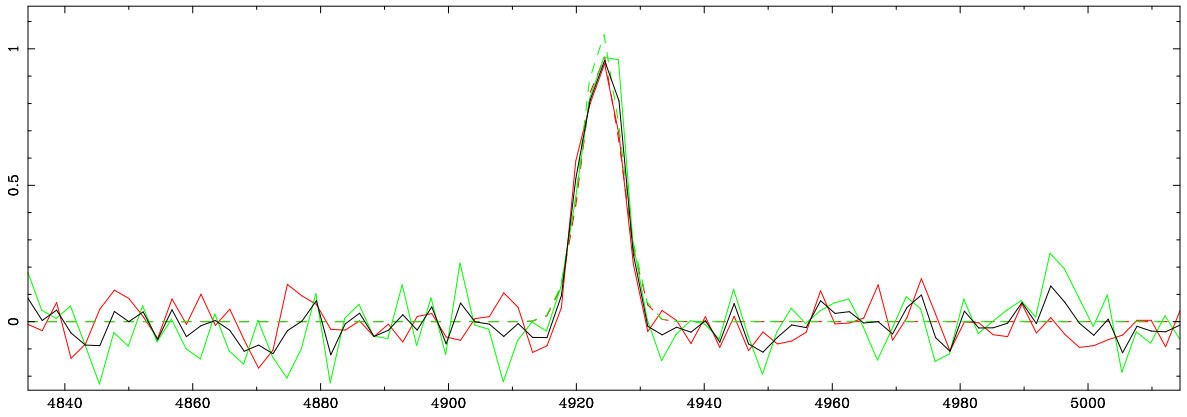
$\lambda_{obs} = 5495.82Å$

$EW_{obs} = 54.13Å$

$\alpha_{2000} = 189.2093°$

$\delta_{2000} = 62.2113°$





S/N = 20.20

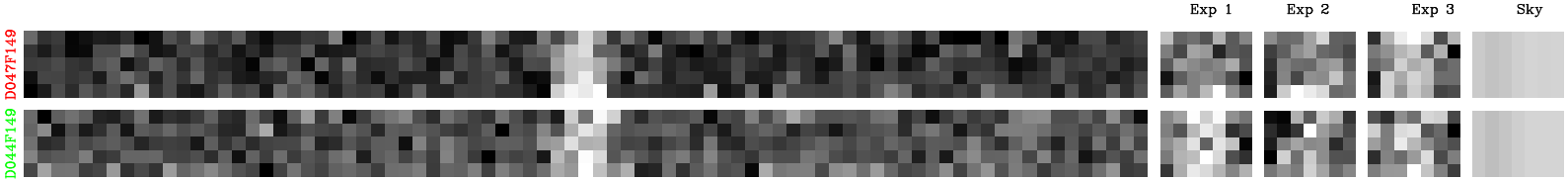
$FWHM_{obs}$ = 7.27Å

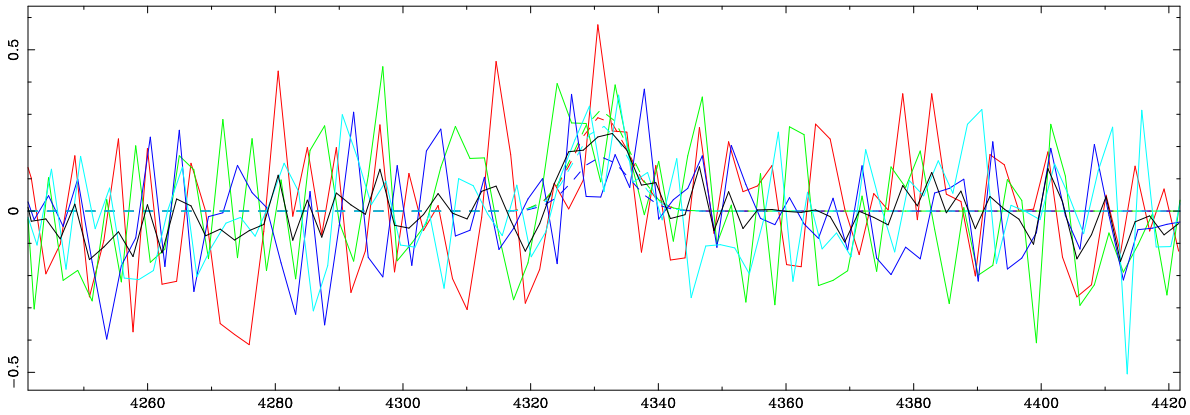
λ_{obs} = 4923.89Å

EW_{obs} = 54.36Å

α_{2000} = 189.1966°

δ_{2000} = 62.2102°





$S/N = 5.67$

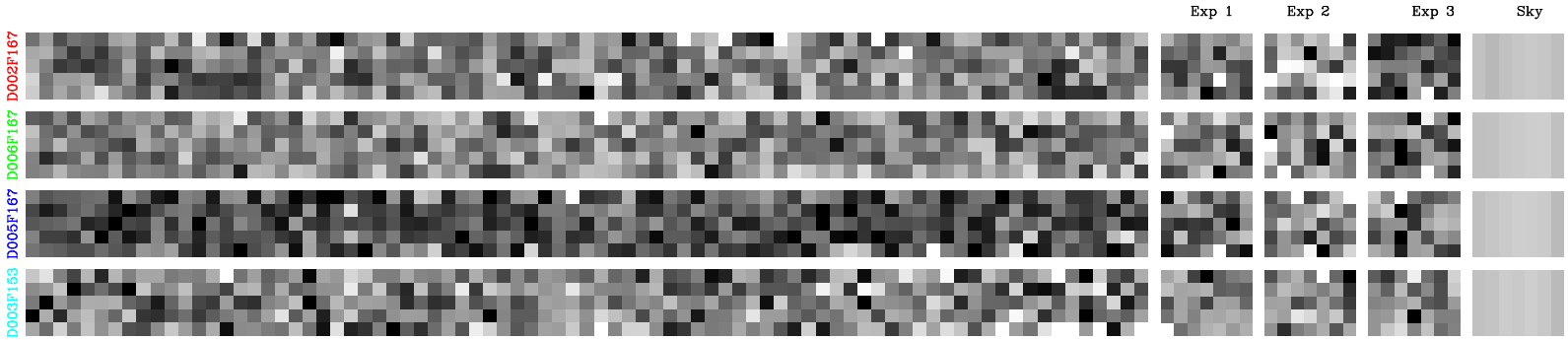
$FWHM_{obs} = 9.98Å$

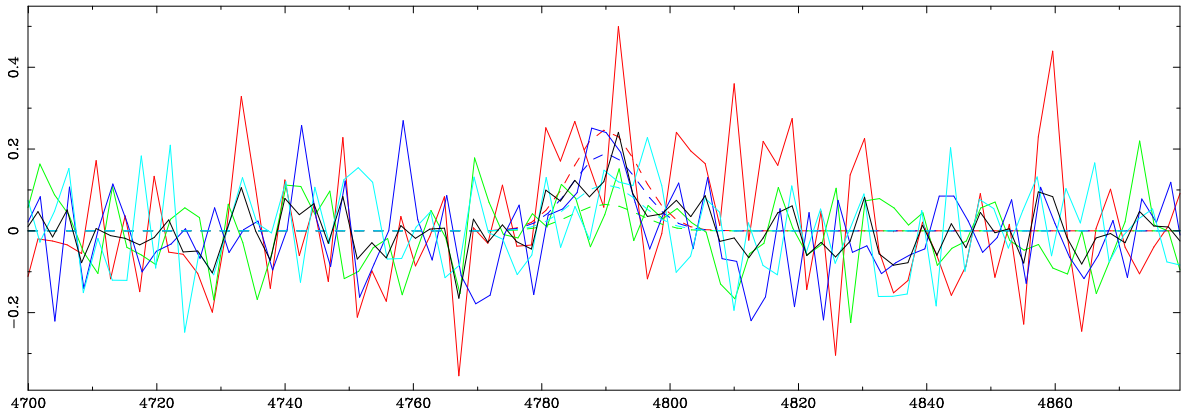
$\lambda_{obs} = 4331.16Å$

$EW_{obs} > 64.84Å$

$\alpha_{2000} = 189.2139°$

$\delta_{2000} = 62.2082°$





$S/N = 5.25$

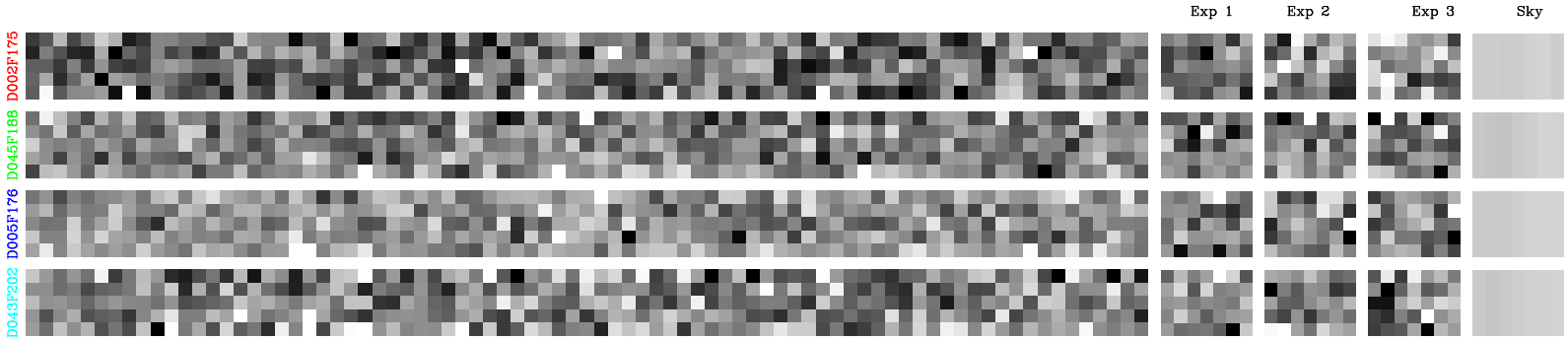
$FWHM_{obs} = 12.31Å$

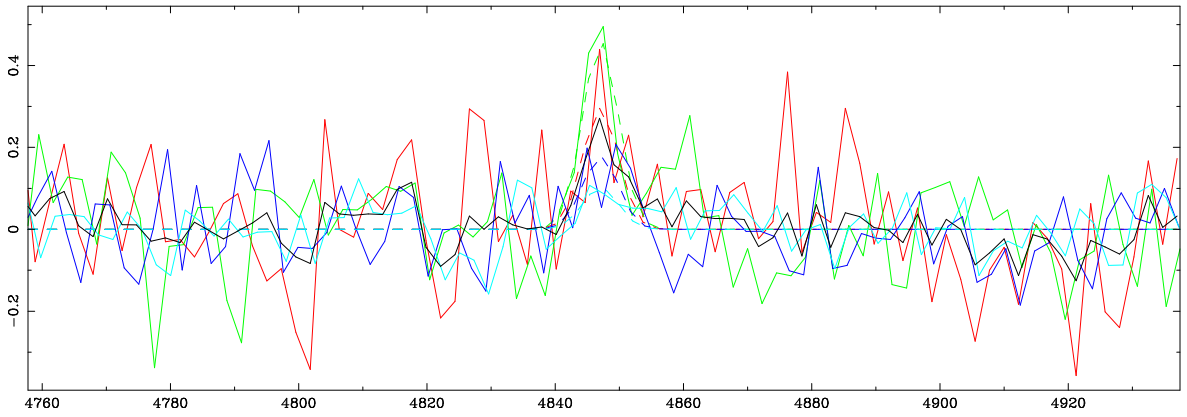
$\lambda_{obs} = 4789.99Å$

$EW_{obs} > 69.85Å$

$\alpha_{2000} = 189.2413°$

$\delta_{2000} = 62.2057°$





S/N = 6.45

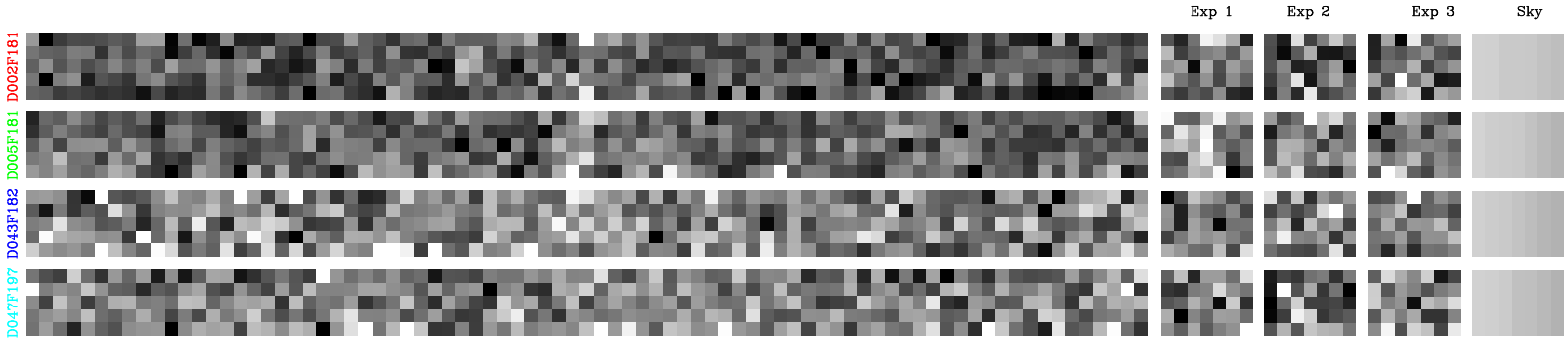
$FWHM_{obs}$ = 6.55Å

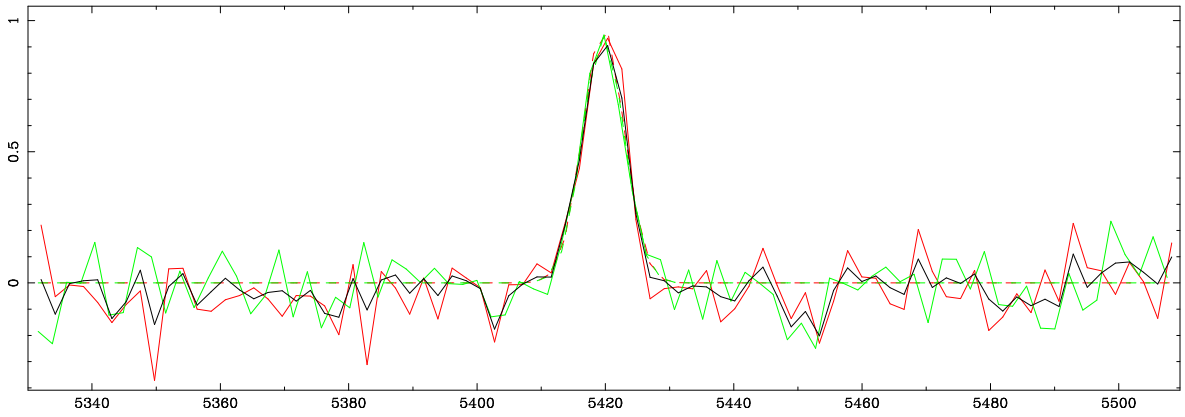
λ_{obs} = 4847.06Å

EW_{obs} > 68.96Å

α_{2000} = 189.2161°

δ_{2000} = 62.2062°





S/N = 17.09

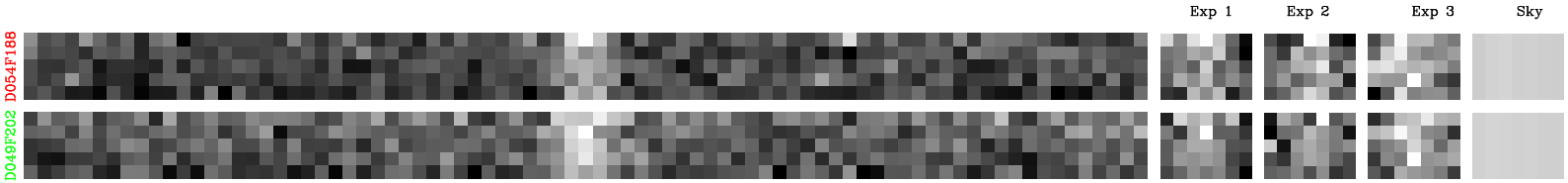
$FWHM_{obs}$ = 7.53Å

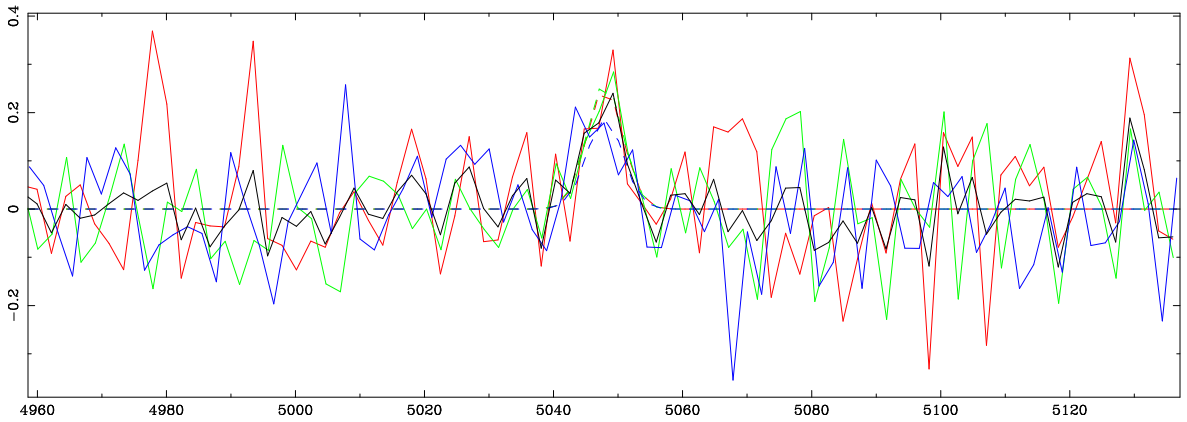
λ_{obs} = 5419.69Å

EW_{obs} = 34.67Å

α_{2000} = 189.1780°

δ_{2000} = 62.2046°





S/N = 5.14

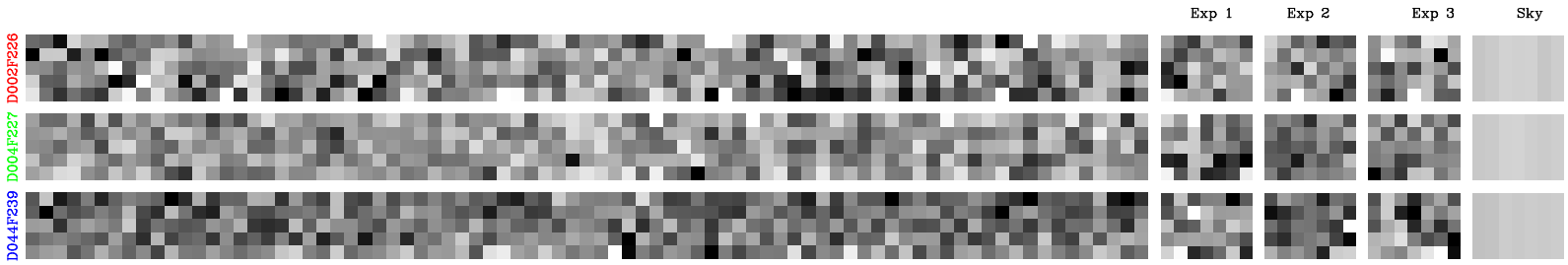
$FWHM_{obs}$ = 6.57Å

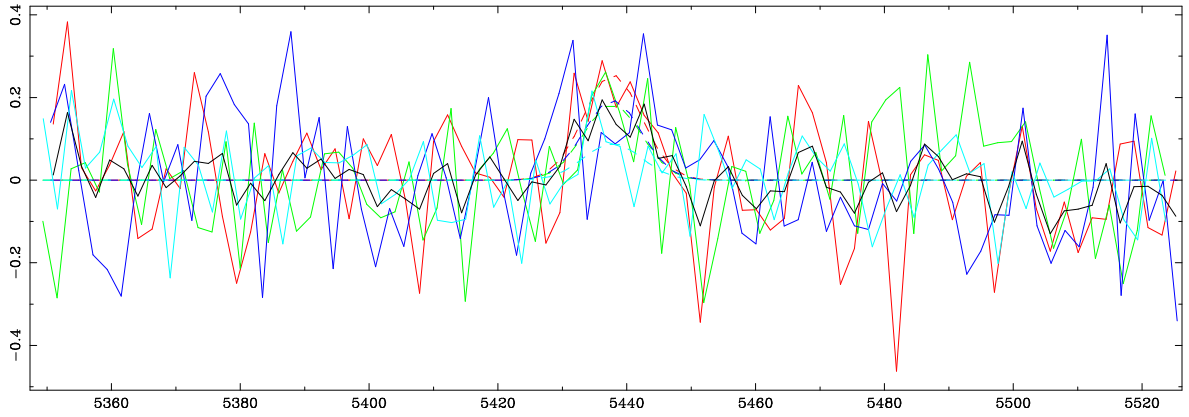
λ_{obs} = 5047.95Å

EW_{obs} > 52.99Å

α_{2000} = 189.2080°

δ_{2000} = 62.2001°





S/N = 5.03

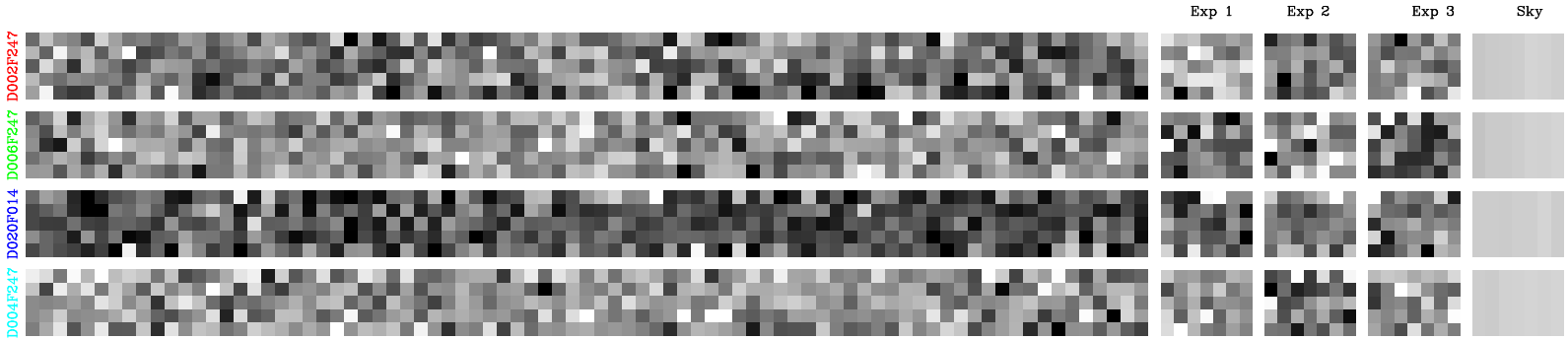
$FWHM_{obs}$ = 10.58Å

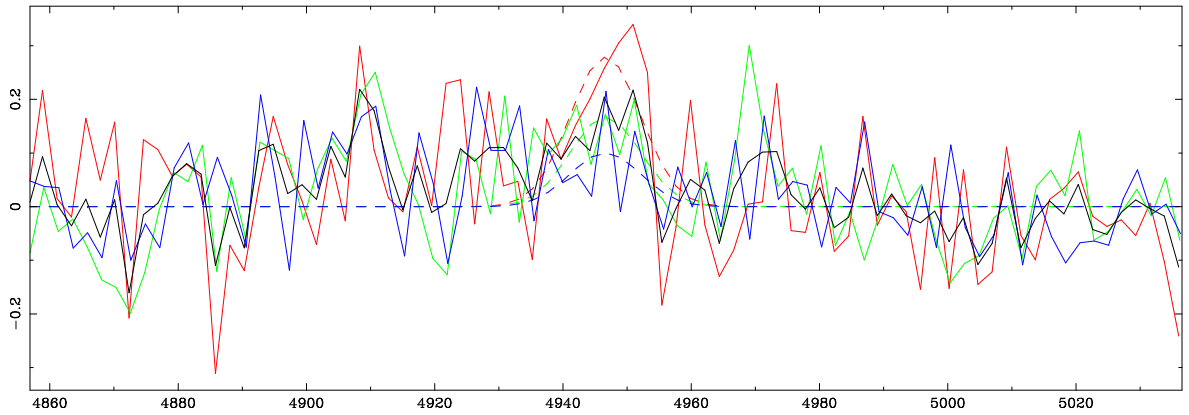
λ_{obs} = 5437.78Å

EW_{obs} > 61.46Å

α_{2000} = 189.1789°

δ_{2000} = 62.1982°





S/N = 6.50

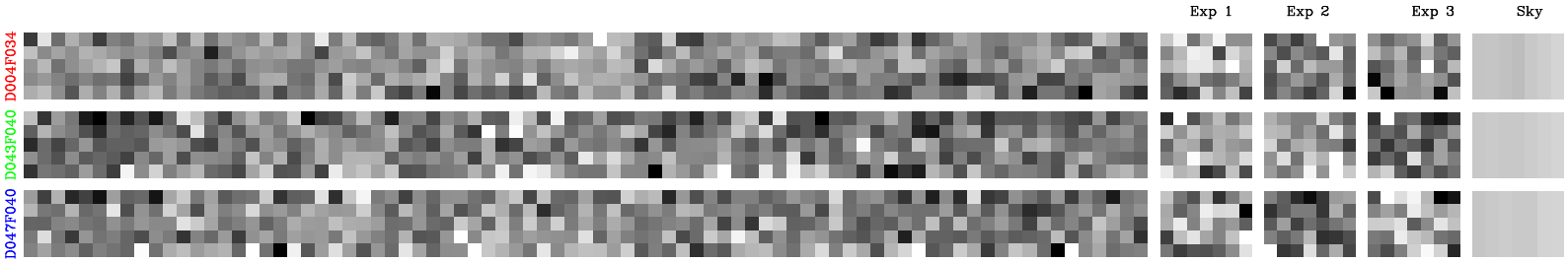
$FWHM_{obs}$ = 13.00Å

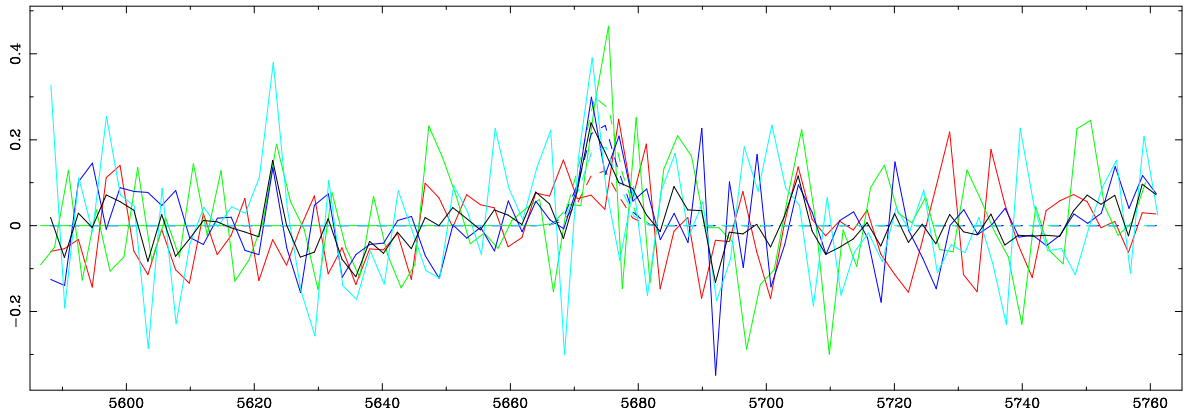
λ_{obs} = 4946.63Å

EW_{obs} = 3.99Å

α_{2000} = 189.2285°

δ_{2000} = 62.2246°





S/N = 5.38

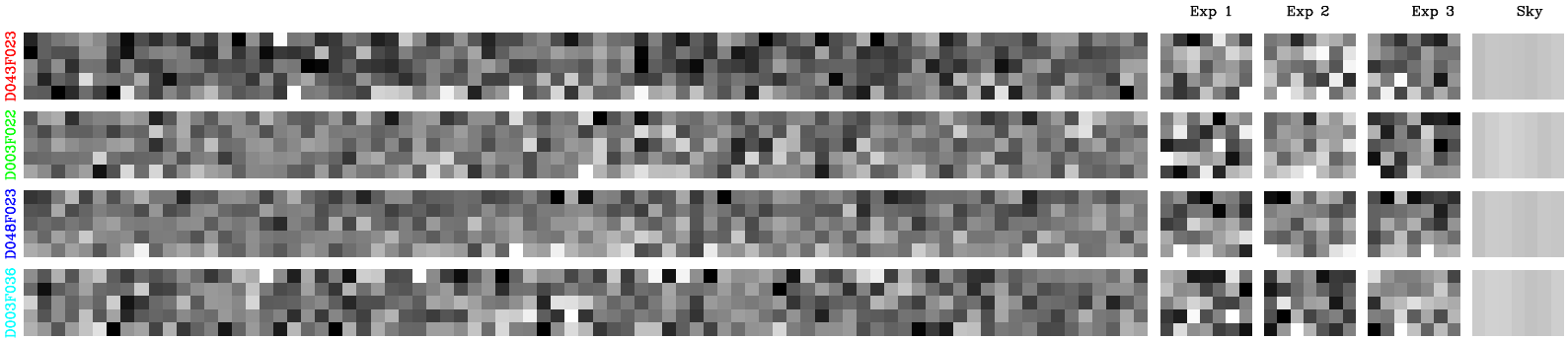
$FWHM_{obs}$ = 6.01Å

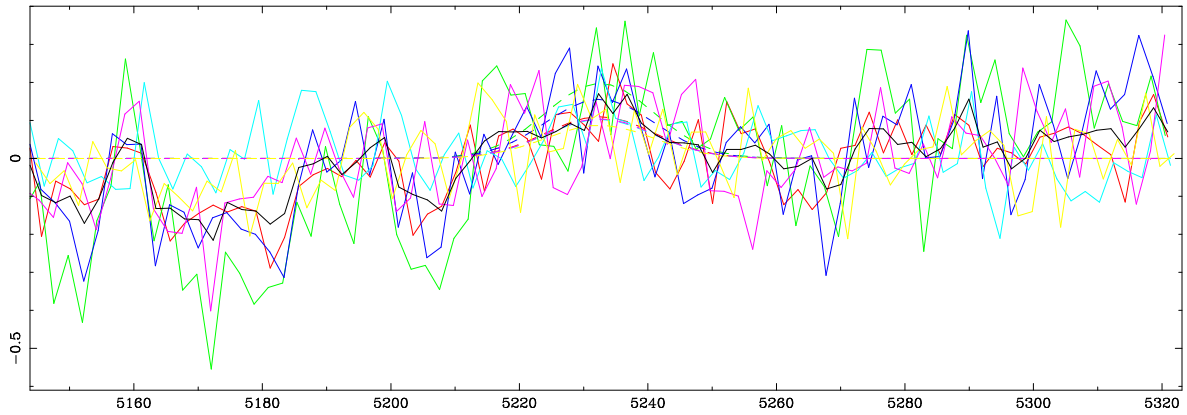
λ_{obs} = 5673.99Å

EW_{obs} > 49.45Å

α_{2000} = 189.2172°

δ_{2000} = 62.2254°





$S/N = 8.21$

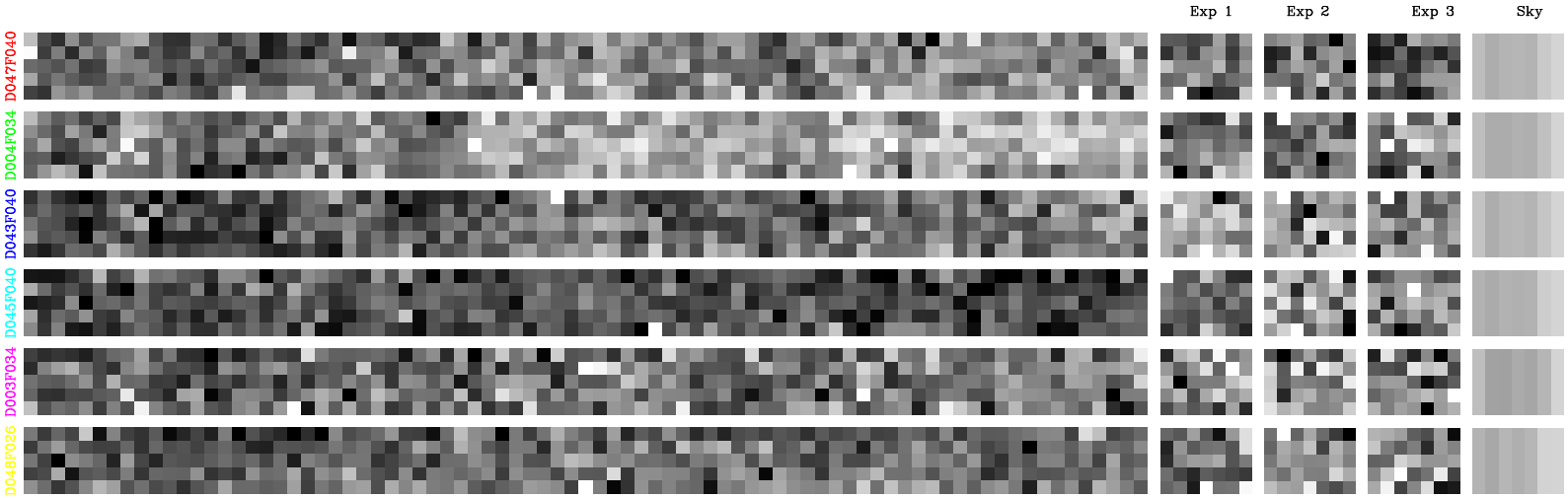
$FWHM_{obs} = 19.90Å$

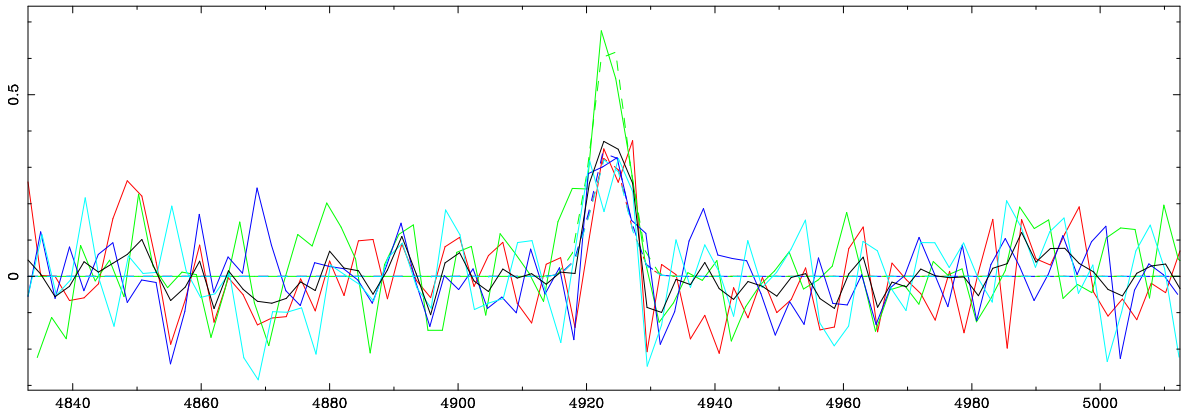
$\lambda_{obs} = 5232.52Å$

$EW_{obs} = 7.02Å$

$\alpha_{2000} = 189.2285°$

$\delta_{2000} = 62.2243°$





S/N = 10.59

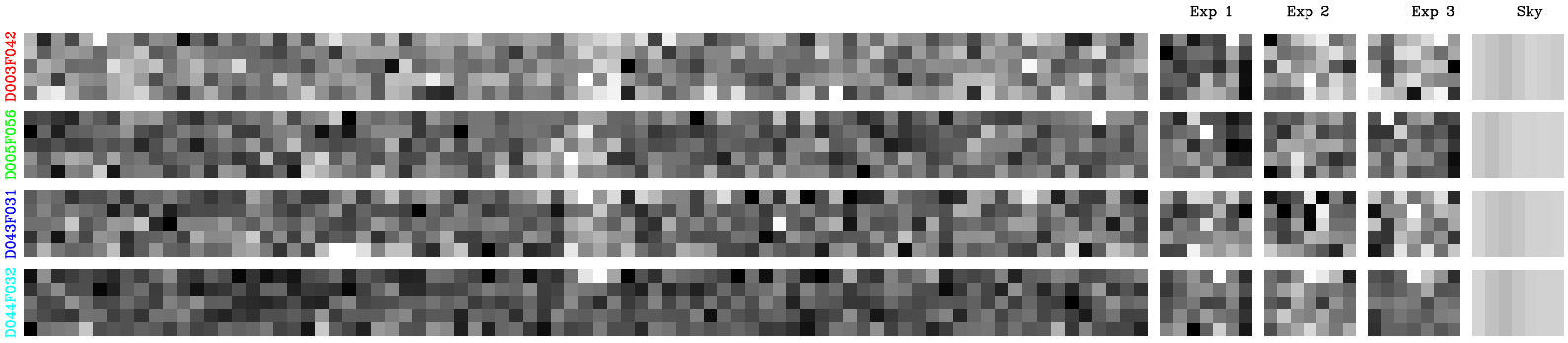
$FWHM_{obs}$ = 6.20Å

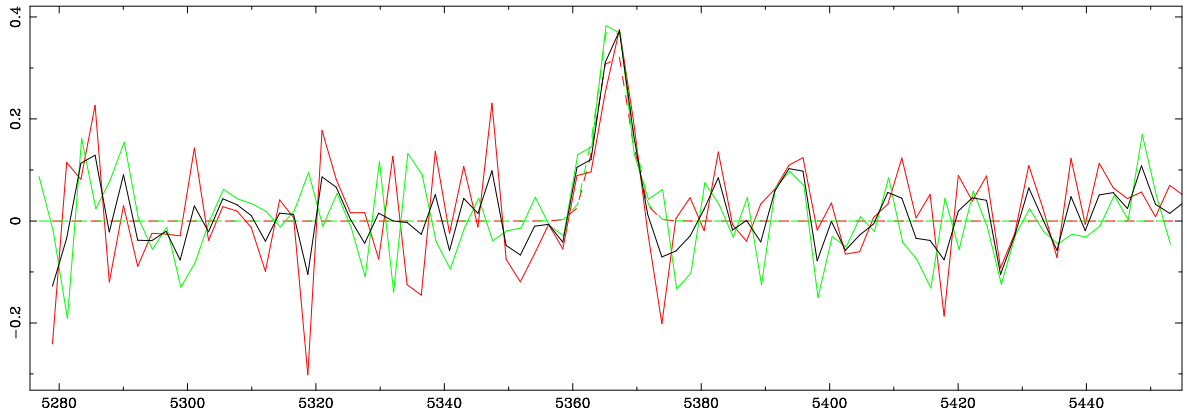
λ_{obs} = 4923.51Å

EW_{obs} = 22.91Å

α_{2000} = 189.1913°

δ_{2000} = 62.2242°





S/N = 6.96

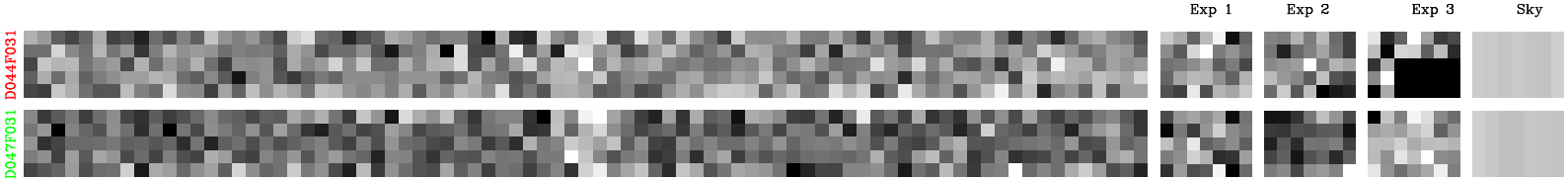
$FWHM_{obs}$ = 5.78Å

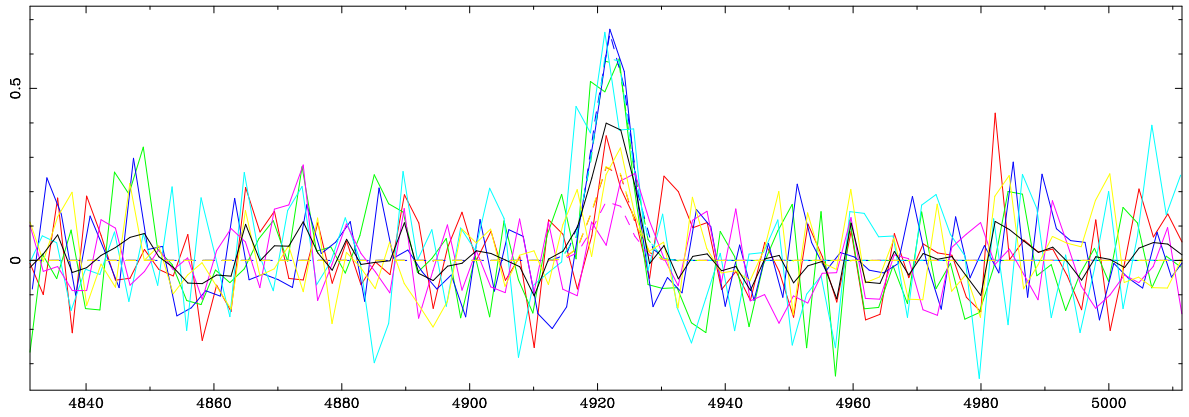
λ_{obs} = 5366.26Å

EW_{obs} = 36.98Å

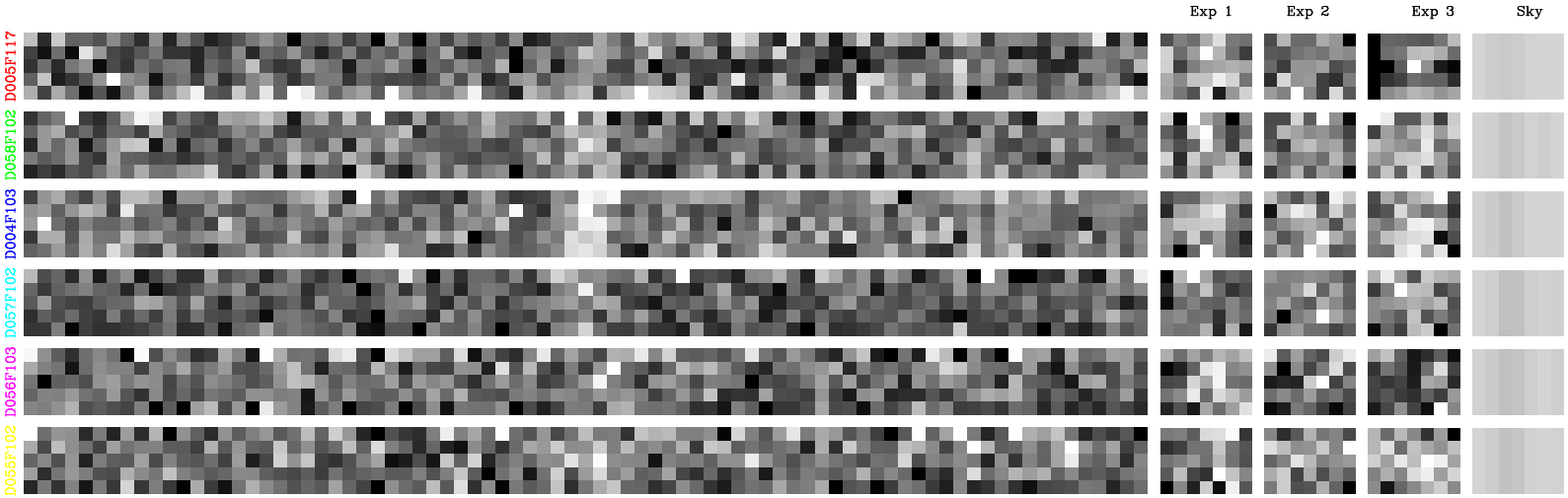
α_{2000} = 189.1884°

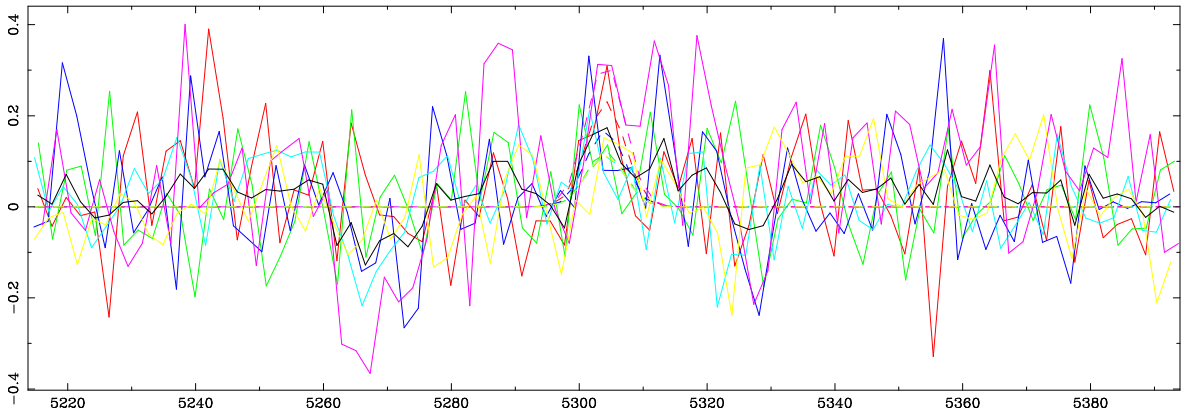
δ_{2000} = 62.2243°



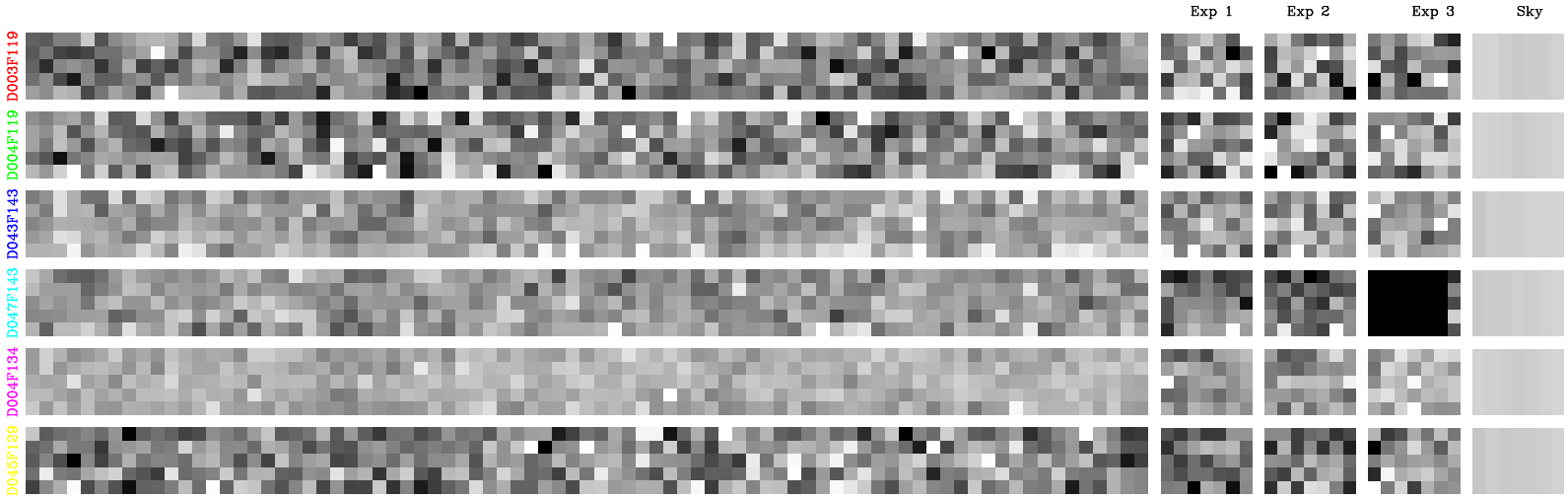


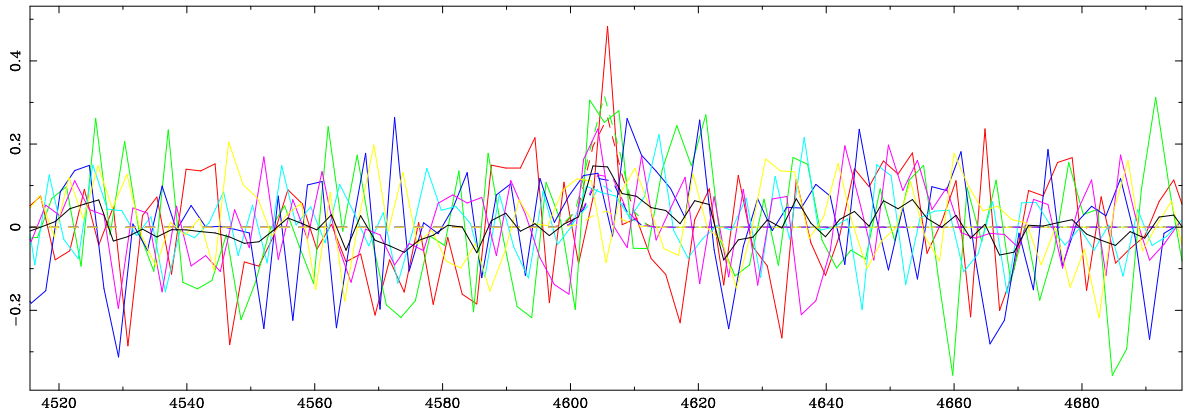
S/N = 11.81
$FWHM_{obs}$ = 6.21Å
λ_{obs} = 4922.23Å
EW_{obs} = 32.20Å
α_{2000} = 189.2445°
δ_{2000} = 62.2146°





S/N = 6.19
$FWHM_{obs}$ = 7.07Å
λ_{obs} = 5304.10Å
EW_{obs} = 1.56Å
α_{2000} = 189.2358°
δ_{2000} = 62.2121°





$S/N = 5.03$

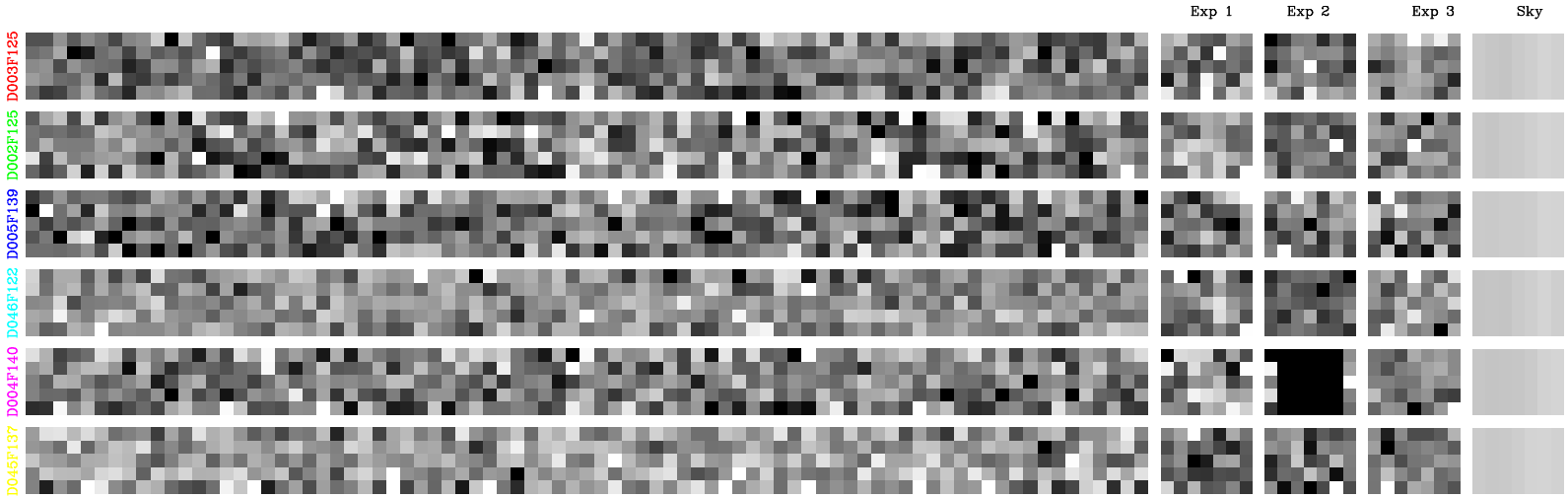
$FWHM_{obs} = 5.22$Å

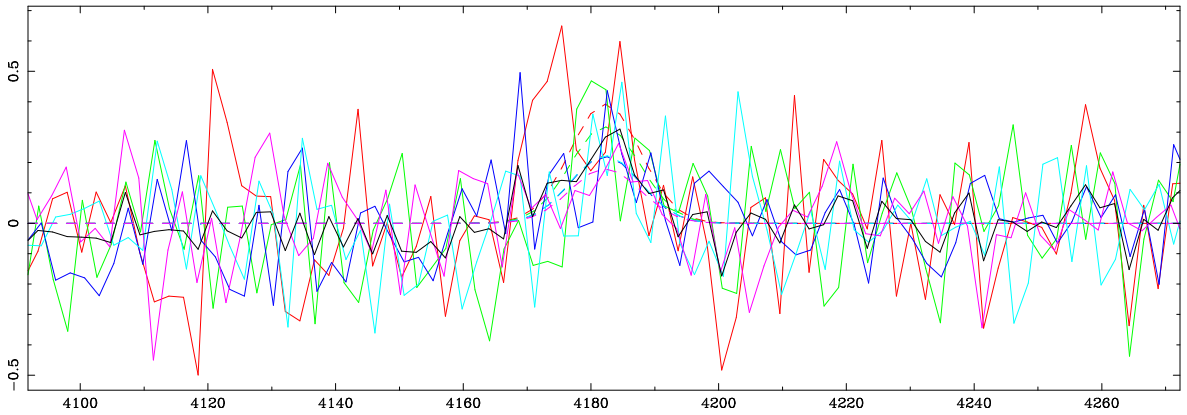
$\lambda_{obs} = 4605.32$Å

$EW_{obs} > 47.48$Å

$\alpha_{2000} = 189.2080°$

$\delta_{2000} = 62.2130°$





$S/N = 6.06$

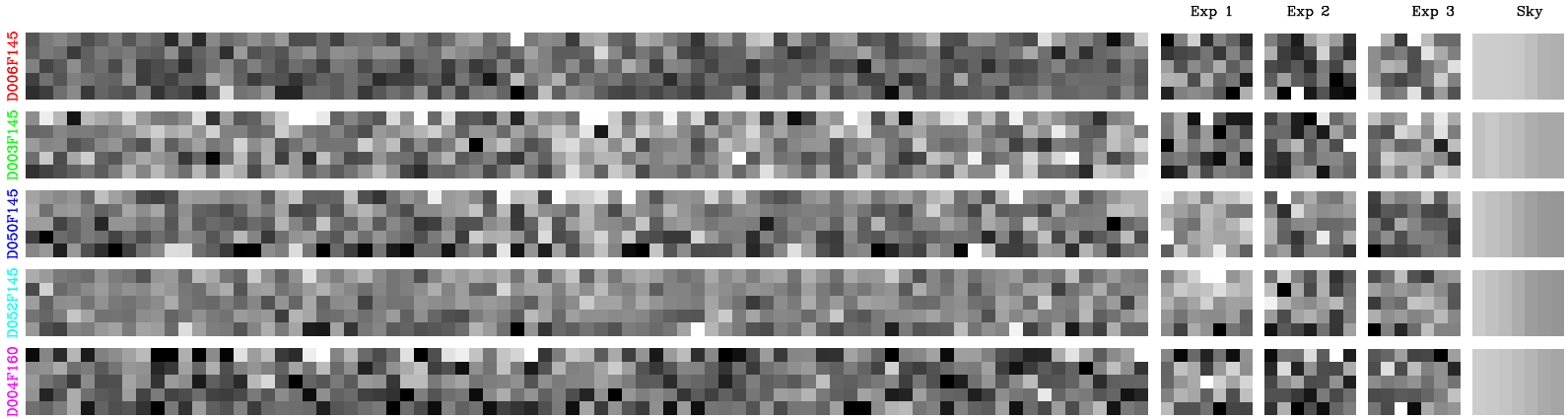
$FWHM_{obs} = 12.96Å$

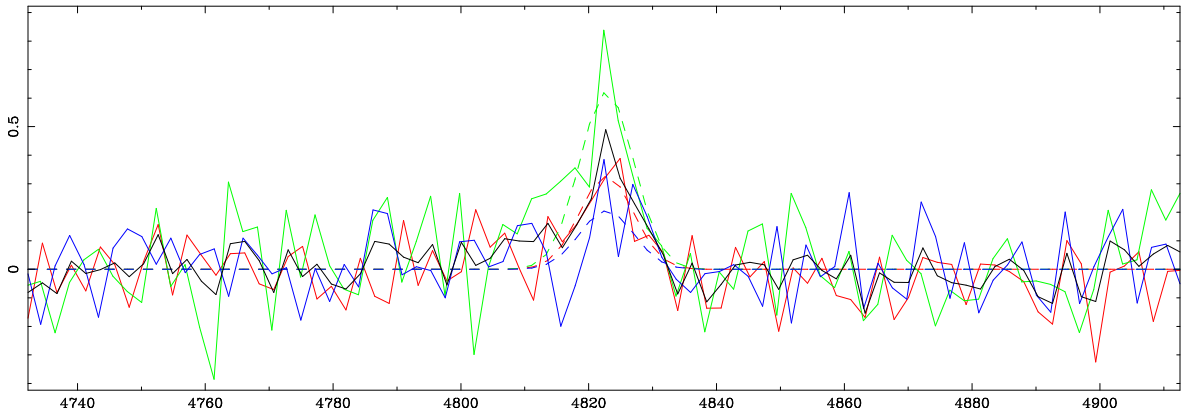
$\lambda_{obs} = 4182.22Å$

$EW_{obs} > 84.62Å$

$\alpha_{2000} = 189.1820°$

$\delta_{2000} = 62.2109°$





$S/N = 8.66$

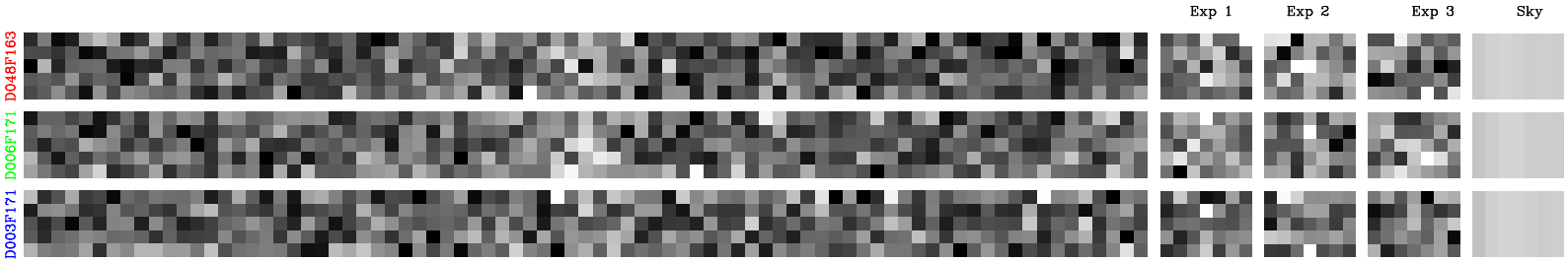
$FWHM_{obs} = 9.99$Å

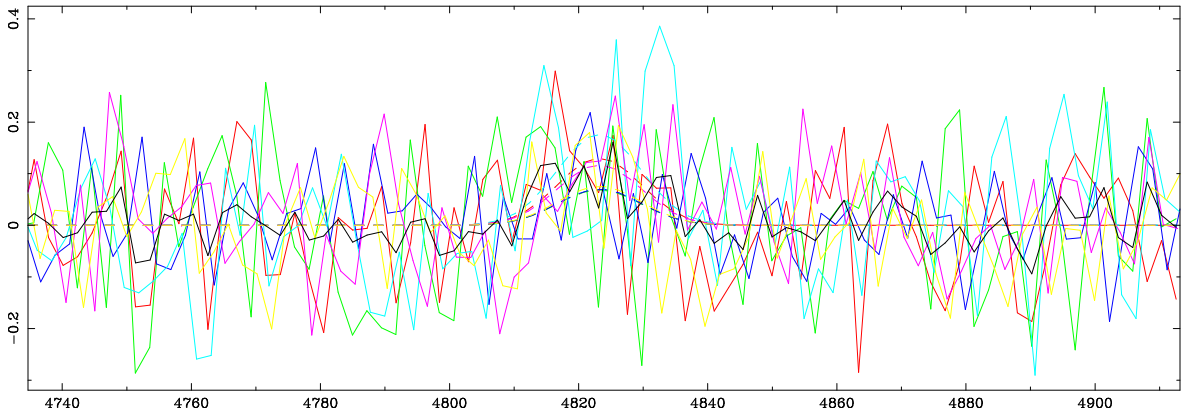
$\lambda_{obs} = 4822.81$Å

$EW_{obs} > 108.58$Å

$\alpha_{2000} = 189.1956°$

$\delta_{2000} = 62.2076°$





S/N = 5.12

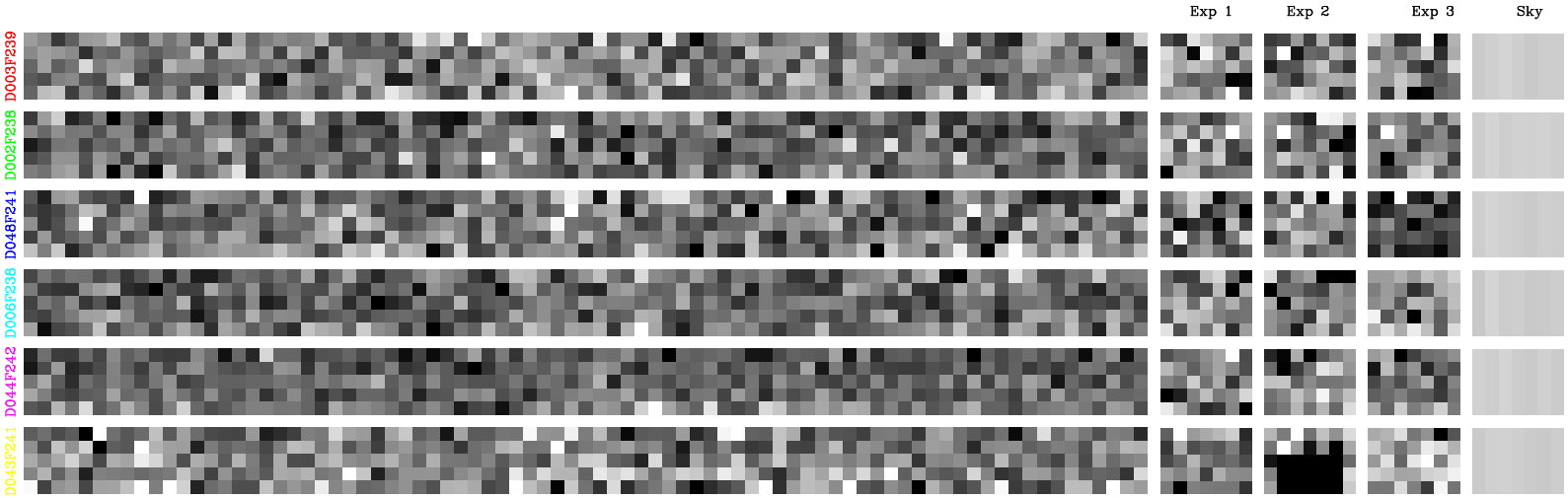
$FWHM_{obs}$ = 15.21Å

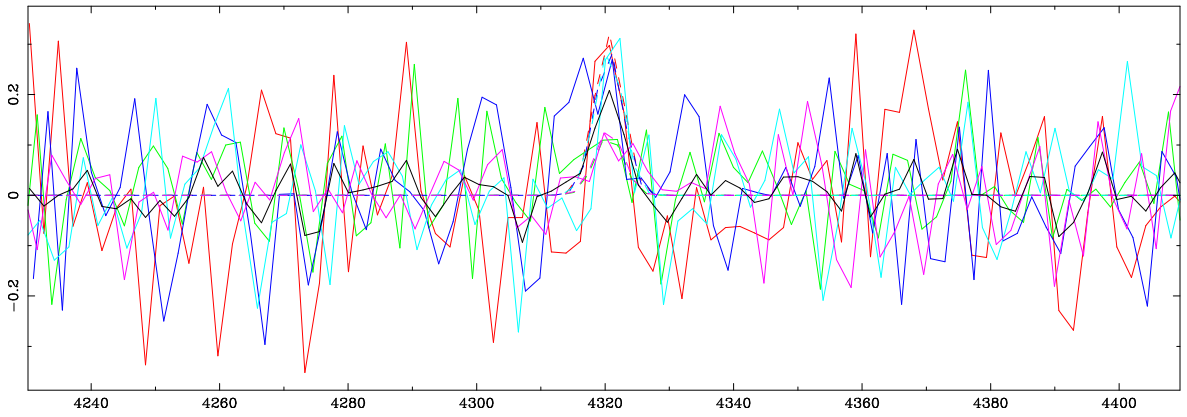
λ_{obs} = 4823.21Å

EW_{obs} > 78.54Å

α_{2000} = 189.2198°

δ_{2000} = 62.1984°





S/N = 5.05

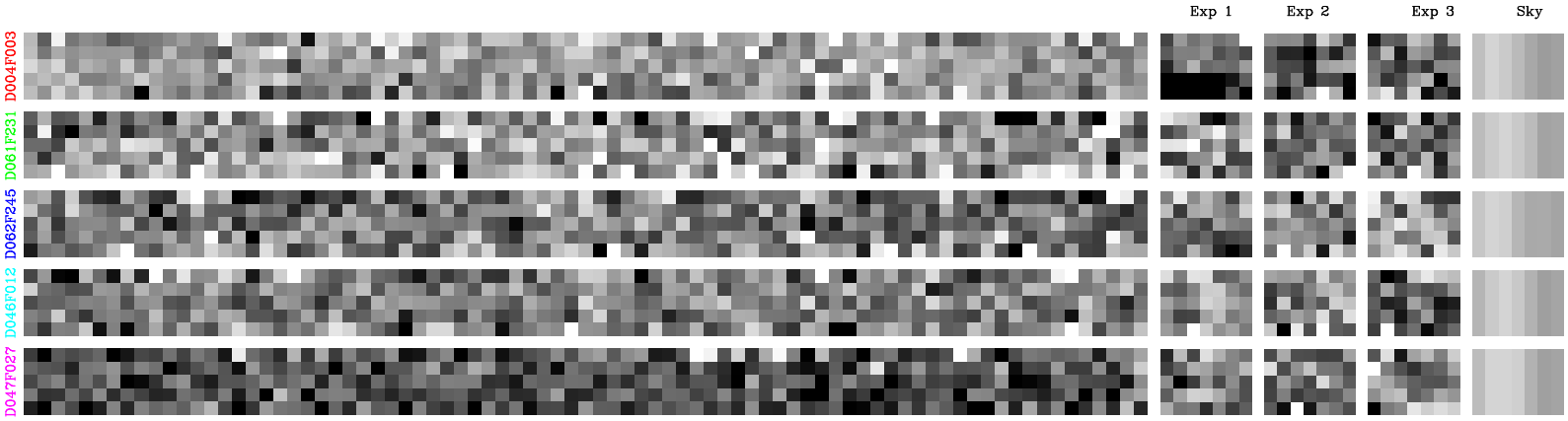
$FWHM_{obs}$ = 5.20Å

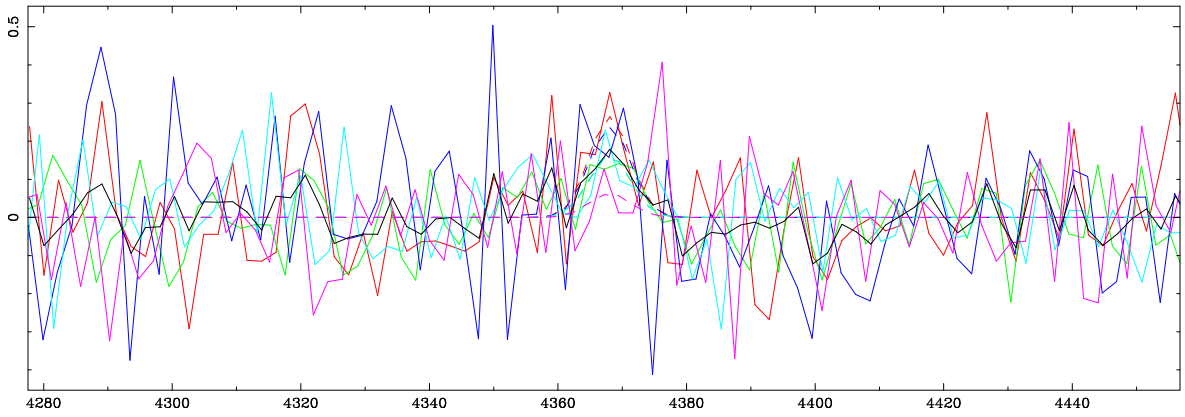
λ_{obs} = 4320.59Å

EW_{obs} > 47.17Å

α_{2000} = 189.2356°

δ_{2000} = 62.2274°





$S/N = 5.04$

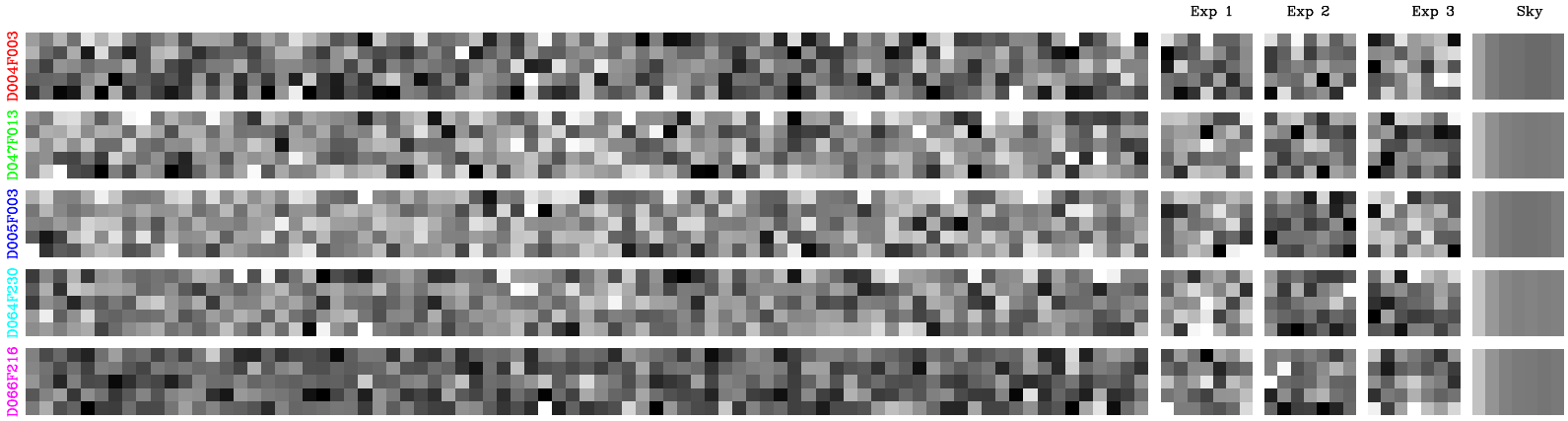
$FWHM_{obs} = 7.59Å$

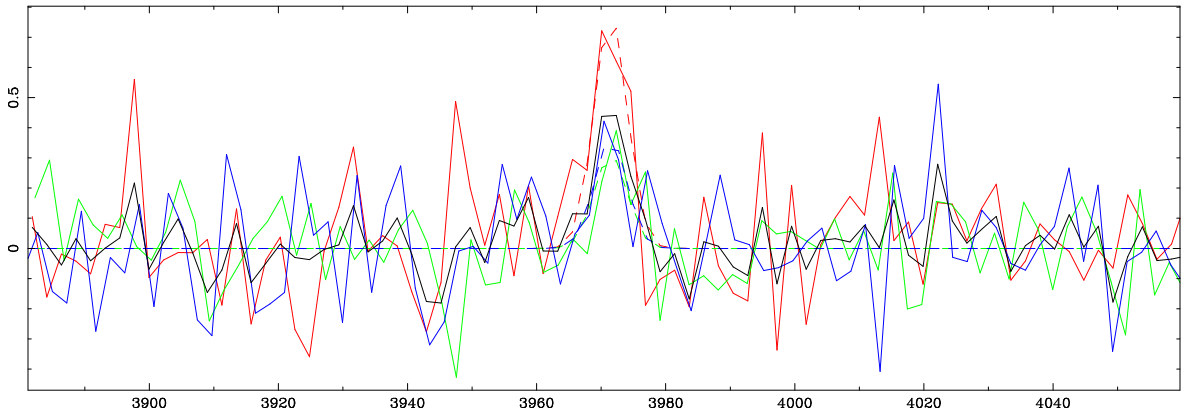
$\lambda_{obs} = 4368.07Å$

$EW_{obs} > 52.66Å$

$\alpha_{2000} = 189.2365°$

$\delta_{2000} = 62.2286°$





S/N = 7.25

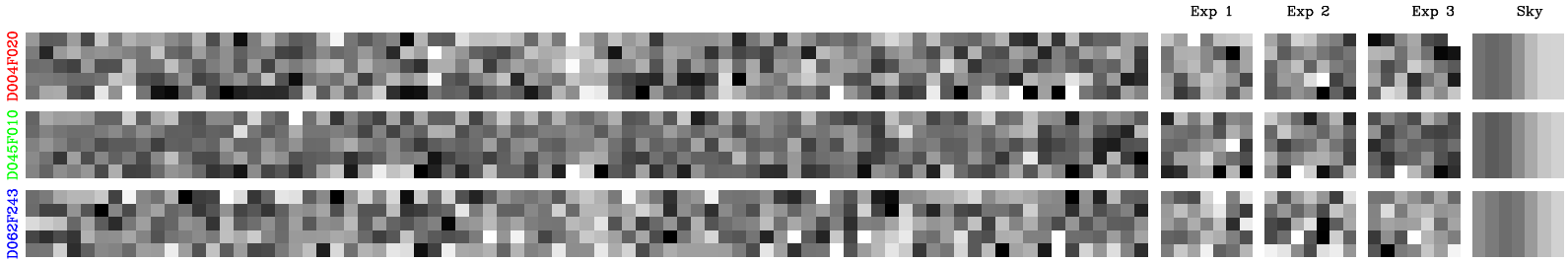
$FWHM_{obs}$ = 6.06Å

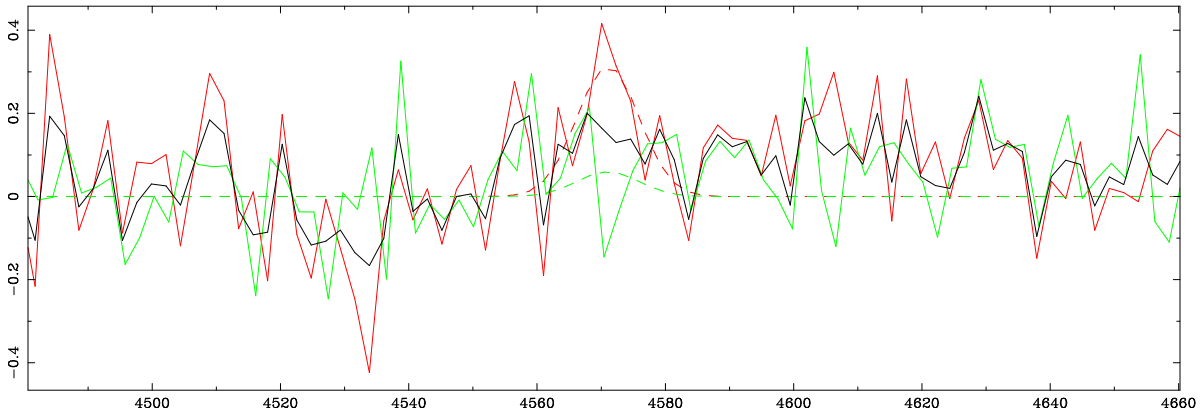
λ_{obs} = 3971.47Å

EW_{obs} > 56.71Å

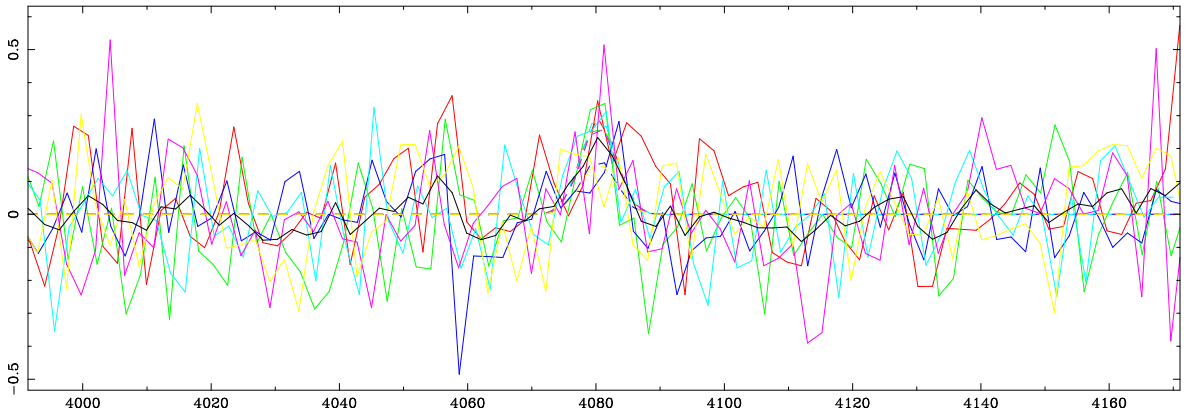
α_{2000} = 189.2261°

δ_{2000} = 62.2268°

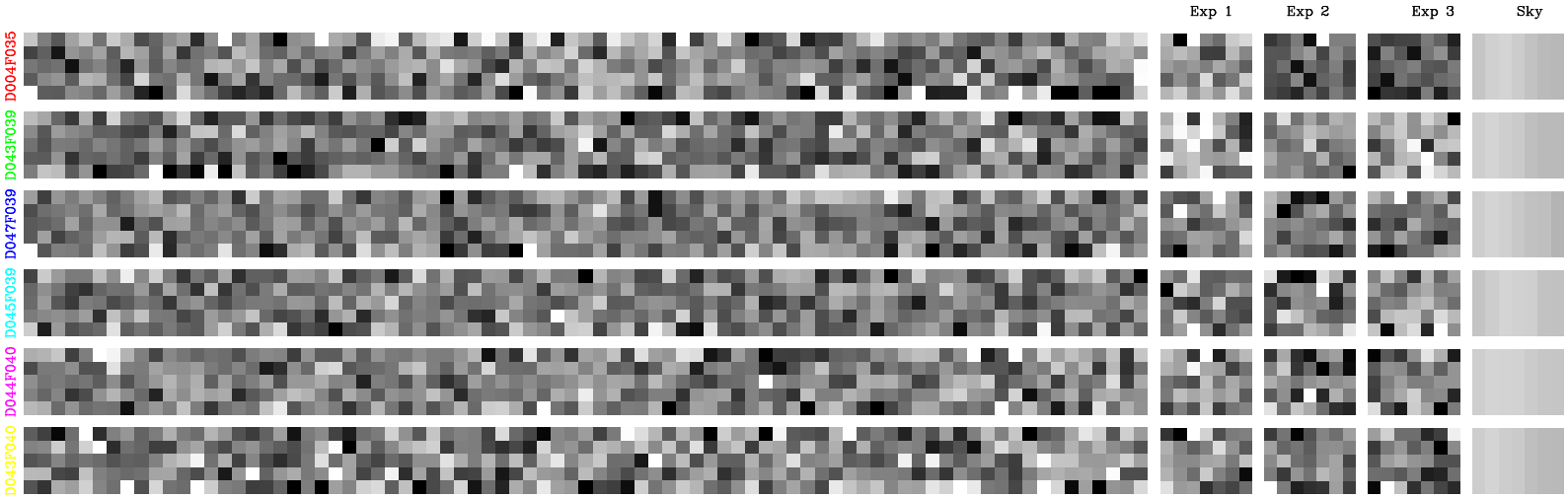


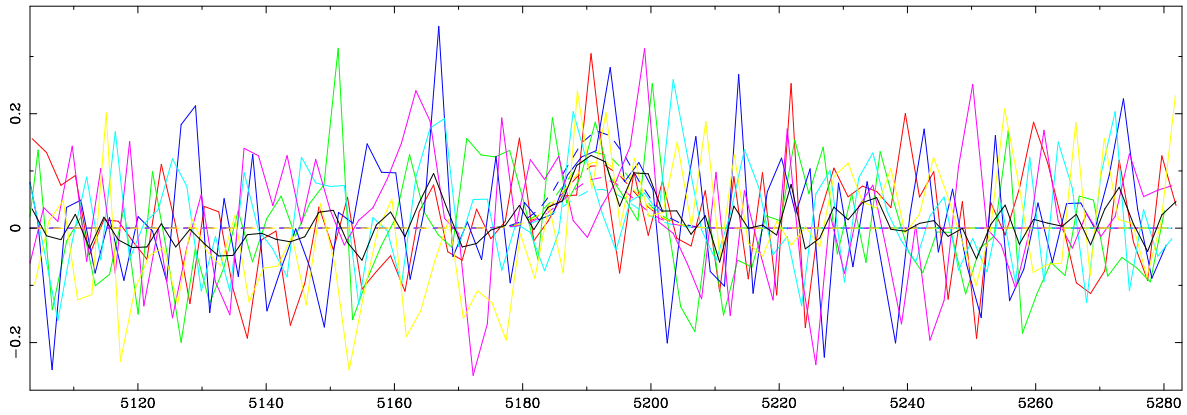


S/N = 5.11
$FWHM_{obs}$ = 11.44Å
λ_{obs} = 4571.05Å
EW_{obs} = 4.23Å
α_{2000} = 189.2288°
δ_{2000} = 62.2247°



S/N = 5.52
$FWHM_{obs}$ = 6.35Å
λ_{obs} = 4080.37Å
EW_{obs} = 50.89Å
α_{2000} = 189.2251°
δ_{2000} = 62.2241°





$S/N = 5.49$

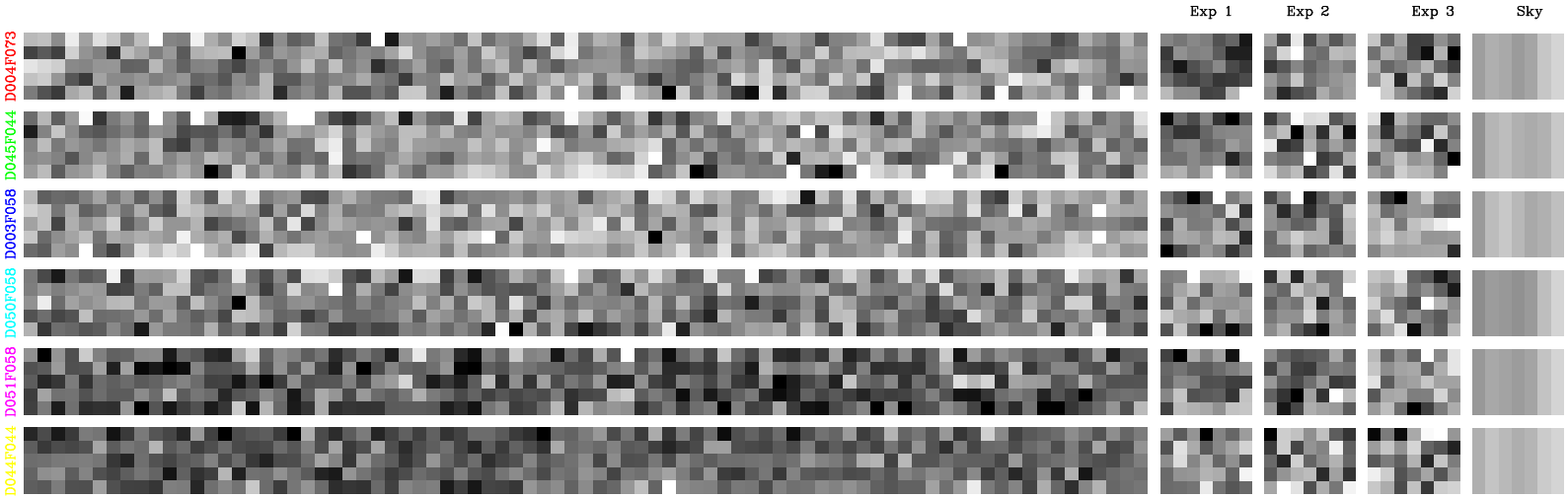
$FWHM_{obs} = 12.12Å$

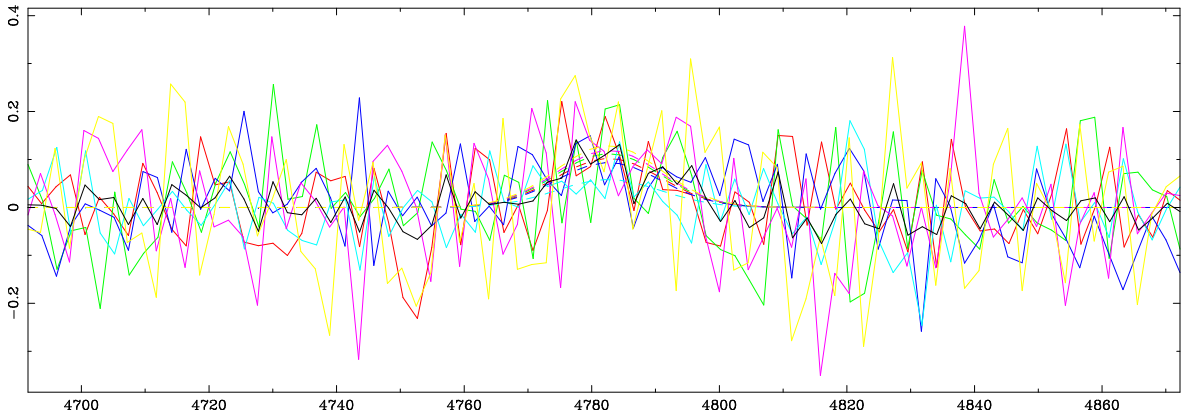
$\lambda_{obs} = 5191.91Å$

$EW_{obs} > 76.98Å$

$\alpha_{2000} = 189.1826°$

$\delta_{2000} = 62.2218°$





$S/N = 5.39$

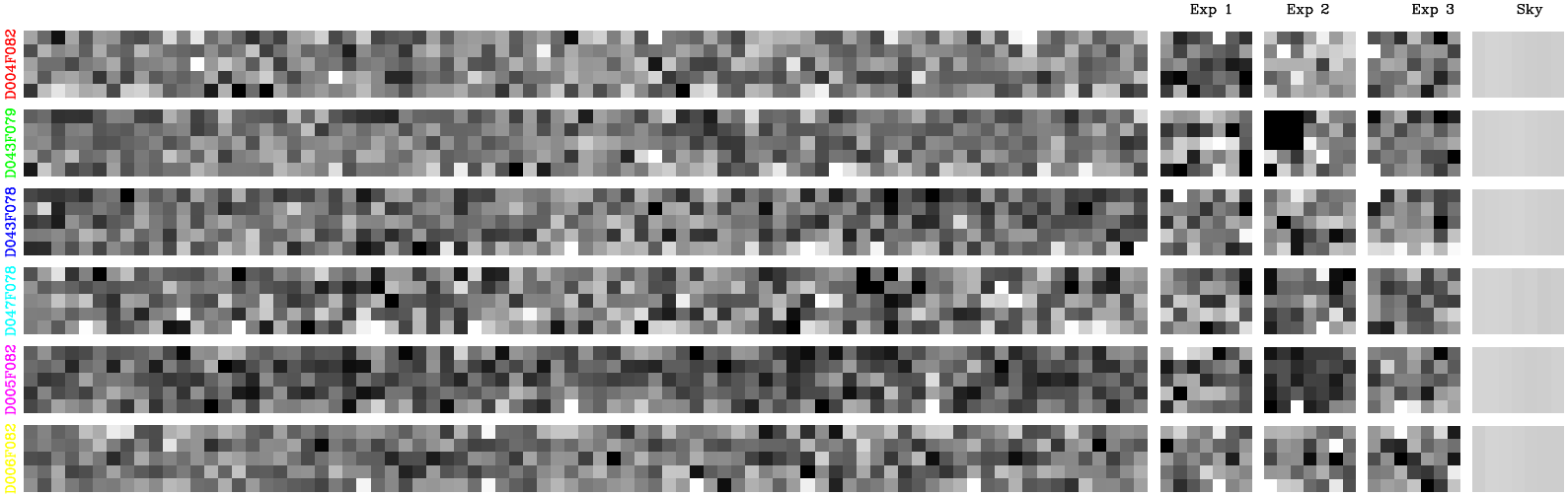
$FWHM_{obs} = 19.32Å$

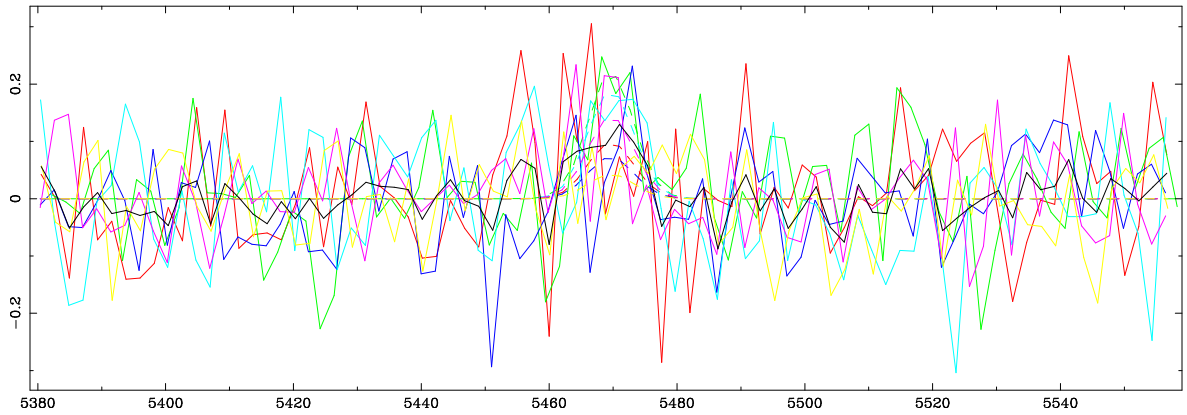
$\lambda_{obs} = 4782.62Å$

$EW_{obs} > 89.03Å$

$\alpha_{2000} = 189.2062°$

$\delta_{2000} = 62.2193°$





$S/N = 5.69$

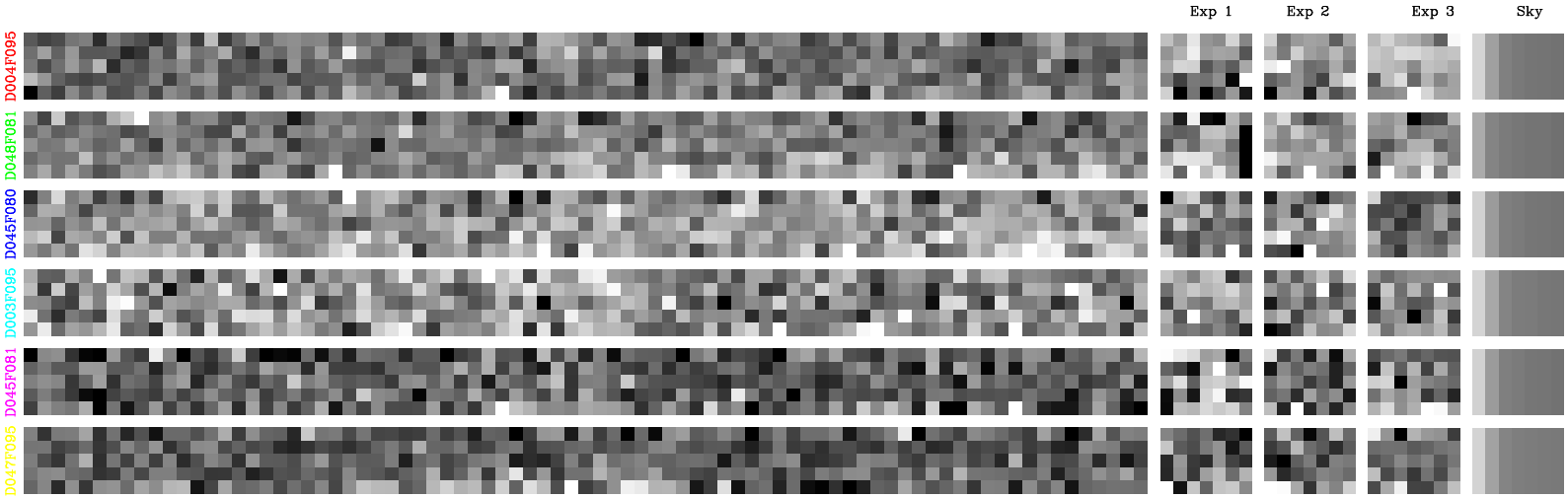
$FWHM_{obs} = 8.51$Å

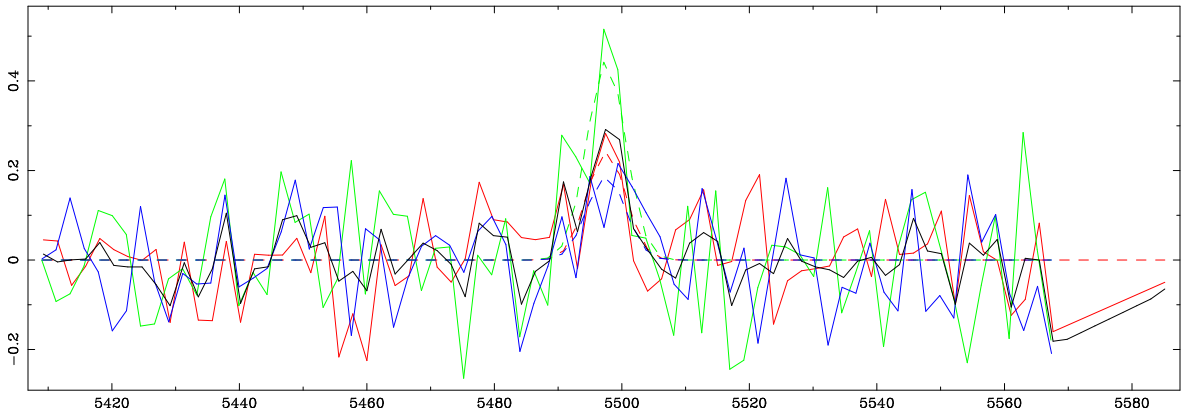
$\lambda_{obs} = 5469.65$Å

$EW_{obs} > 62.11$Å

$\alpha_{2000} = 189.2154°$

$\delta_{2000} = 62.2176°$





$S/N = 6.34$

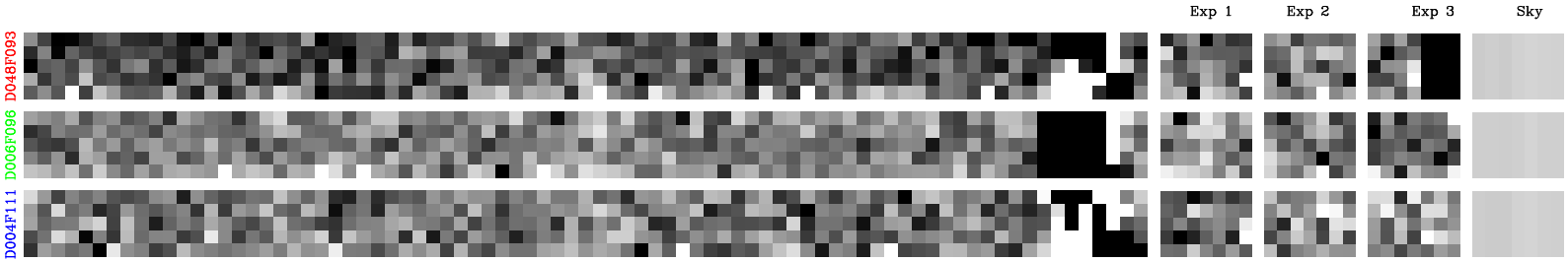
$FWHM_{obs} = 7.12$Å

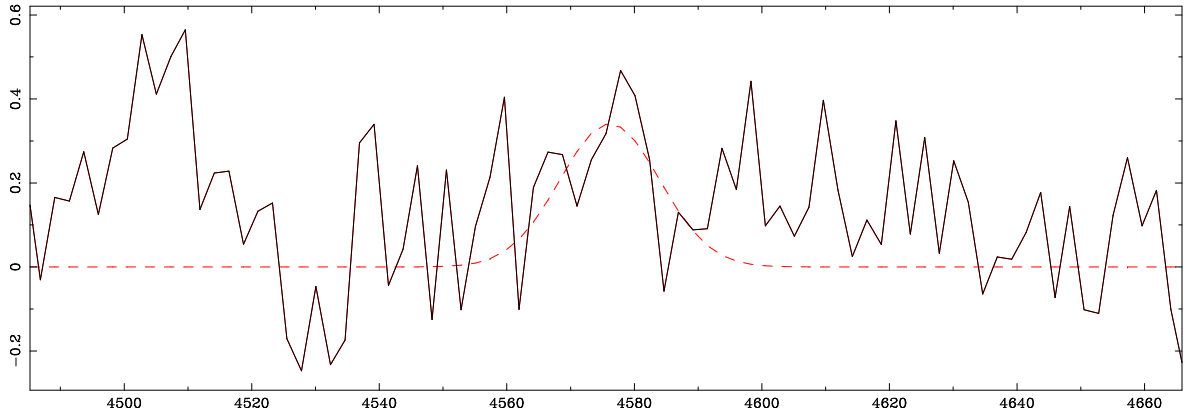
$\lambda_{obs} = 5497.55$Å

$EW_{obs} > 63.31$Å

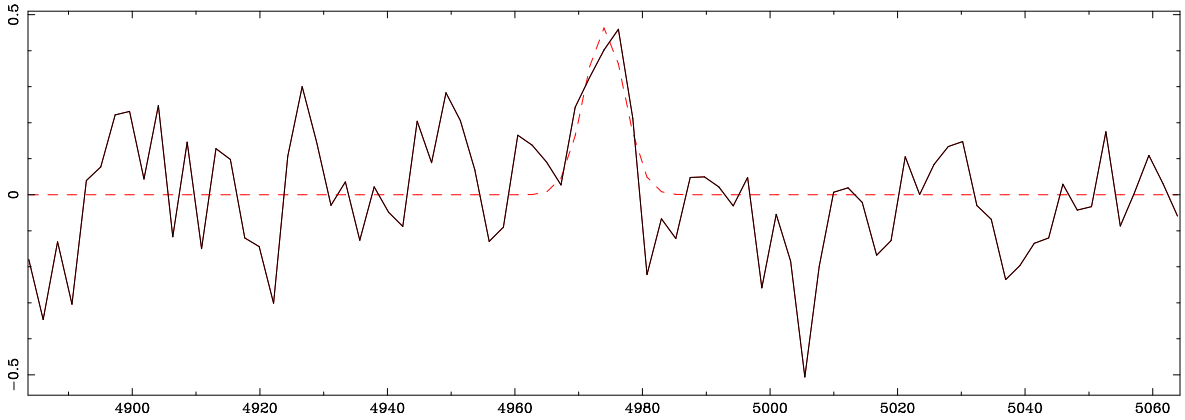
$\alpha_{2000} = 189.2069°$

$\delta_{2000} = 62.2165°$

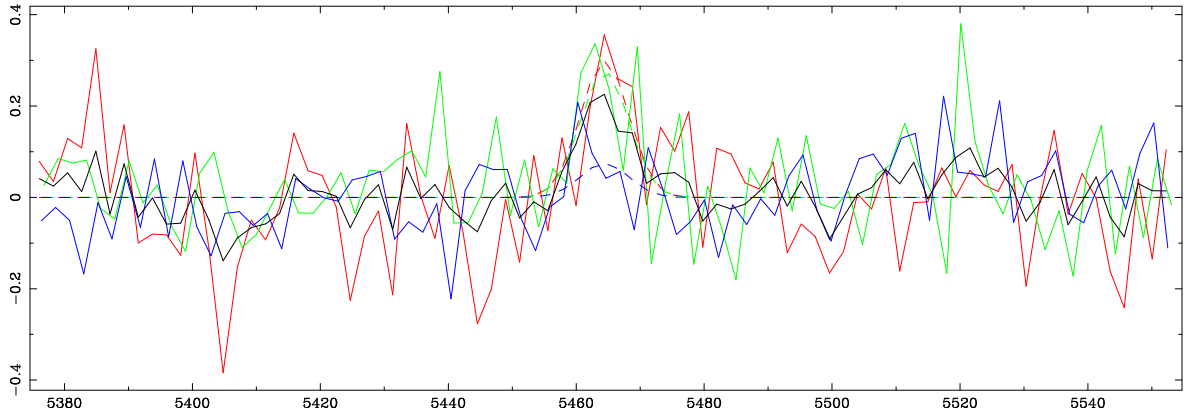




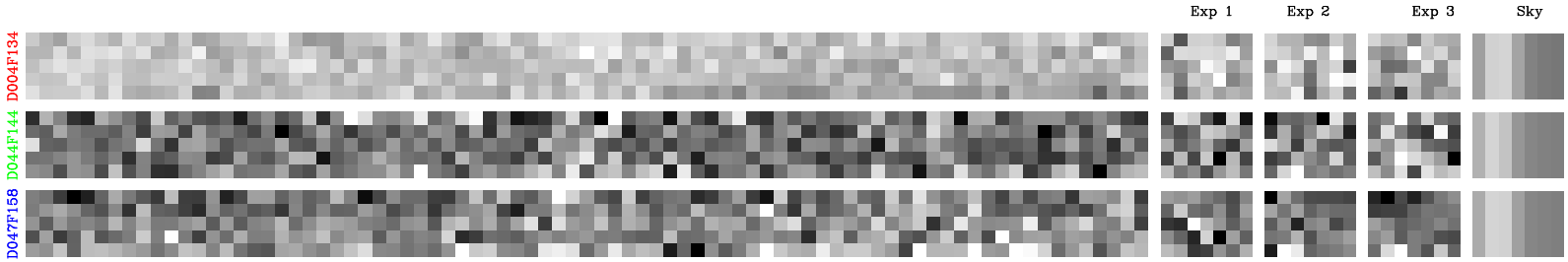
S/N = 5.70
$FWHM_{obs}$ = 18.49Å
λ_{obs} = 4576.15Å
EW_{obs} = 2.13Å
α_{2000} = 189.2352°
δ_{2000} = 62.2113°

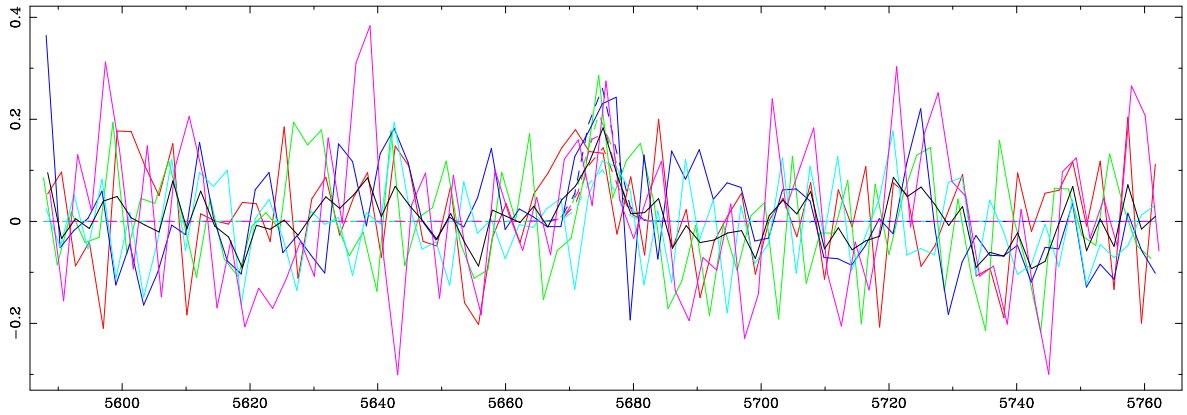


S/N = 5.75
$FWHM_{obs}$ = 7.45Å
λ_{obs} = 4974.01Å
EW_{obs} = 1.27Å
α_{2000} = 189.2352°
δ_{2000} = 62.2113°



S/N = 5.18
$FWHM_{obs}$ = 8.91Å
λ_{obs} = 5464.45Å
EW_{obs} = 2.24Å
α_{2000} = 189.2360°
δ_{2000} = 62.2112°





$S/N = 5.21$

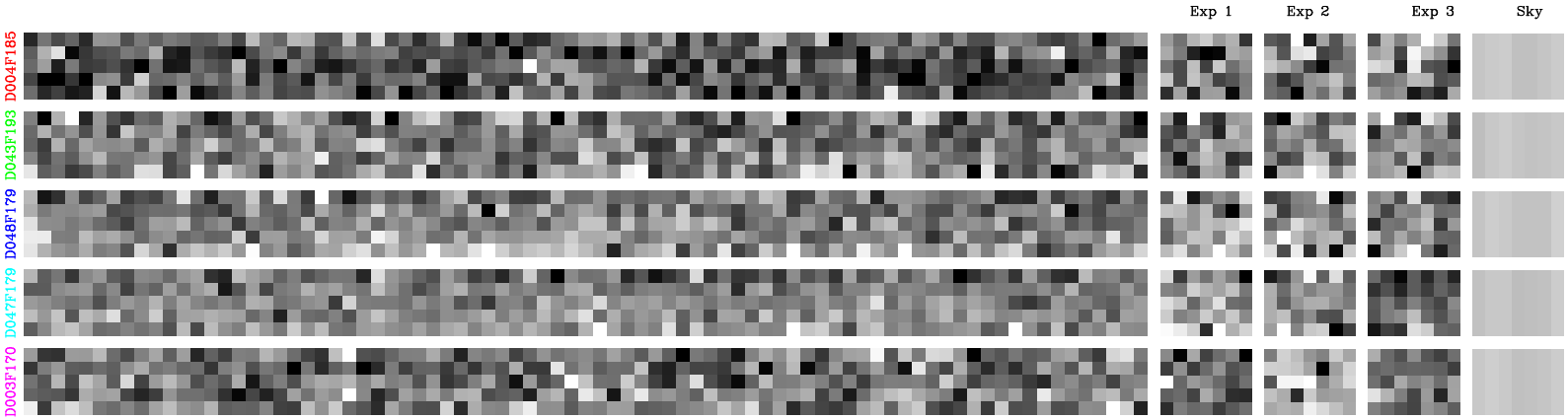
$FWHM_{obs} = 5.26$Å

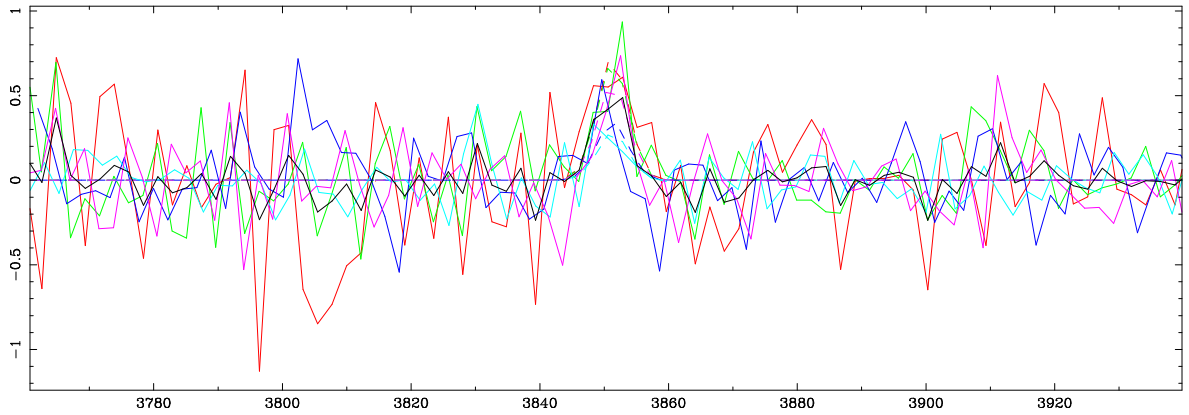
$\lambda_{obs} = 5674.79$Å

$EW_{obs} > 49.11$Å

$\alpha_{2000} = 189.2009°$

$\delta_{2000} = 62.2062°$





$S/N = 6.04$

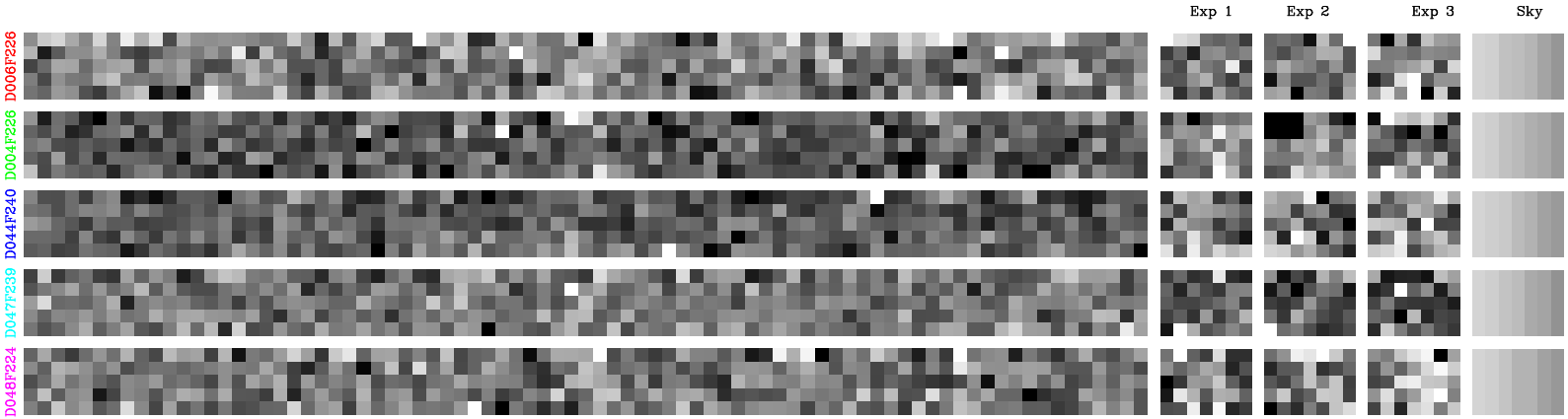
$FWHM_{obs} = 5.71$Å

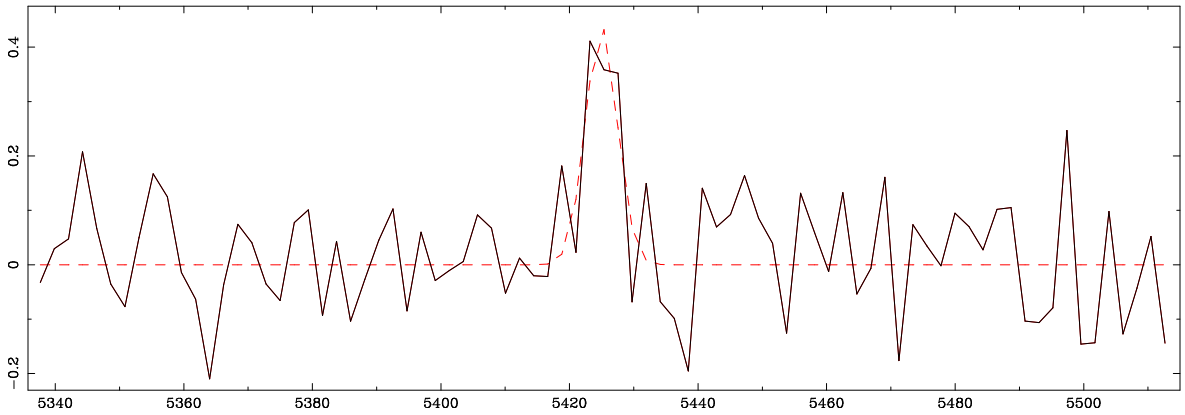
$\lambda_{obs} = 3851.30$Å

$EW_{obs} > 53.32$Å

$\alpha_{2000} = 189.2100°$

$\delta_{2000} = 62.1999°$





S/N = 5.65

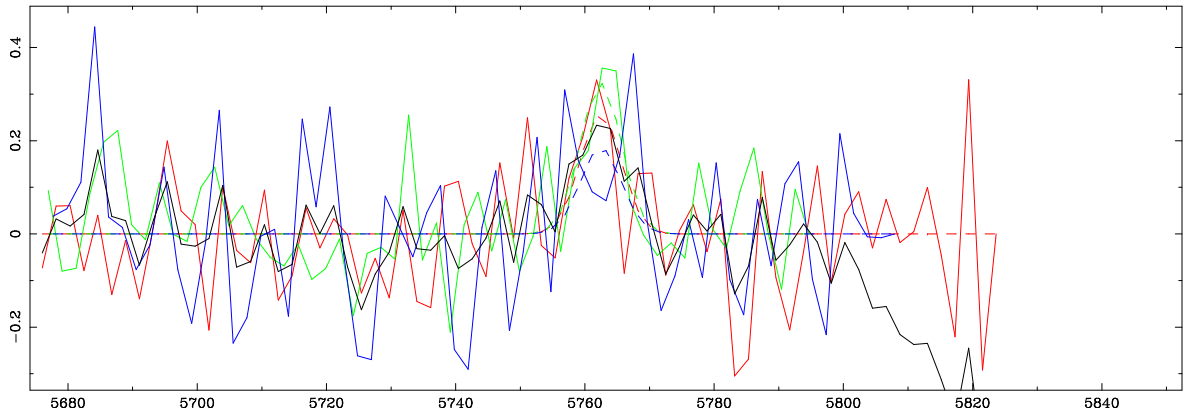
$FWHM_{obs}$ = 5.81Å

λ_{obs} = 5424.96Å

EW_{obs} > 60.96Å

α_{2000} = 189.1884°

δ_{2000} = 62.2002°



$S/N = 5.72$

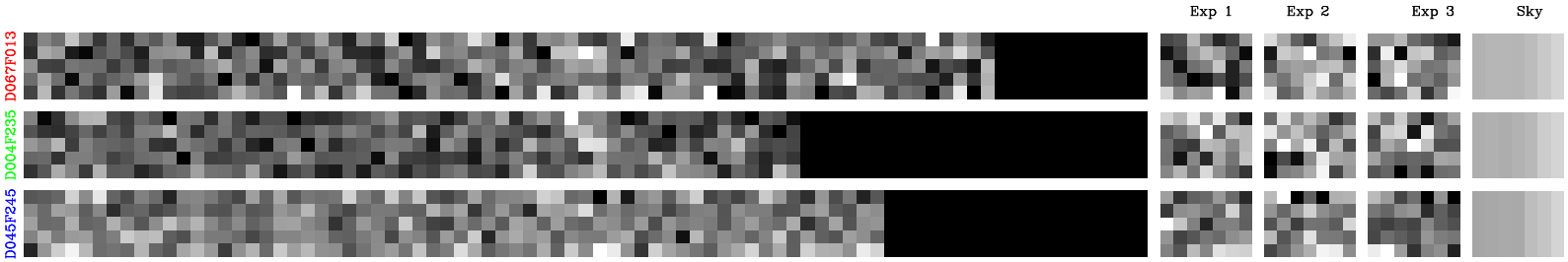
$FWHM_{obs} = 7.49$Å

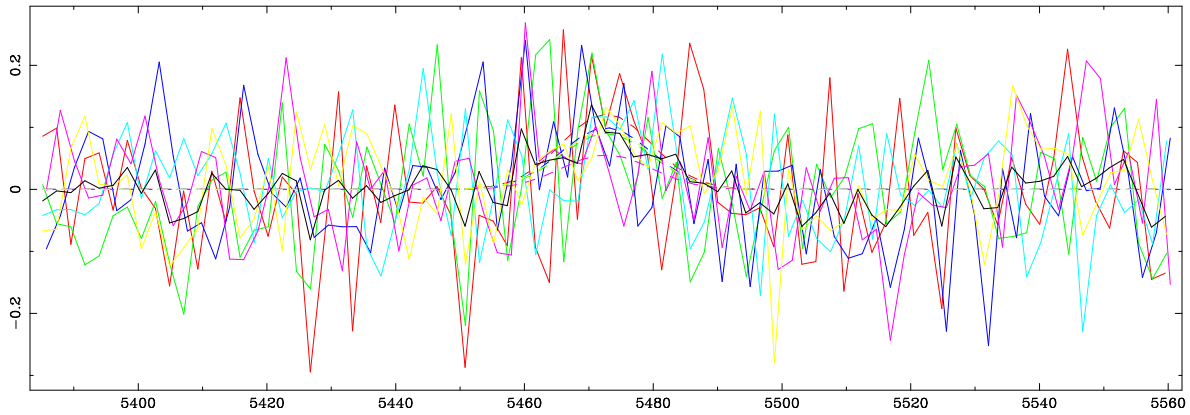
$\lambda_{obs} = 5762.45$Å

$EW_{obs} > 55.61$Å

$\alpha_{2000} = 189.2369°$

$\delta_{2000} = 62.1982°$





S/N = 5.24

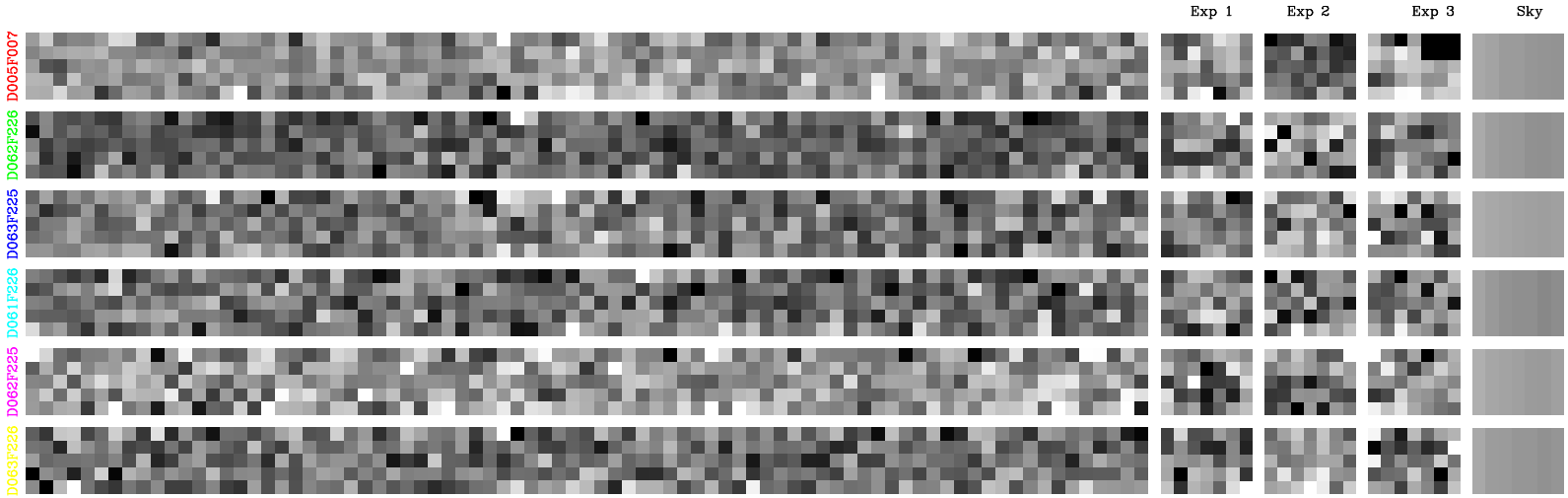
$FWHM_{obs}$ = 16.53Å

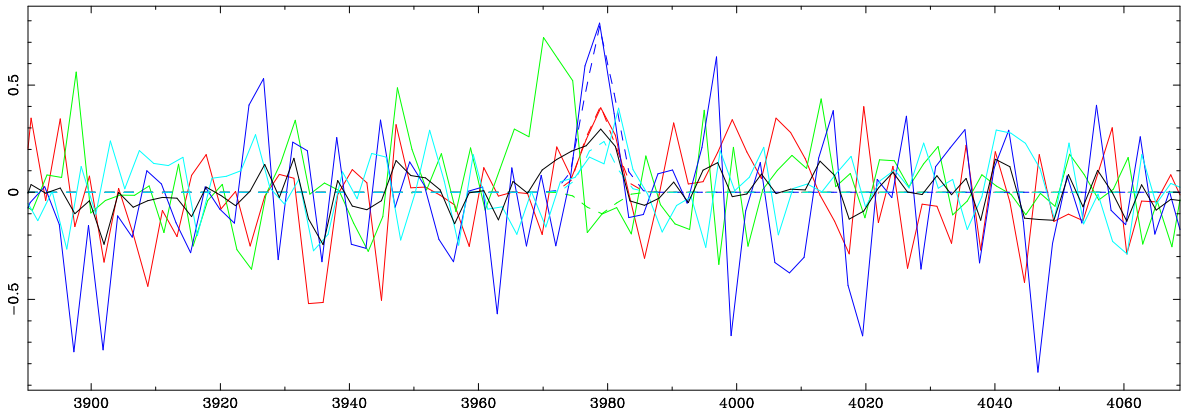
λ_{obs} = 5472.71Å

EW_{obs} > 85.04Å

α_{2000} = 189.2156°

δ_{2000} = 62.2286°





S/N = 5.27

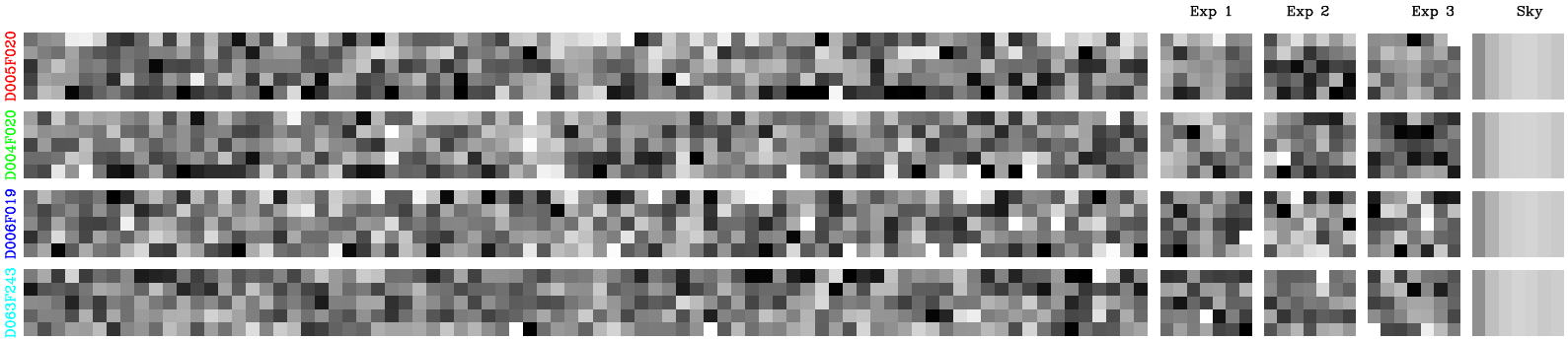
$FWHM_{obs}$ = 5.20Å

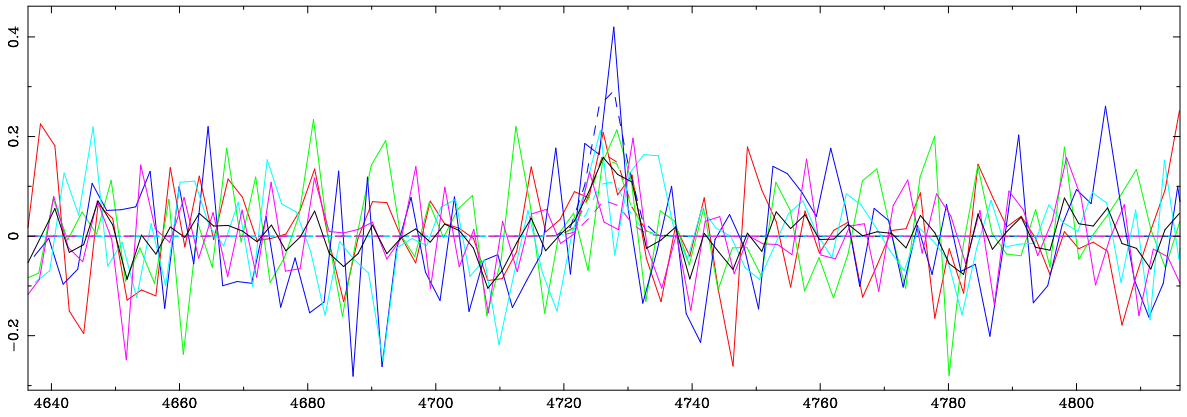
λ_{obs} = 3978.77Å

EW_{obs} > 45.74Å

α_{2000} = 189.2276°

δ_{2000} = 62.2265°





$S/N = 5.20$

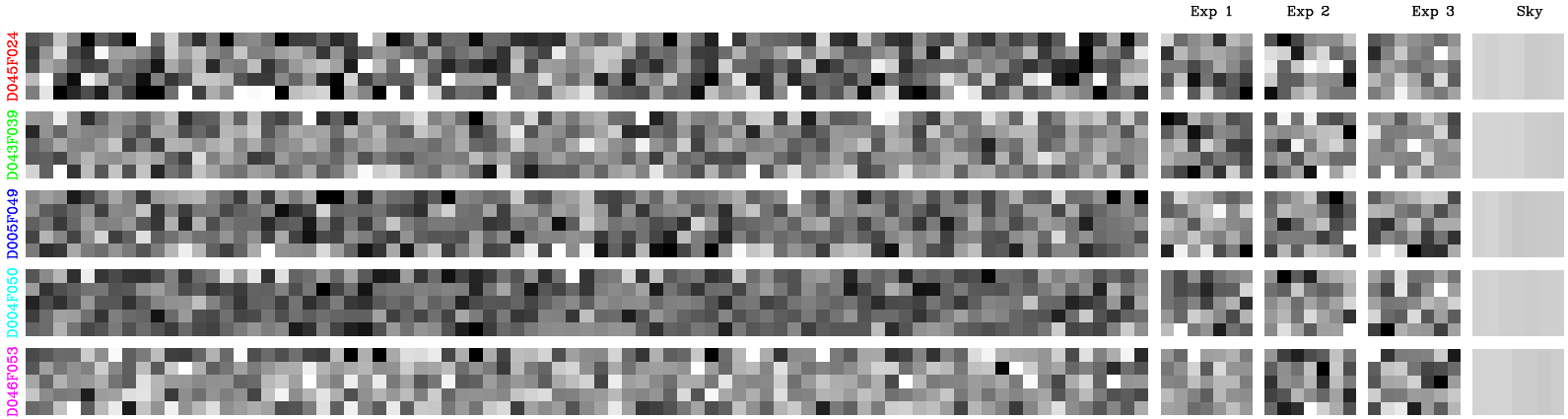
$FWHM_{obs} = 5.87$Å

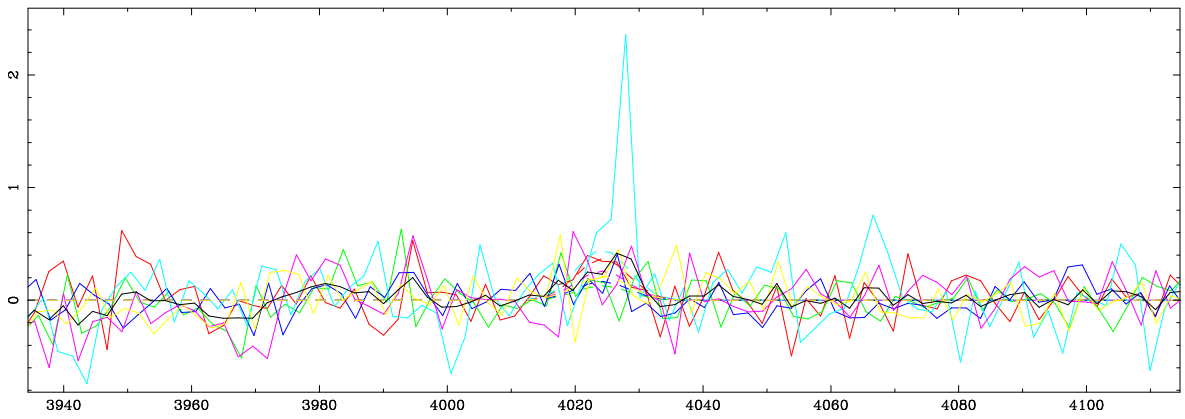
$\lambda_{obs} = 4726.94$Å

$EW_{obs} > 47.67$Å

$\alpha_{2000} = 189.2234°$

$\delta_{2000} = 62.2238°$





$S/N = 5.12$

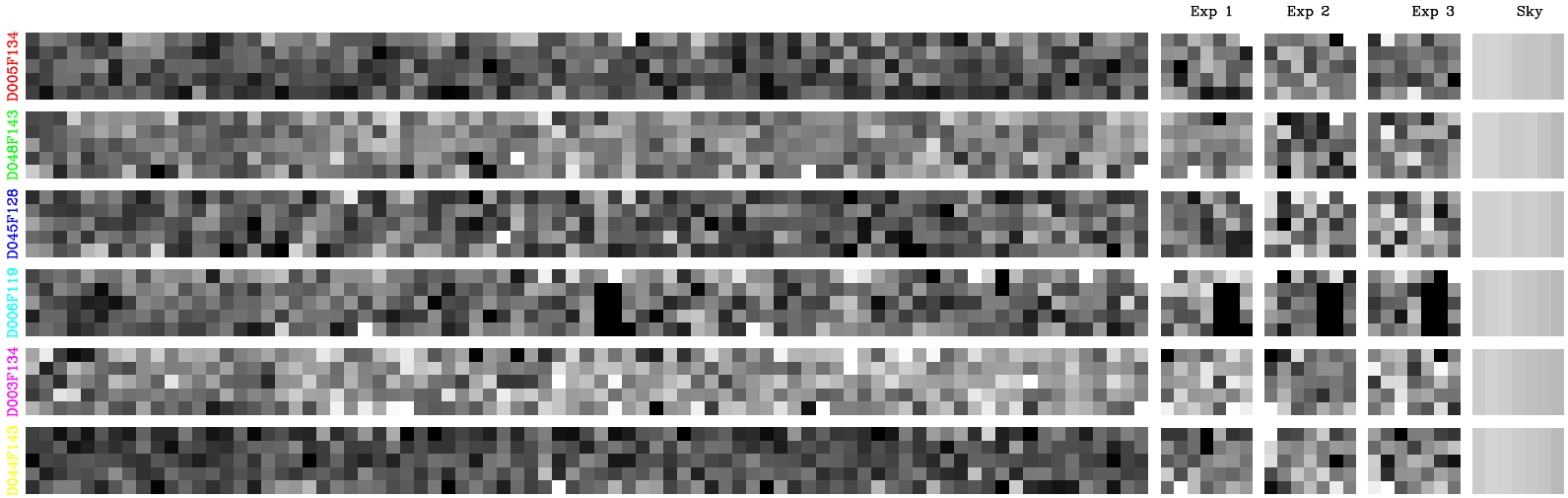
$FWHM_{obs} = 9.59Å$

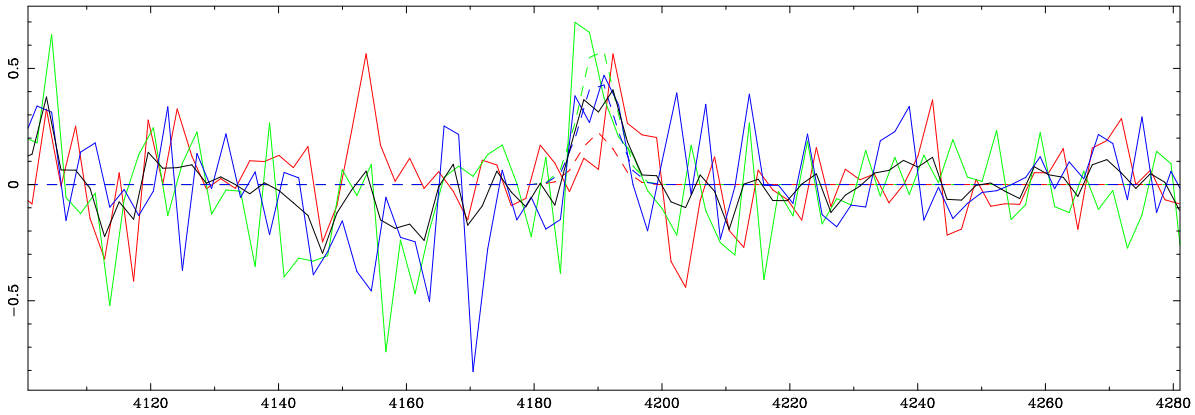
$\lambda_{obs} = 4024.25Å$

$EW_{obs} = 17.11Å$

$\alpha_{2000} = 189.2338°$

$\delta_{2000} = 62.2119°$





S/N = 5.92

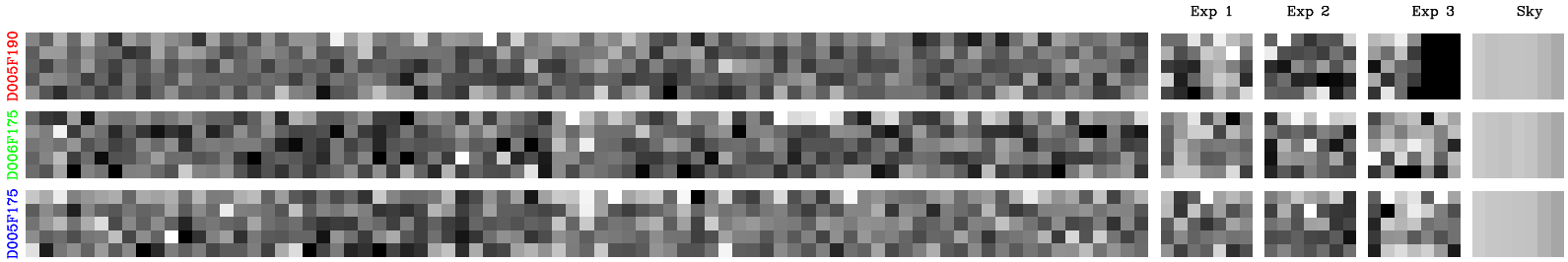
$FWHM_{obs}$ = 6.47Å

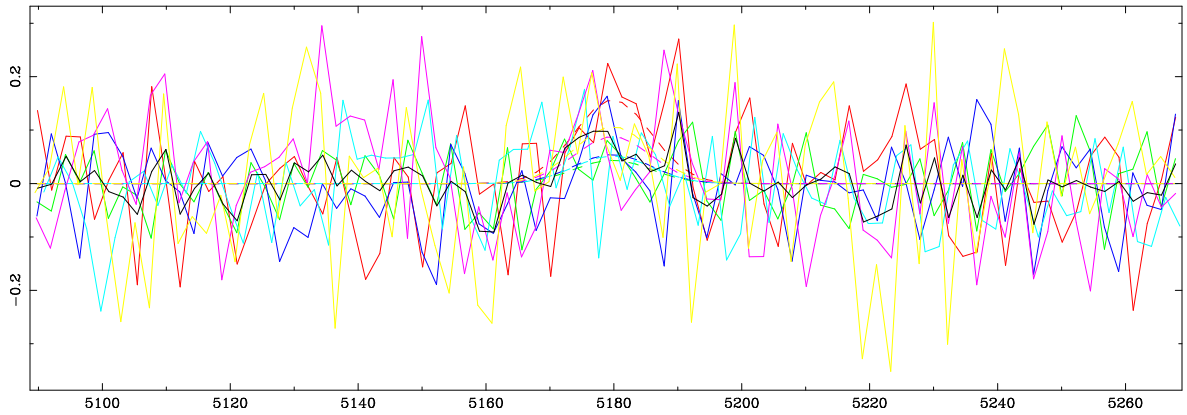
λ_{obs} = 4189.94Å

EW_{obs} > 59.65Å

α_{2000} = 189.2440°

δ_{2000} = 62.2053°





S/N = 5.28

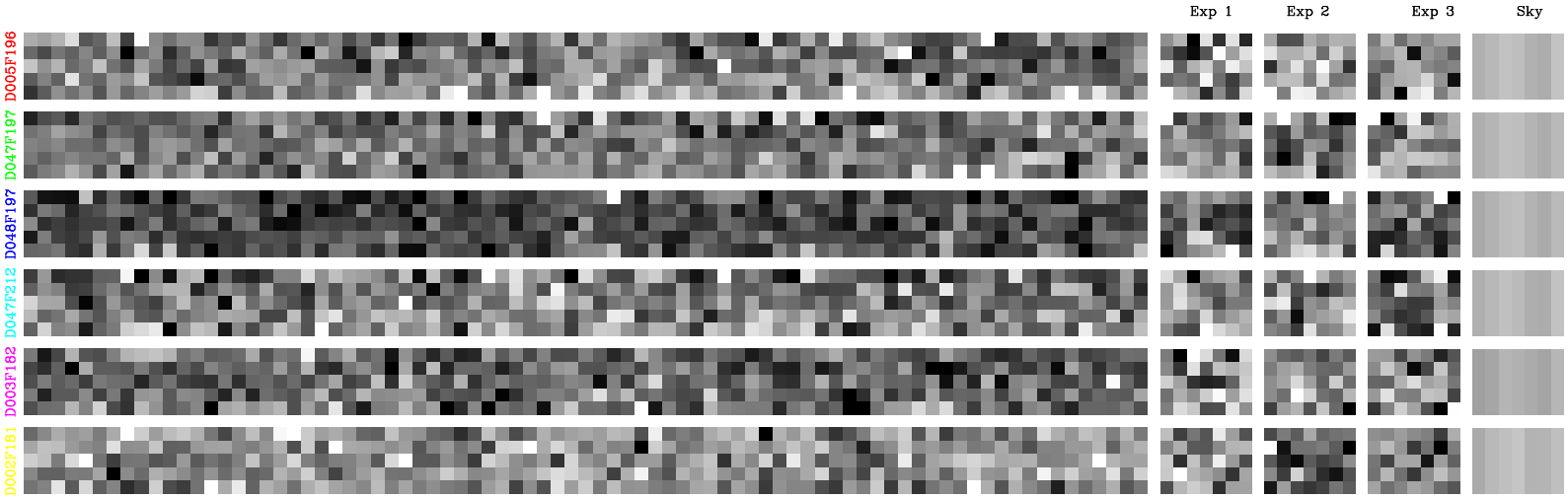
$FWHM_{obs}$ = 14.05Å

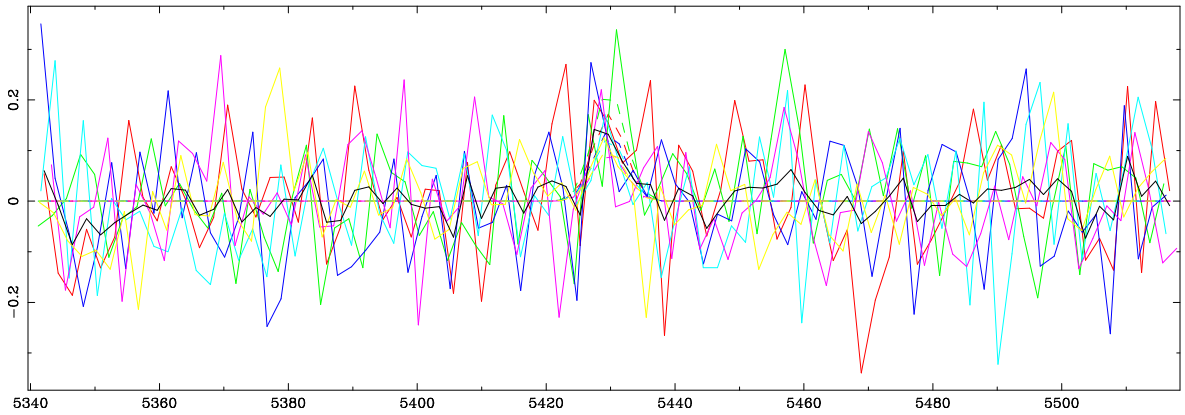
λ_{obs} = 5179.79Å

EW_{obs} > 71.19Å

α_{2000} = 189.2152°

δ_{2000} = 62.2048°





$S/N = 5.13$

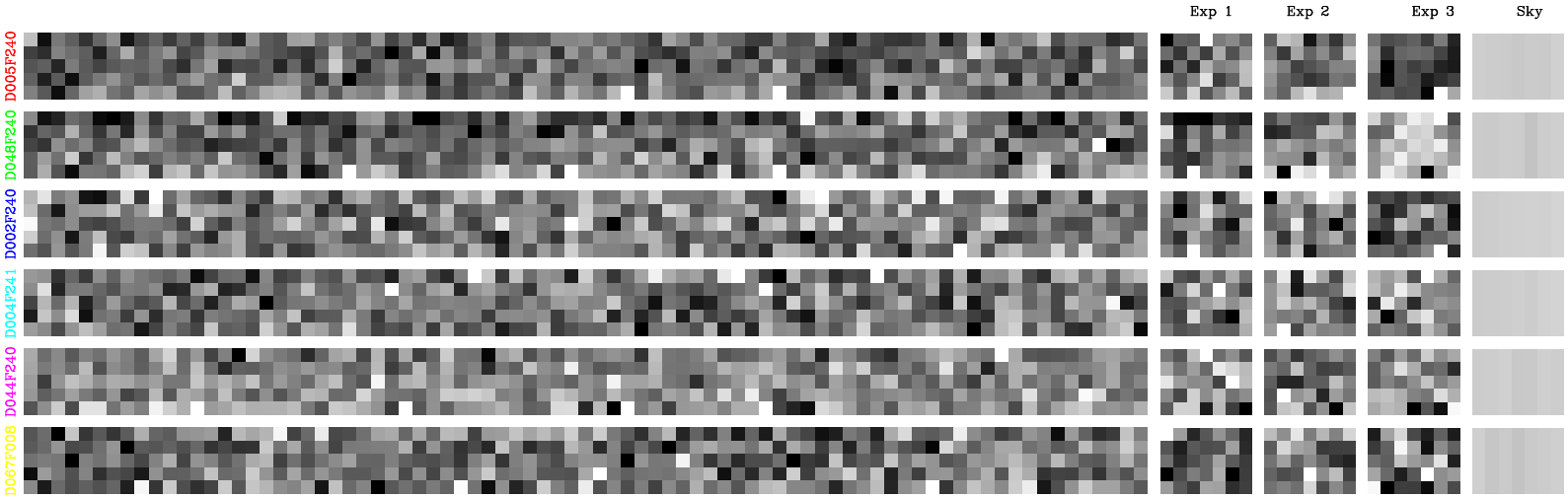
$FWHM_{obs} = 5.87$Å

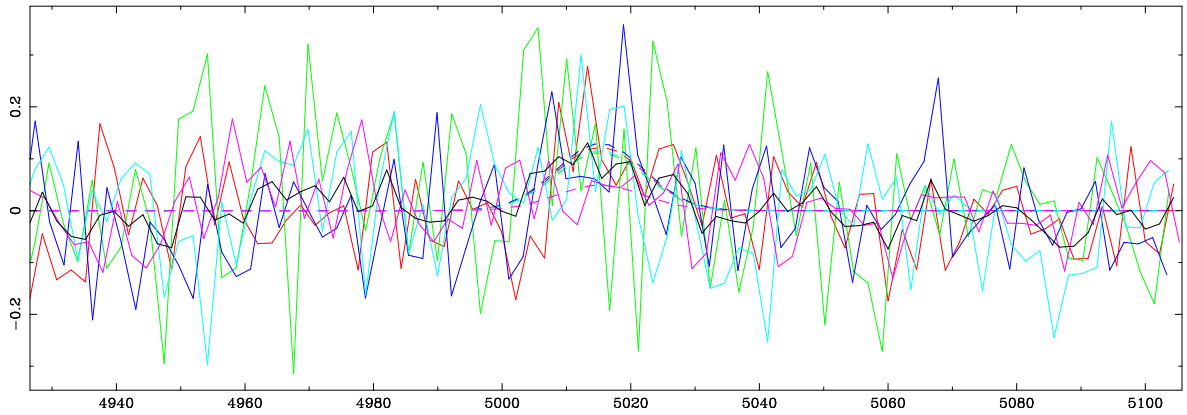
$\lambda_{obs} = 5429.77$Å

$EW_{obs} > 46.81$Å

$\alpha_{2000} = 189.2123°$

$\delta_{2000} = 62.1987°$





S/N = 5.22

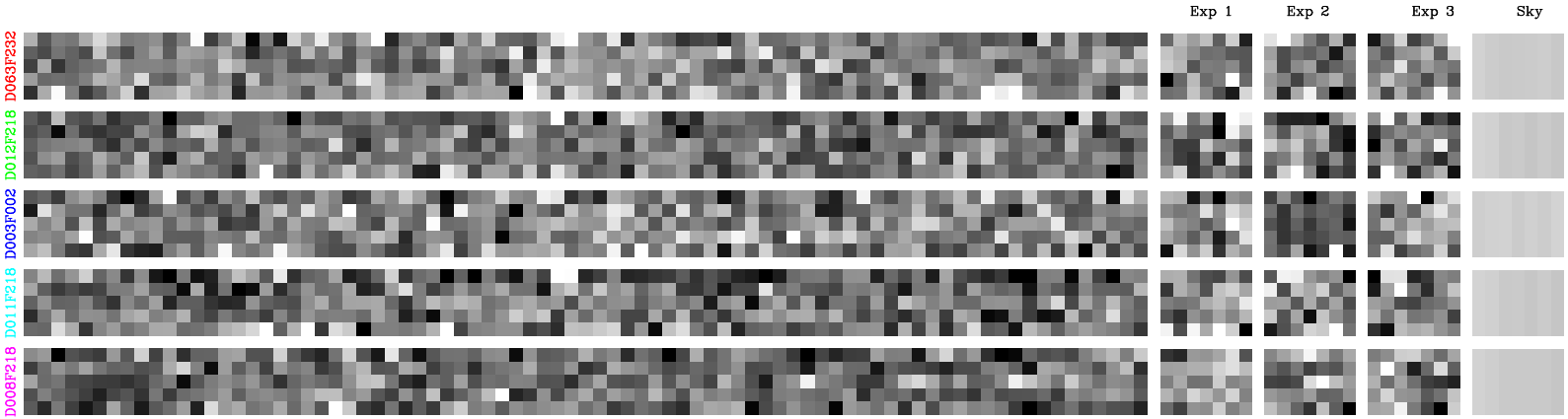
$FWHM_{obs}$ = 16.11Å

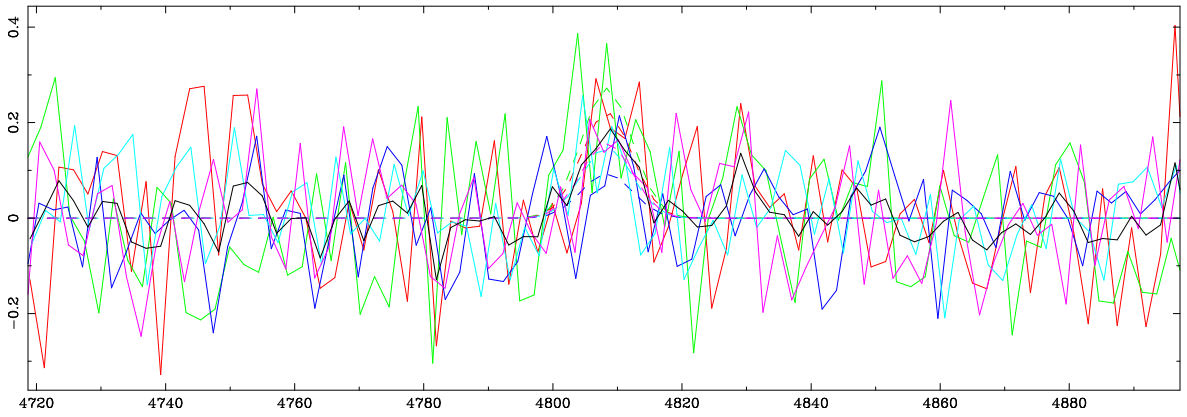
λ_{obs} = 5015.25Å

EW_{obs} > 78.48Å

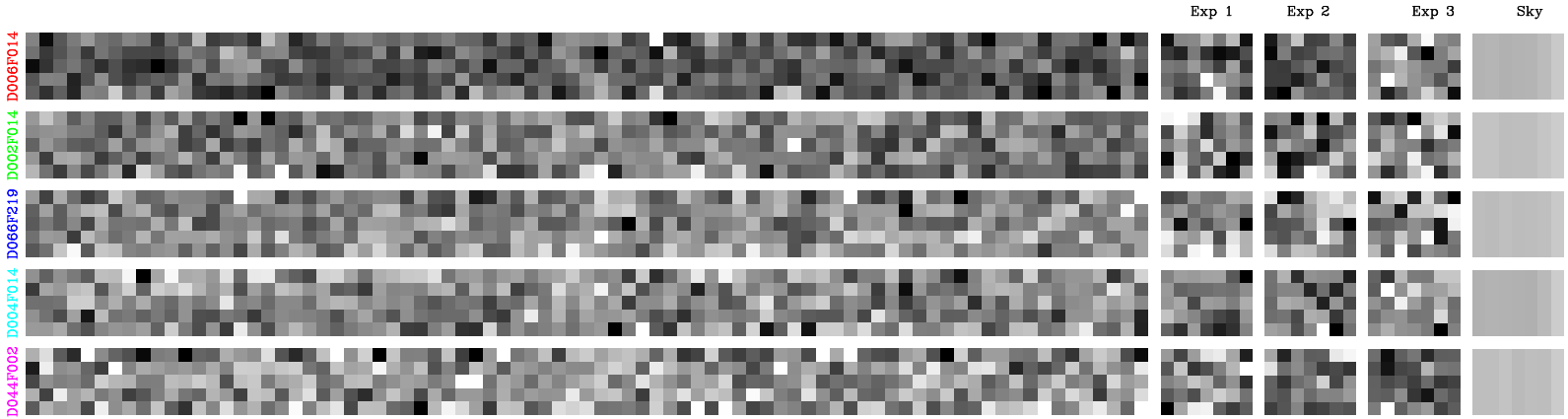
α_{2000} = 189.2429°

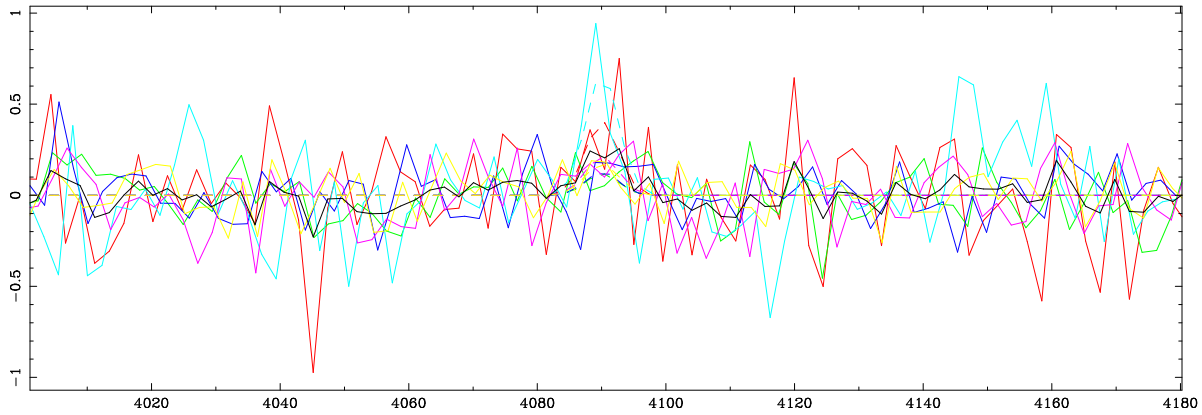
δ_{2000} = 62.2286°





S/N = 5.08
$FWHM_{obs}$ = 9.22Å
λ_{obs} = 4808.35Å
EW_{obs} > 62.07Å
α_{2000} = 189.1858°
δ_{2000} = 62.2284°





S/N = 5.12

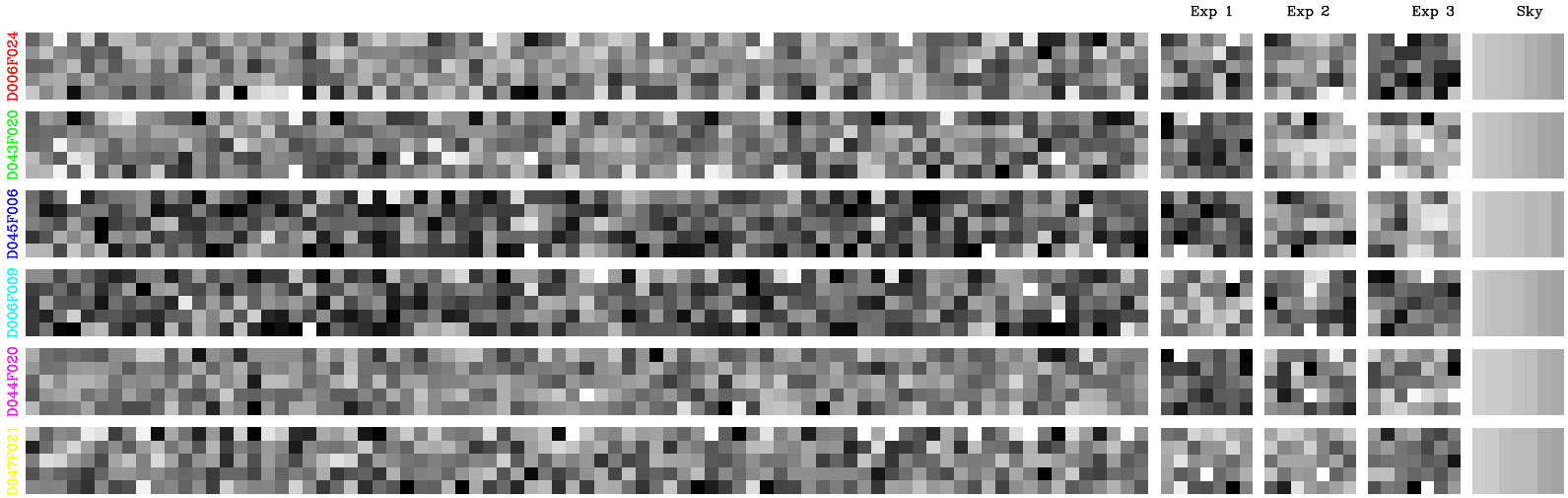
$FWHM_{obs}$ = 6.07Å

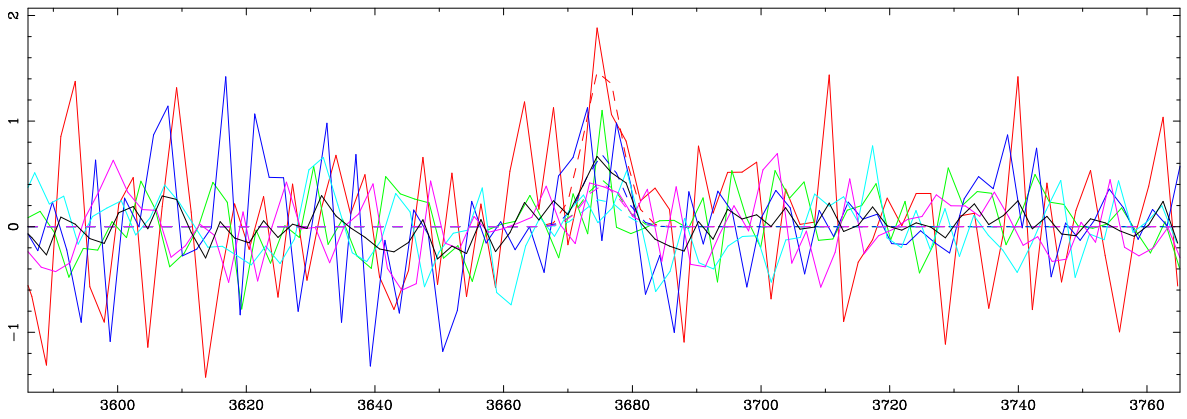
λ_{obs} = 4090.06Å

EW_{obs} > 49.50Å

α_{2000} = 189.2066°

δ_{2000} = 62.2269°





S/N = 5.27

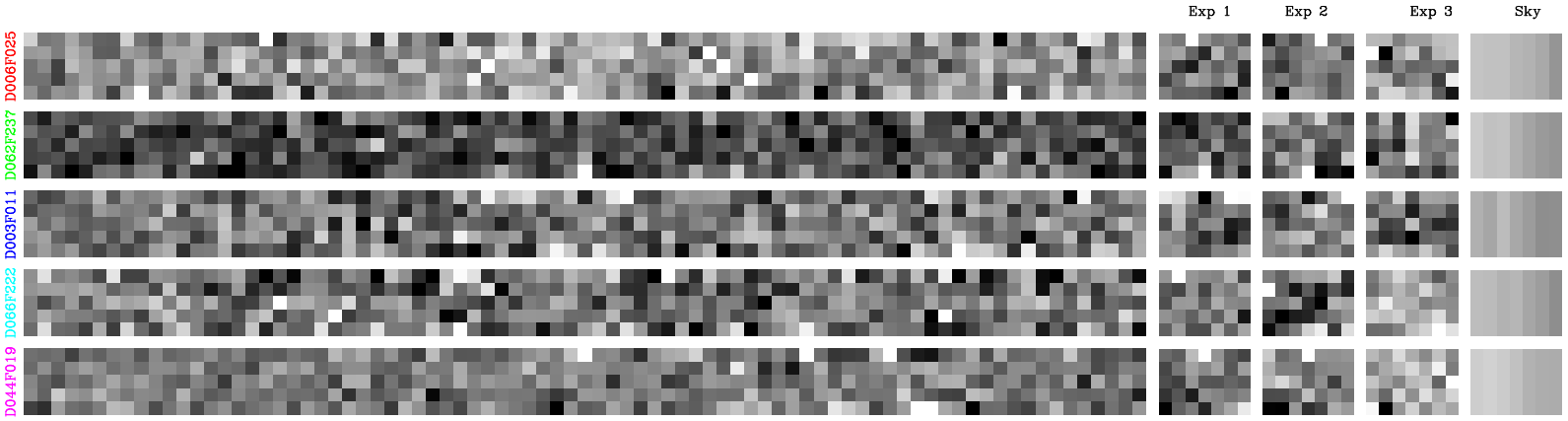
$FWHM_{obs}$ = 6.58Å

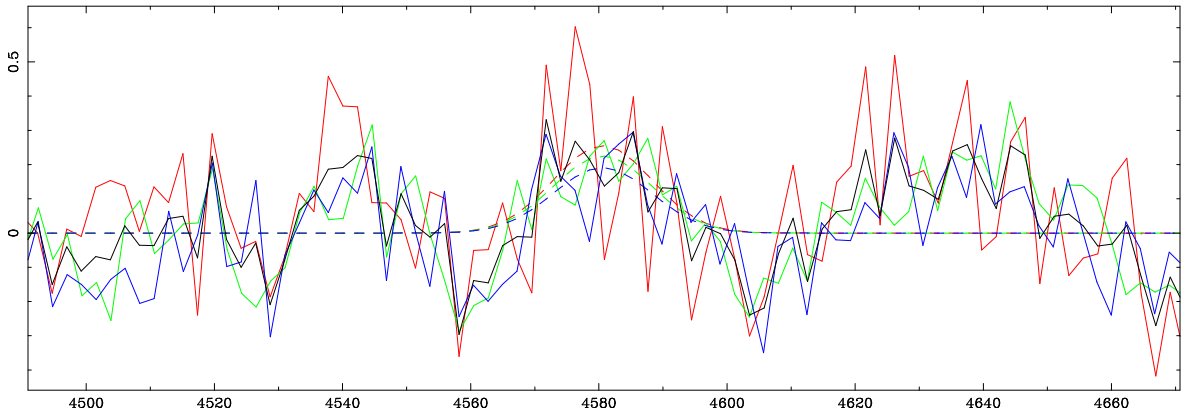
λ_{obs} = 3675.37Å

EW_{obs} > 49.45Å

α_{2000} = 189.2004°

δ_{2000} = 62.2269°





S/N = 6.41

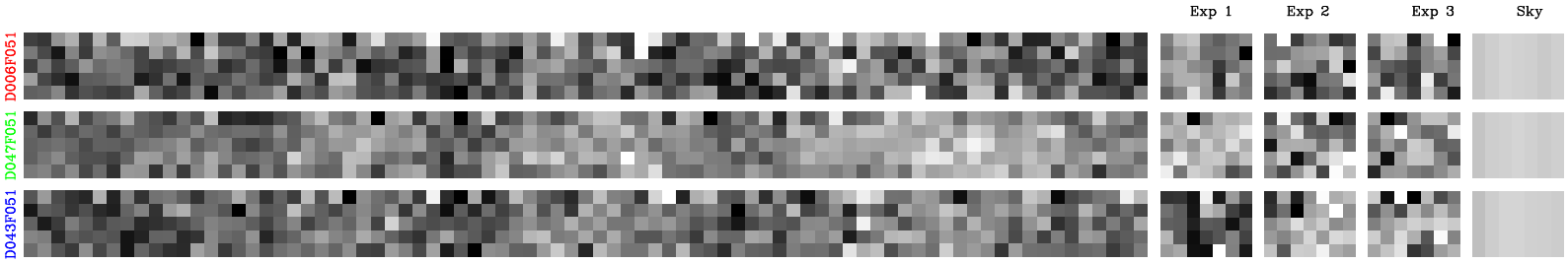
$FWHM_{obs}$ = 18.14Å

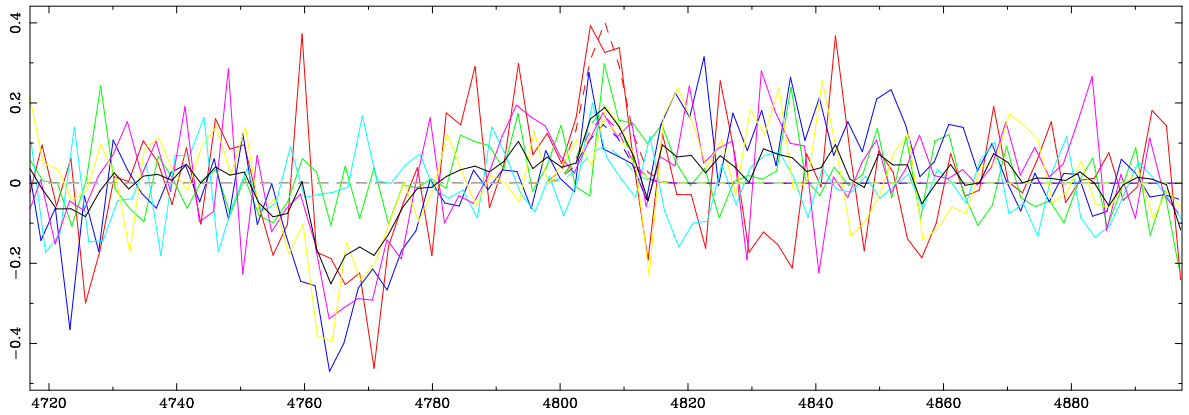
λ_{obs} = 4580.60Å

EW_{obs} = 5.16Å

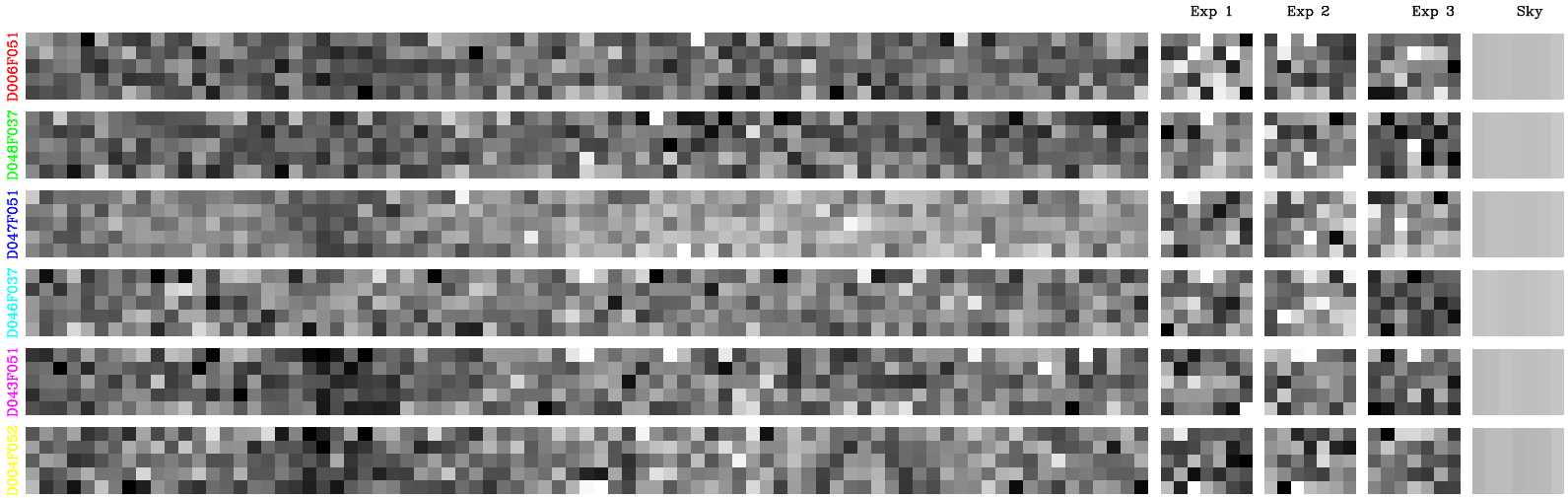
α_{2000} = 189.2137°

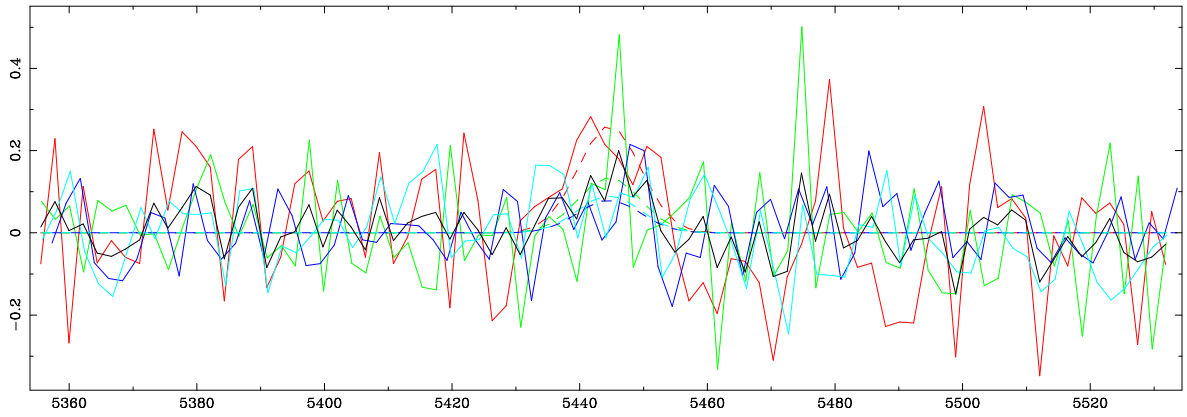
δ_{2000} = 62.2226°





S/N = 5.83
$FWHM_{obs}$ = 6.97Å
λ_{obs} = 4806.88Å
EW_{obs} = 2.63Å
α_{2000} = 189.2141°
δ_{2000} = 62.2229°





$S/N = 5.23$

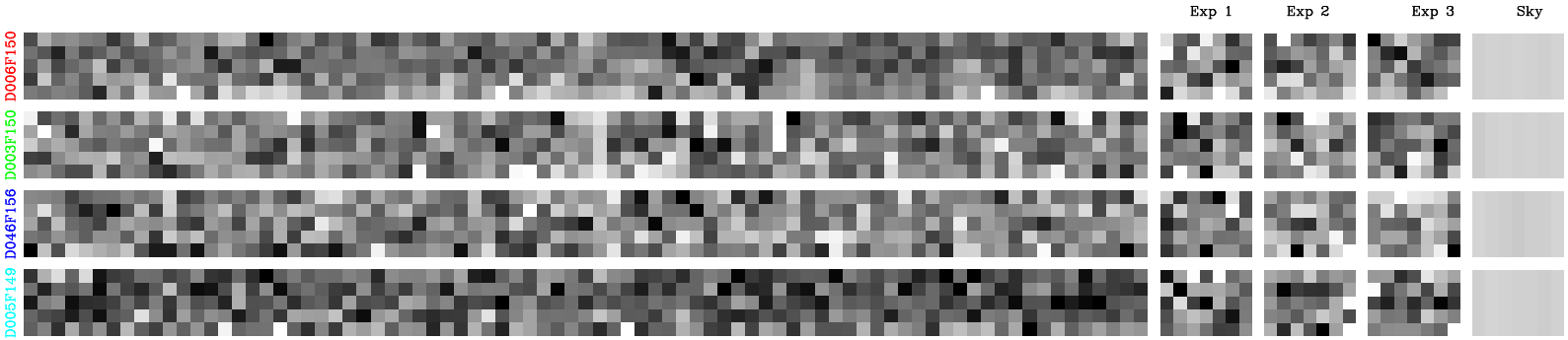
$FWHM_{obs} = 11.54Å$

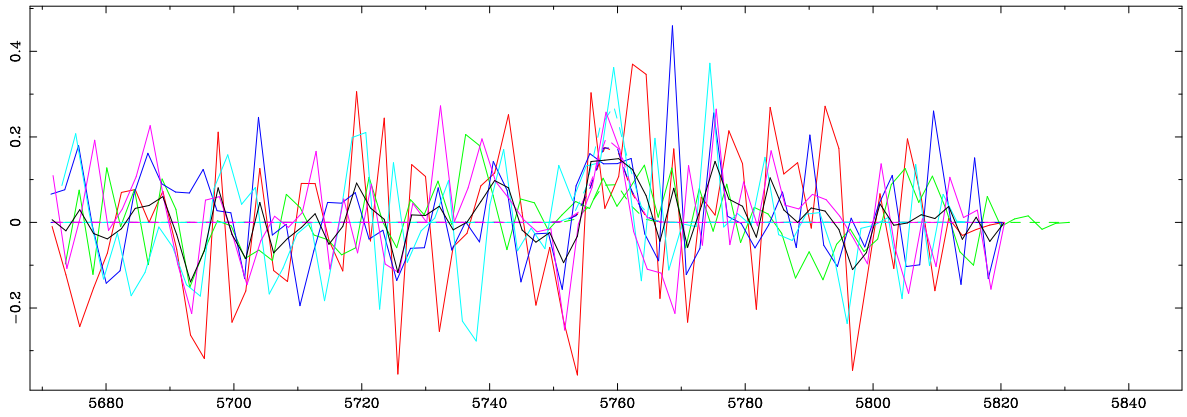
$\lambda_{obs} = 5444.63Å$

$EW_{obs} > 68.29Å$

$\alpha_{2000} = 189.2275°$

$\delta_{2000} = 62.2092°$





$S/N = 5.55$

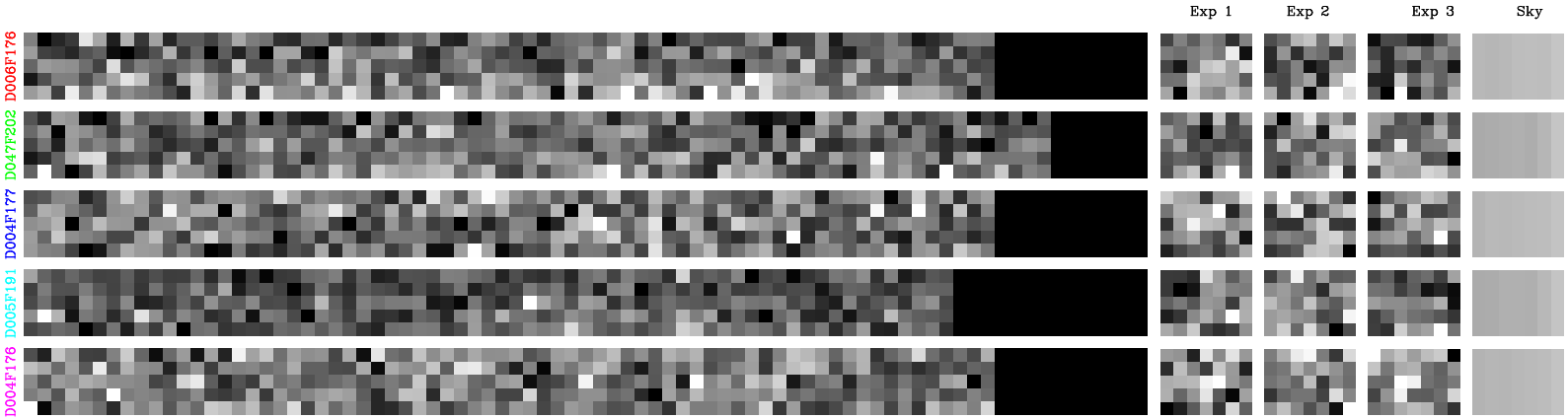
$FWHM_{obs} = 5.67Å$

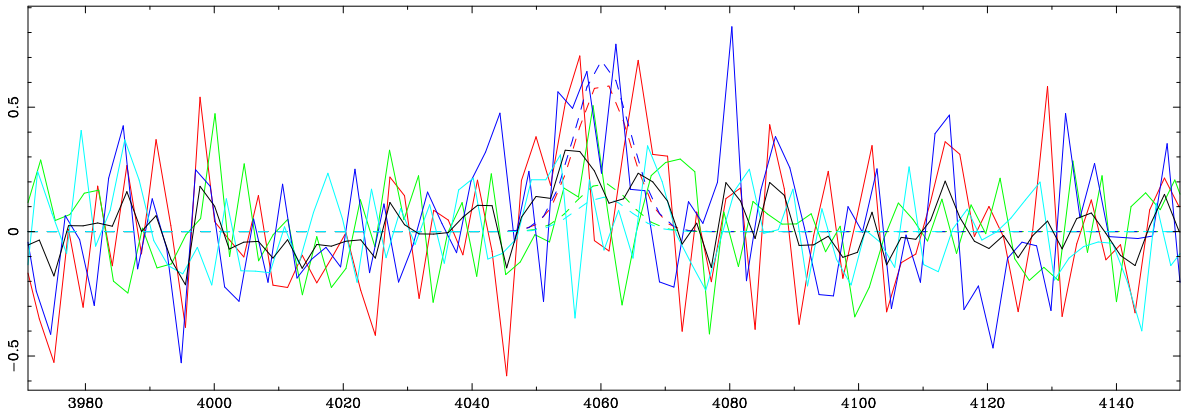
$\lambda_{obs} = 5758.89Å$

$EW_{obs} > 45.40Å$

$\alpha_{2000} = 189.2388°$

$\delta_{2000} = 62.2051°$





$S/N = 5.30$

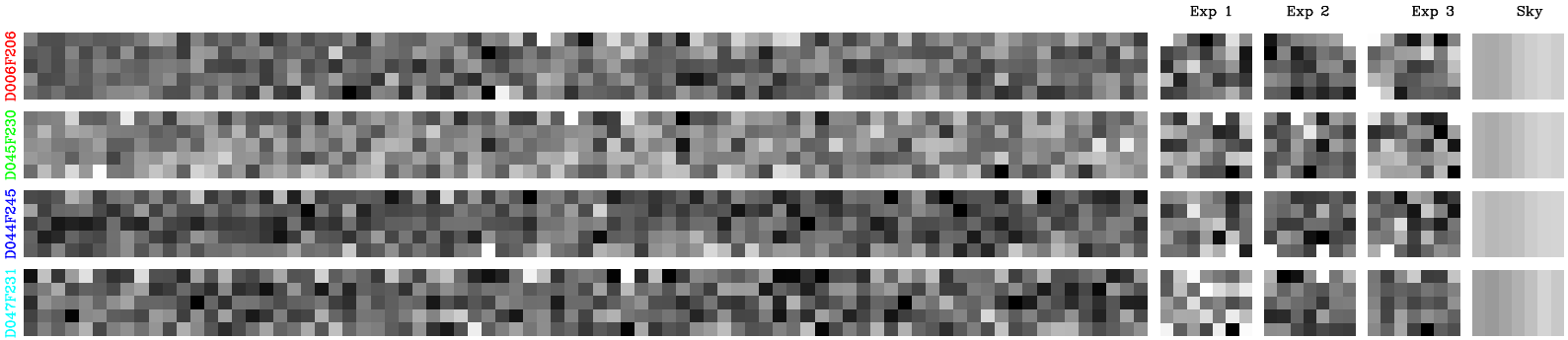
$FWHM_{obs} = 9.82Å$

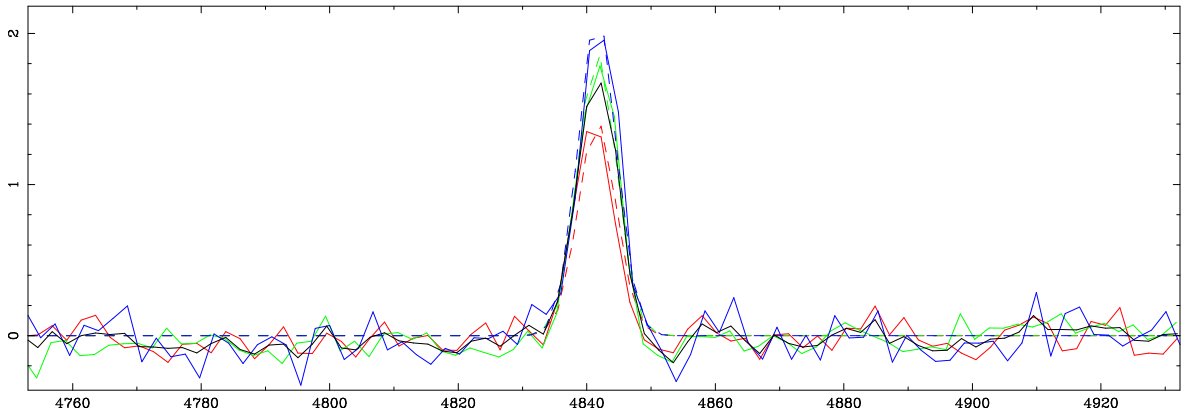
$\lambda_{obs} = 4060.25Å$

$EW_{obs} > 72.13Å$

$\alpha_{2000} = 189.2349°$

$\delta_{2000} = 62.2003°$





S/N = 35.47

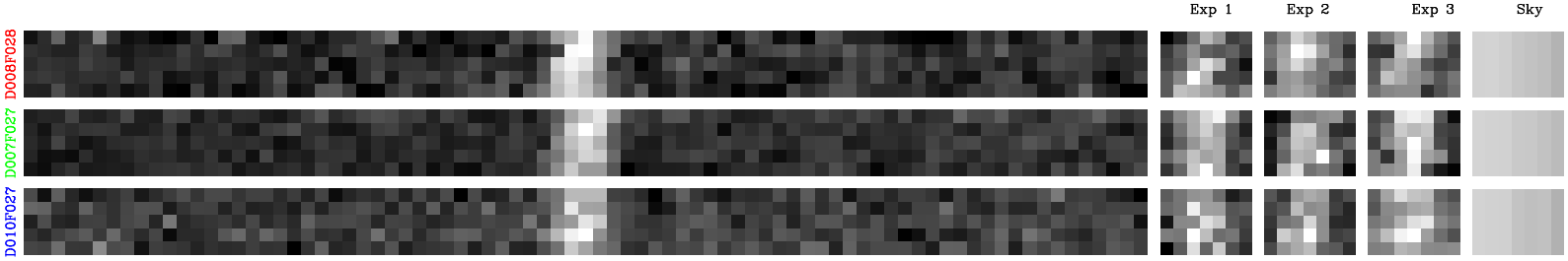
$FWHM_{obs}$ = 6.99Å

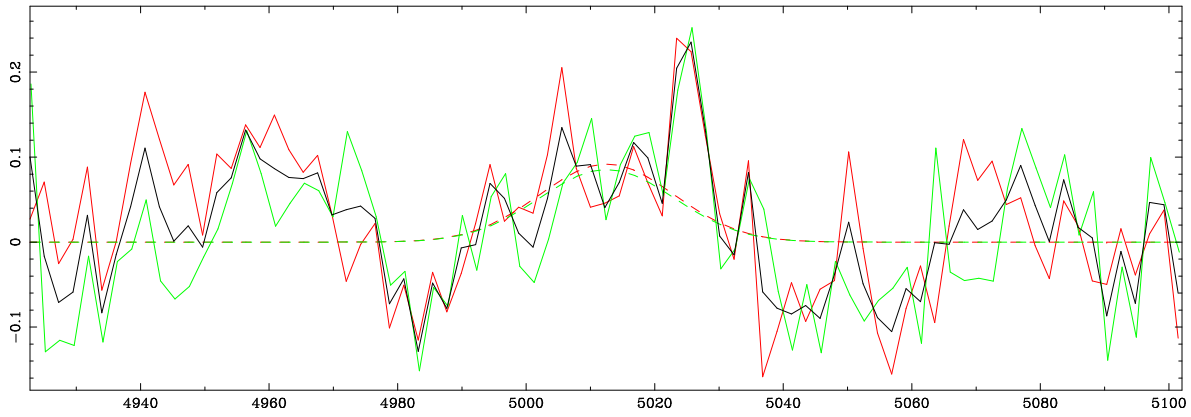
λ_{obs} = 4841.61Å

EW_{obs} = 40.56Å

α_{2000} = 189.2987°

δ_{2000} = 62.2540°





S/N = 5.69

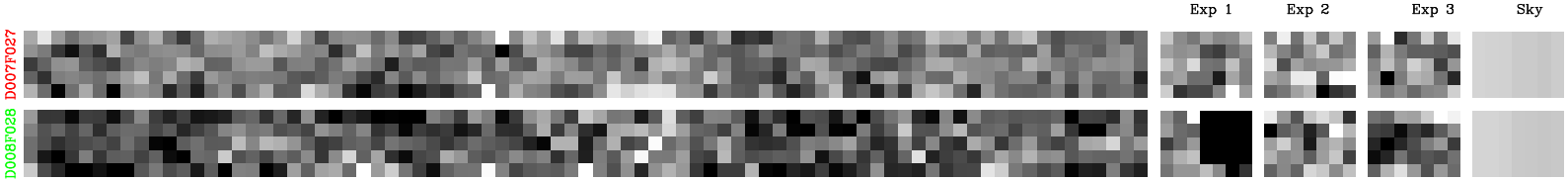
$FWHM_{obs}$ = 24.65Å

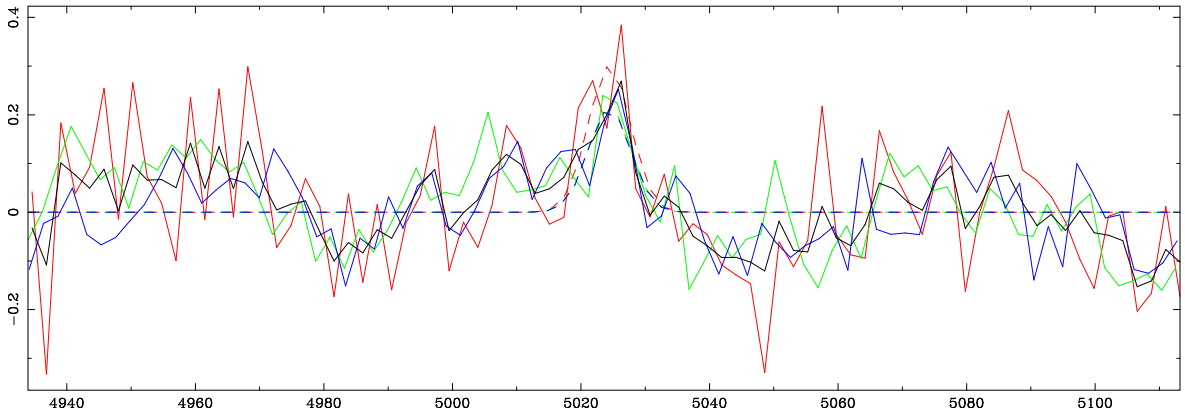
λ_{obs} = 5012.56Å

EW_{obs} = 9.95Å

α_{2000} = 189.2990°

δ_{2000} = 62.2541°





S/N = 6.33

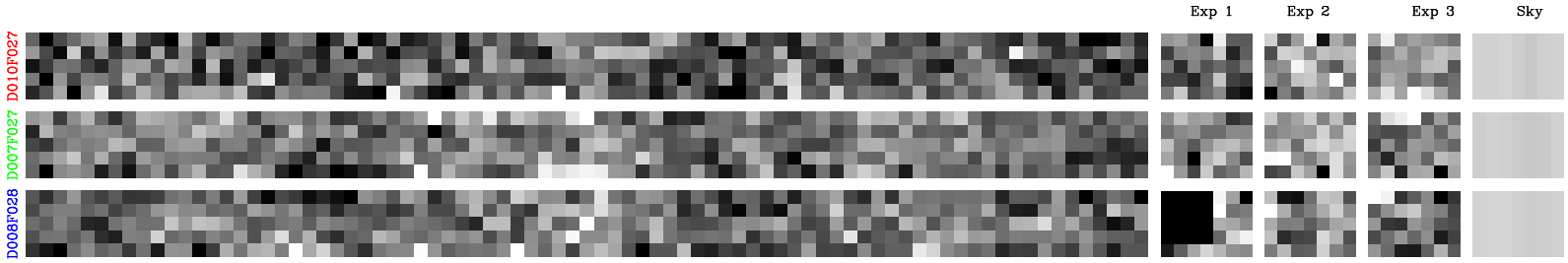
$FWHM_{obs}$ = 7.74Å

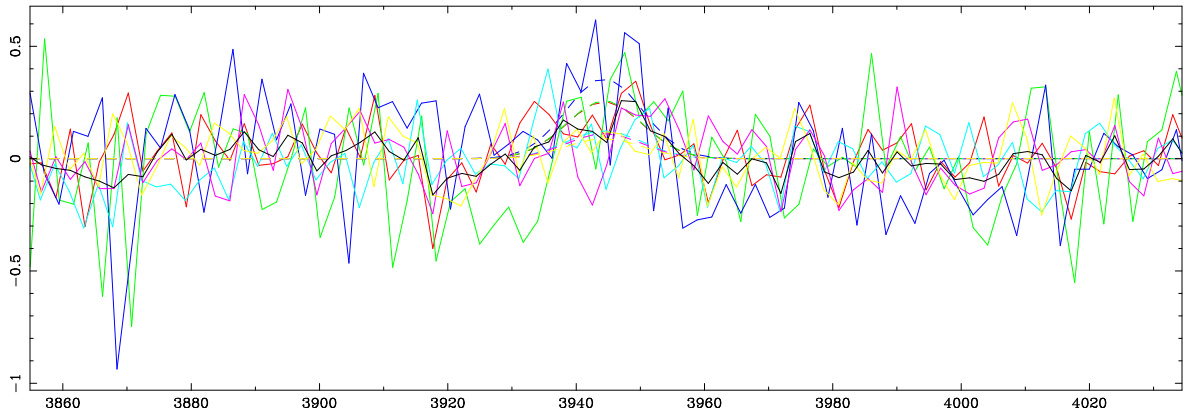
λ_{obs} = 5024.42Å

EW_{obs} = 5.26Å

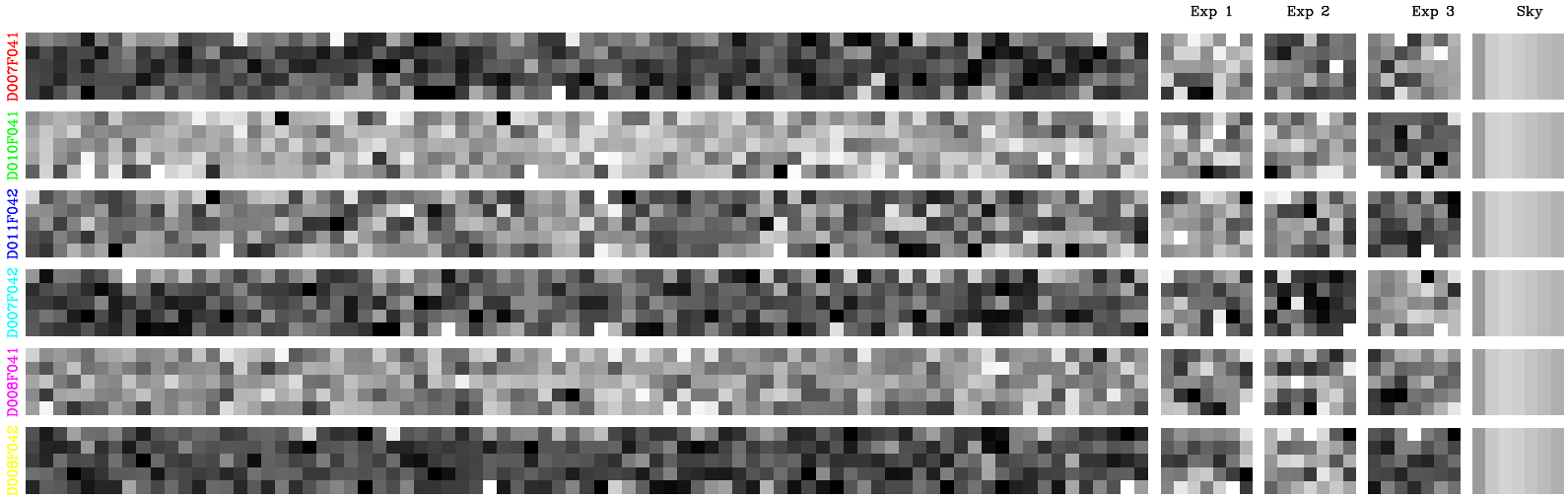
α_{2000} = 189.2988°

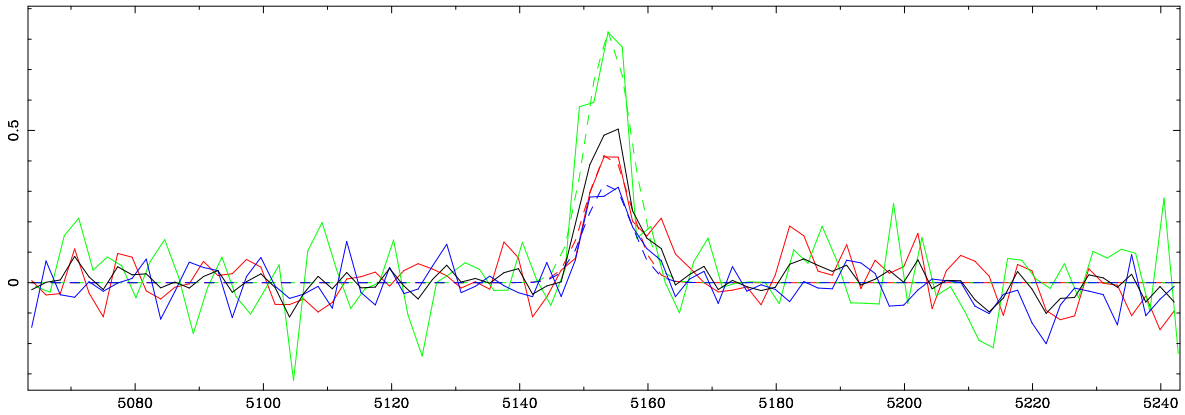
δ_{2000} = 62.2540°





S/N = 5.32
$FWHM_{obs}$ = 13.94Å
λ_{obs} = 3944.39Å
EW_{obs} > 73.94Å
α_{2000} = 189.2971°
δ_{2000} = 62.2524°





S/N = 14.04

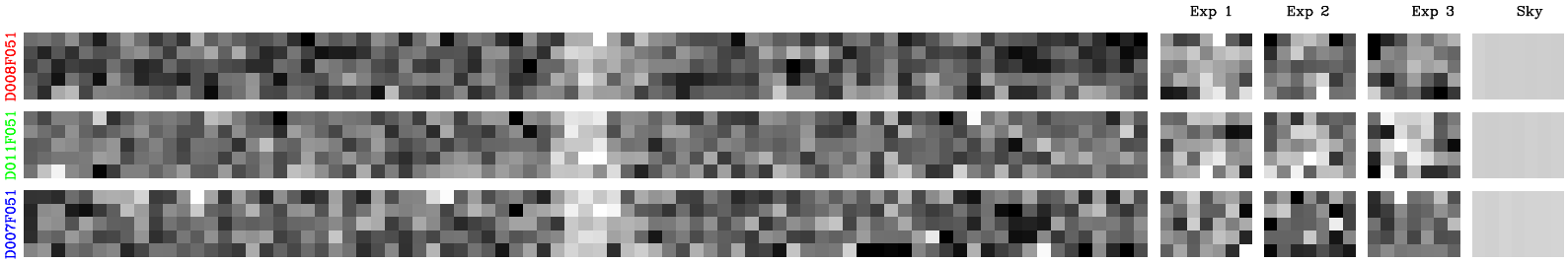
$FWHM_{obs}$ = 8.12Å

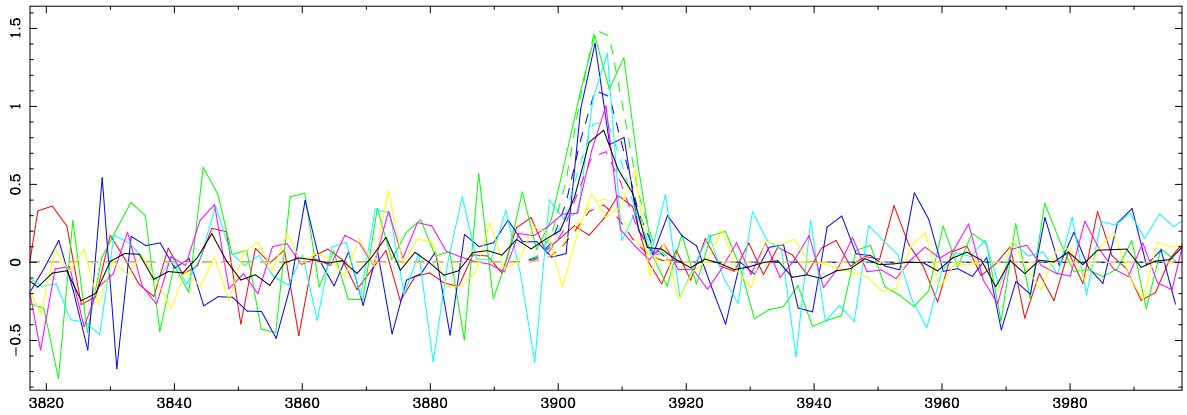
λ_{obs} = 5153.84Å

EW_{obs} > 176.67Å

α_{2000} = 189.2745°

δ_{2000} = 62.2508°





$S/N = 12.37$

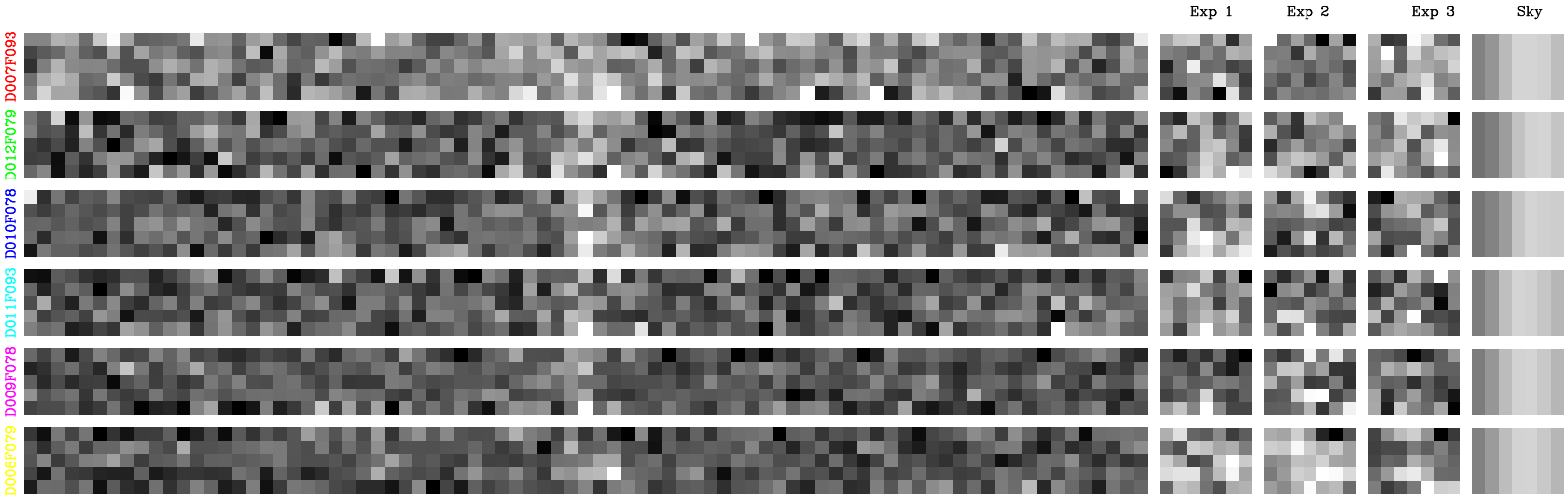
$FWHM_{obs} = 8.70Å$

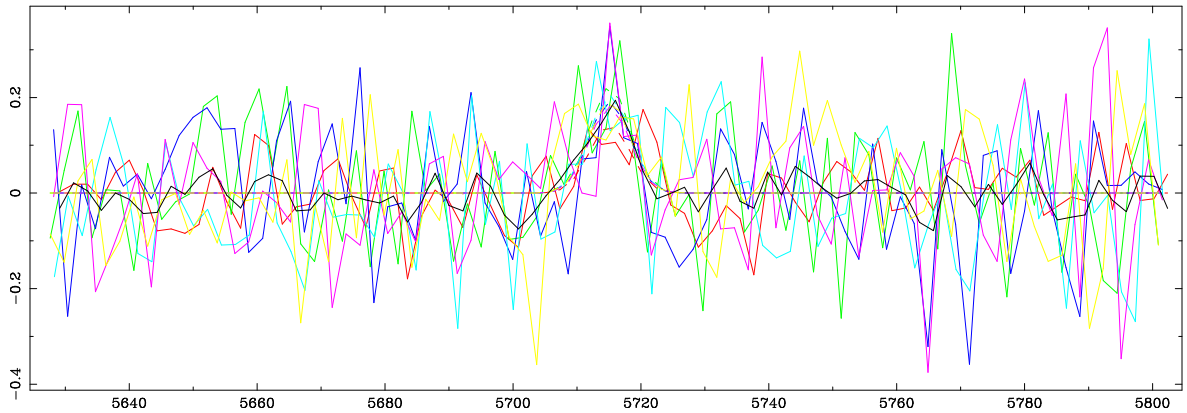
$\lambda_{obs} = 3906.67Å$

$EW_{obs} > 143.47Å$

$\alpha_{2000} = 189.2685°$

$\delta_{2000} = 62.2463°$





S/N = 6.17

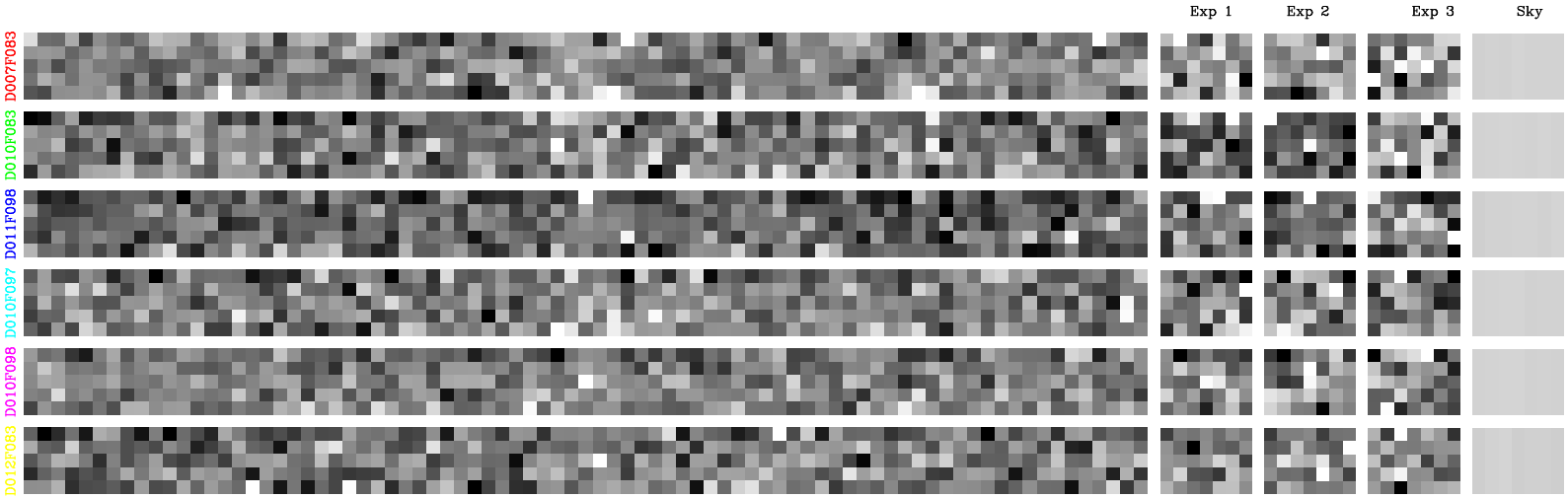
$FWHM_{obs}$ = 7.49Å

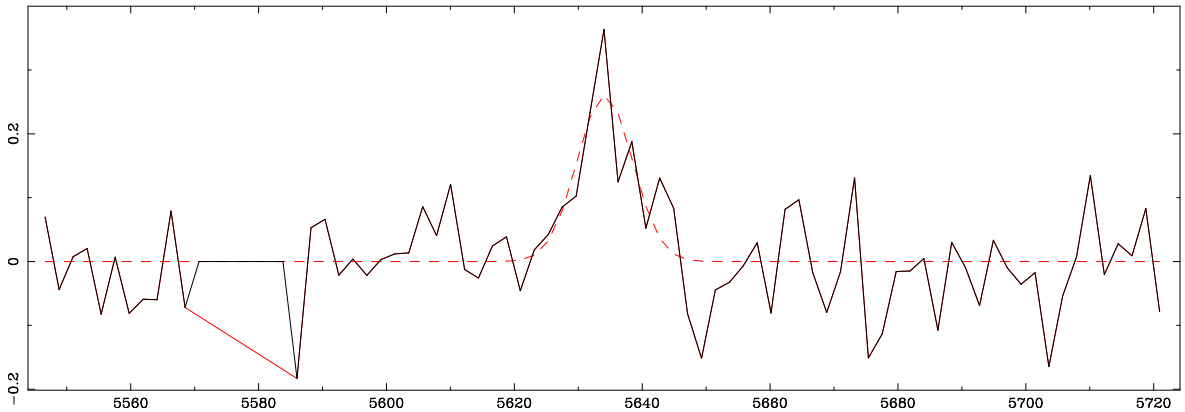
λ_{obs} = 5715.14Å

EW_{obs} > 66.89Å

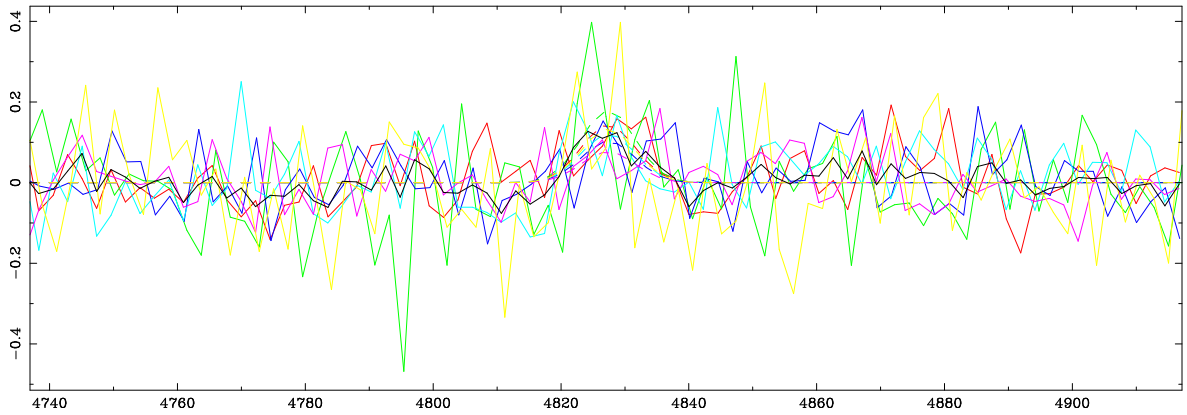
α_{2000} = 189.2891°

δ_{2000} = 62.2459°





S/N = 5.60
$FWHM_{obs}$ = 10.18Å
λ_{obs} = 5634.16Å
EW_{obs} = 20.32Å
α_{2000} = 189.2450°
δ_{2000} = 62.2440°



$S/N = 5.37$

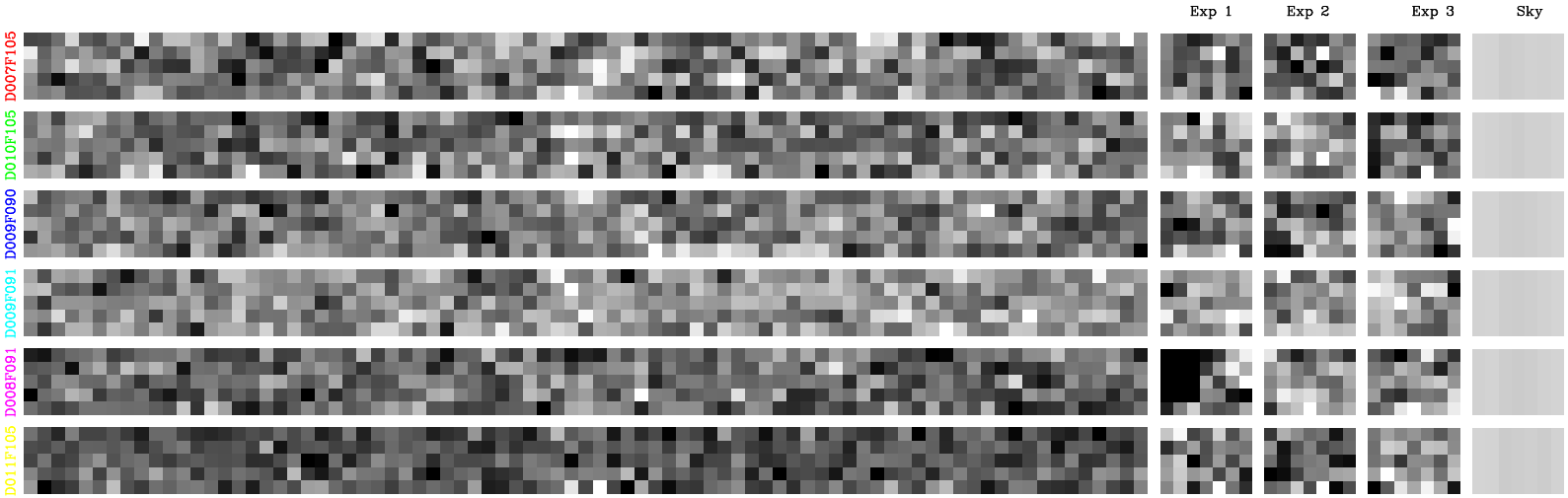
$FWHM_{obs} = 9.91$Å

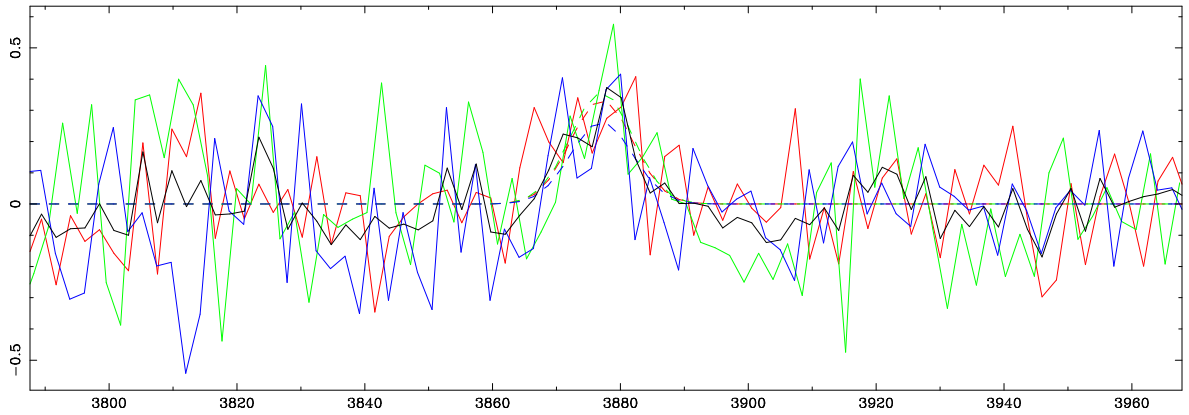
$\lambda_{obs} = 4827.39$Å

$EW_{obs} > 72.77$Å

$\alpha_{2000} = 189.2581°$

$\delta_{2000} = 62.2441°$





$S/N = 5.21$

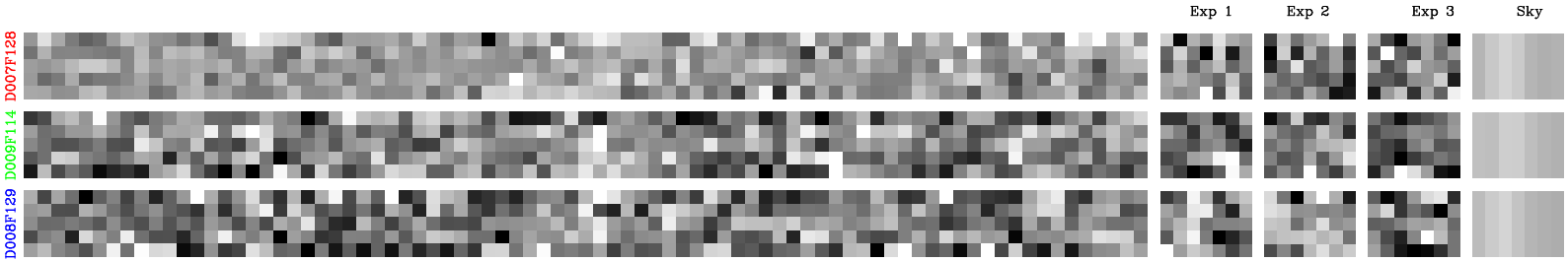
$FWHM_{obs} = 11.41Å$

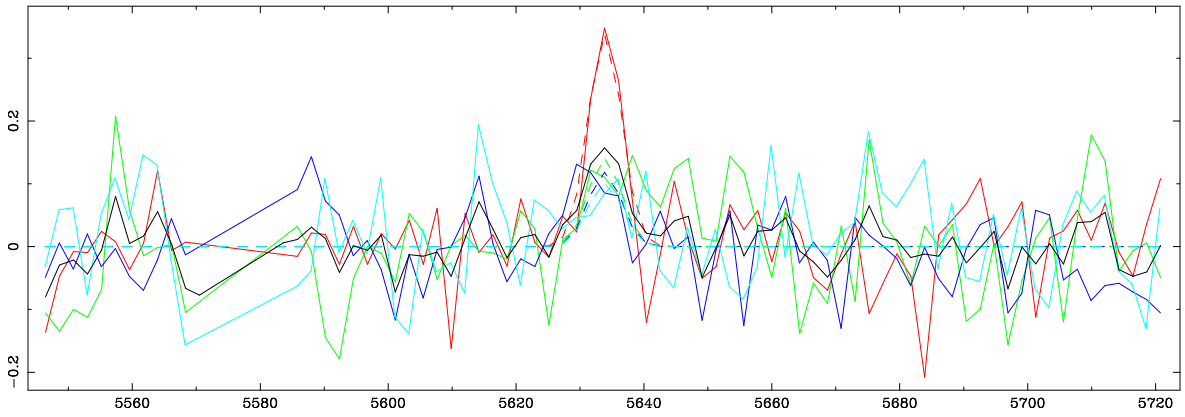
$\lambda_{obs} = 3877.06Å$

$EW_{obs} > 57.38Å$

$\alpha_{2000} = 189.2968°$

$\delta_{2000} = 62.2420°$





S/N = 5.90

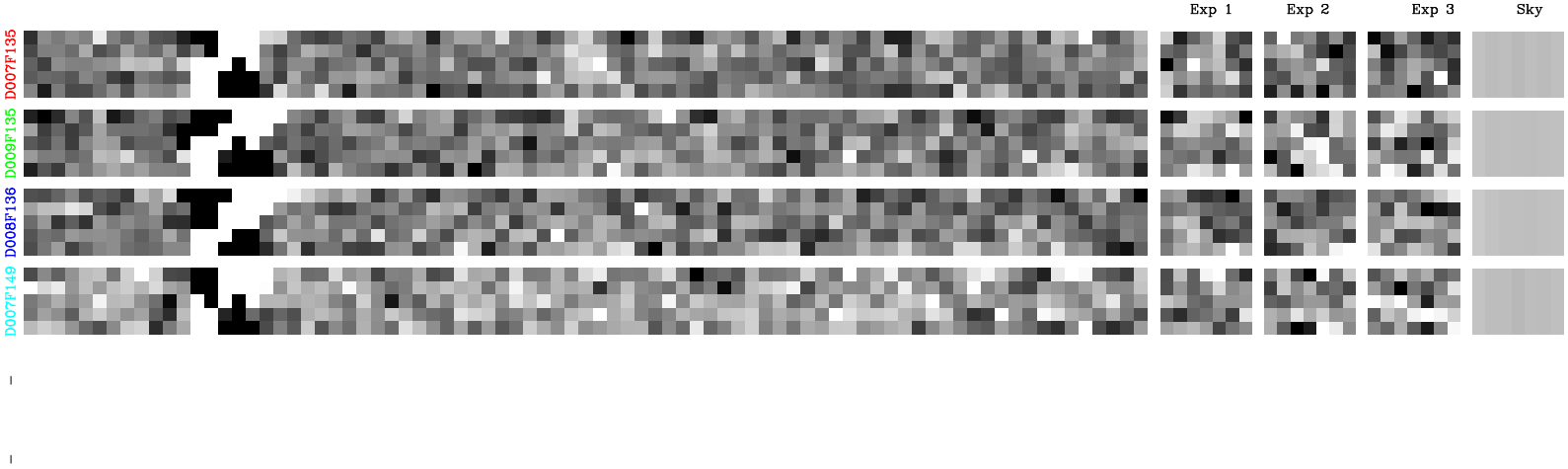
$FWHM_{obs}$ = 6.18Å

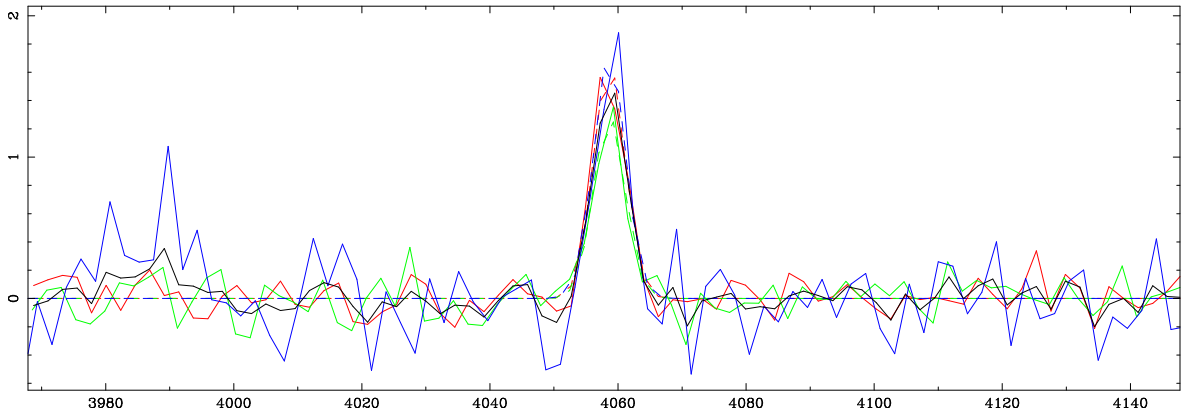
λ_{obs} = 5633.88Å

EW_{obs} = 15.48Å

α_{2000} = 189.2625°

δ_{2000} = 62.2398°





$S/N = 16.97$

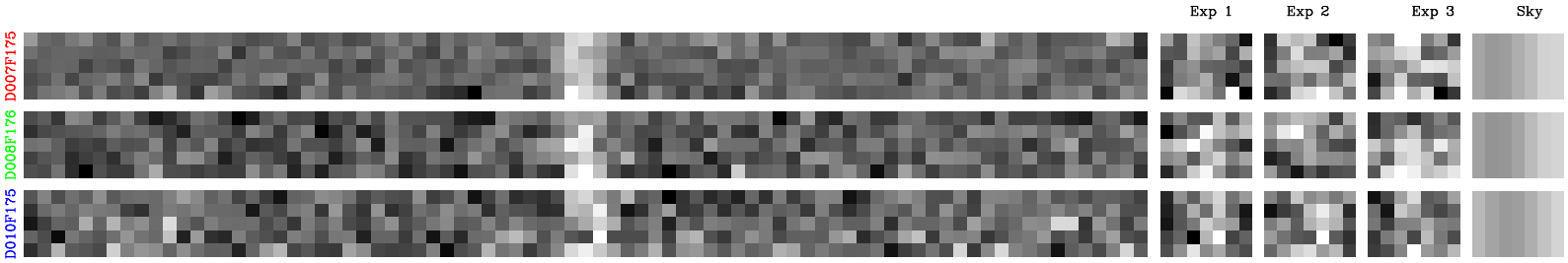
$FWHM_{obs} = 5.83Å$

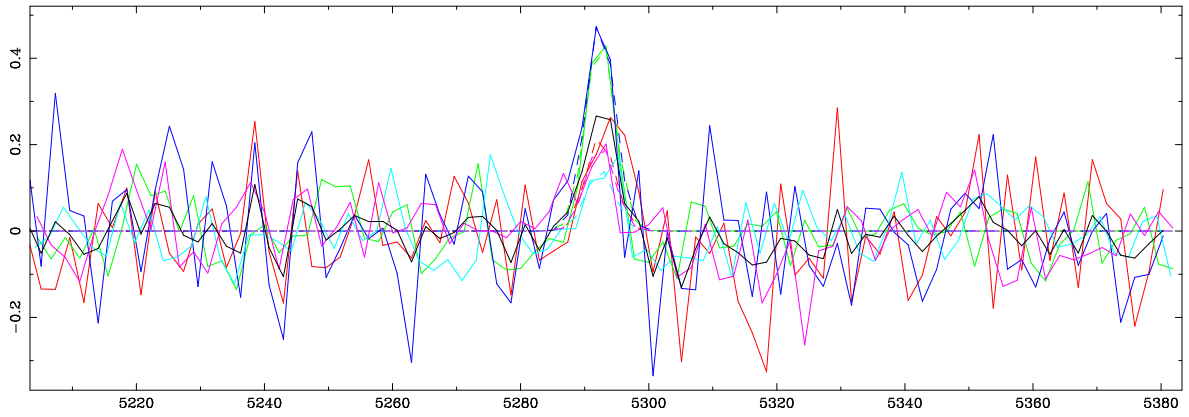
$\lambda_{obs} = 4058.65Å$

$EW_{obs} = 21.55Å$

$\alpha_{2000} = 189.2478°$

$\delta_{2000} = 62.2347°$





$S/N = 8.28$

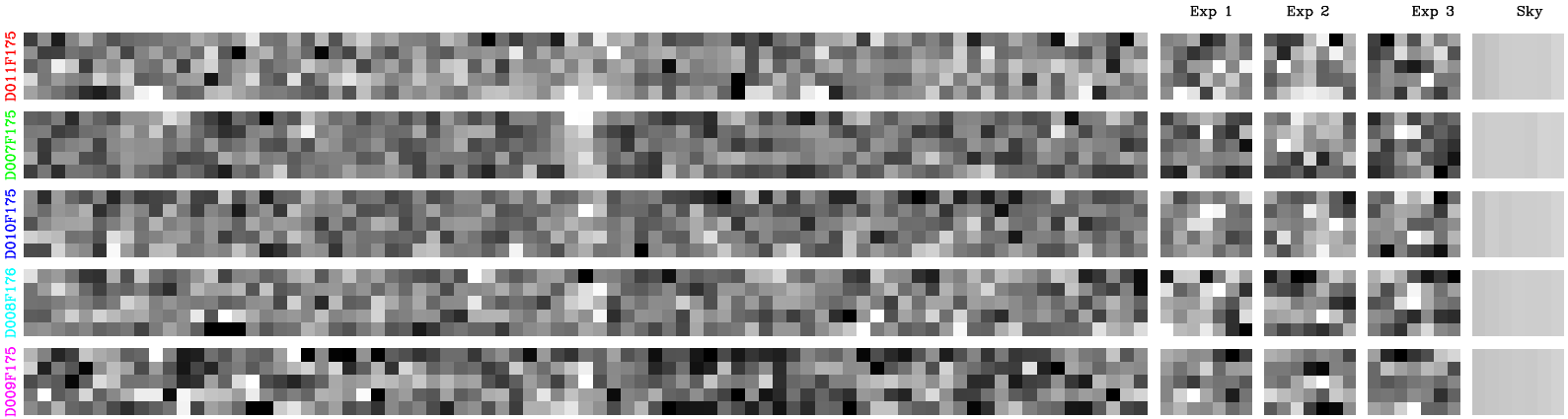
$FWHM_{obs} = 5.26Å$

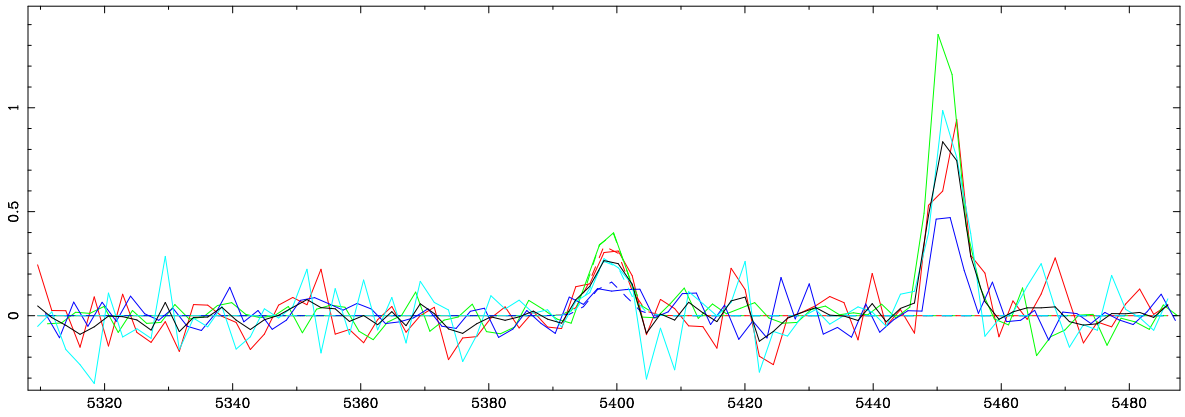
$\lambda_{obs} = 5292.44Å$

$EW_{obs} = 5.12Å$

$\alpha_{2000} = 189.2472°$

$\delta_{2000} = 62.2347°$





S/N = 8.11

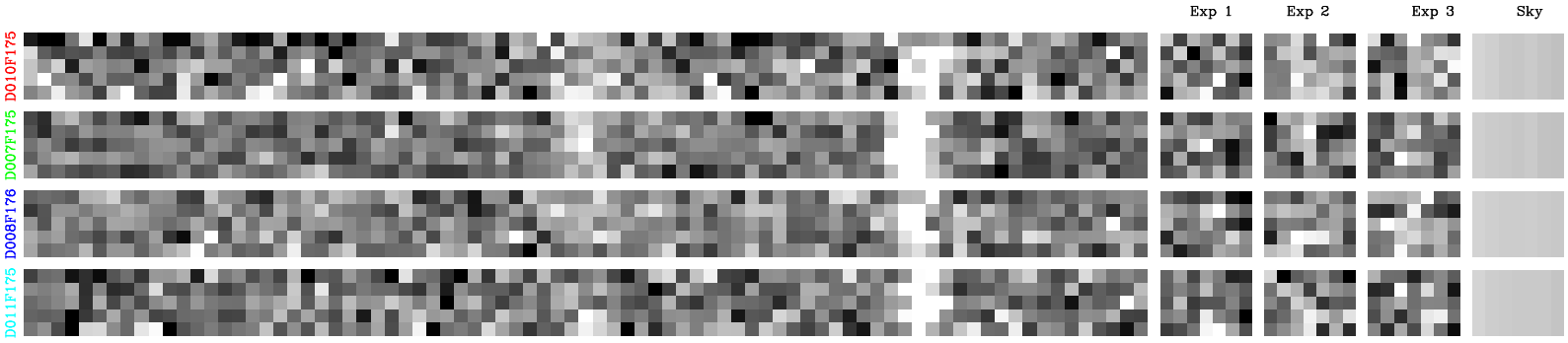
$FWHM_{obs}$ = 5.80Å

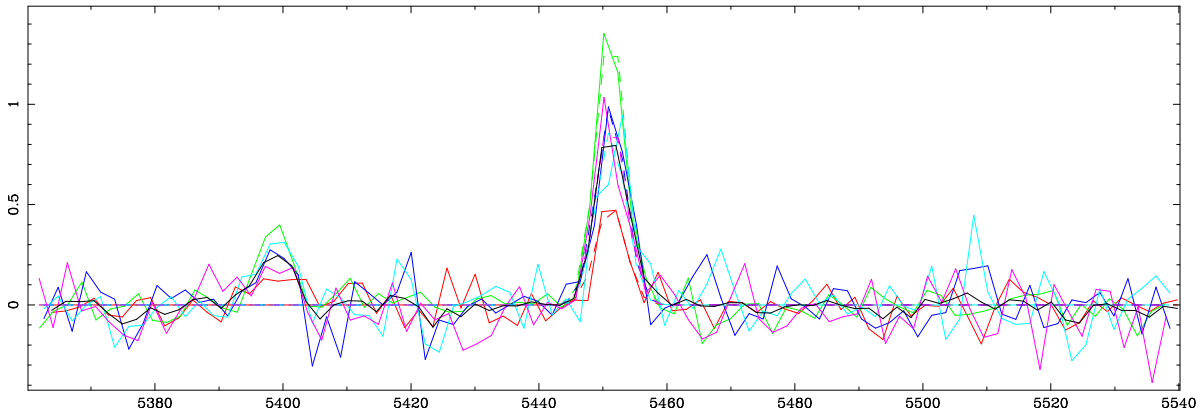
λ_{obs} = 5398.77Å

EW_{obs} = 4.84Å

α_{2000} = 189.2471°

δ_{2000} = 62.2349°





S/N = 23.02

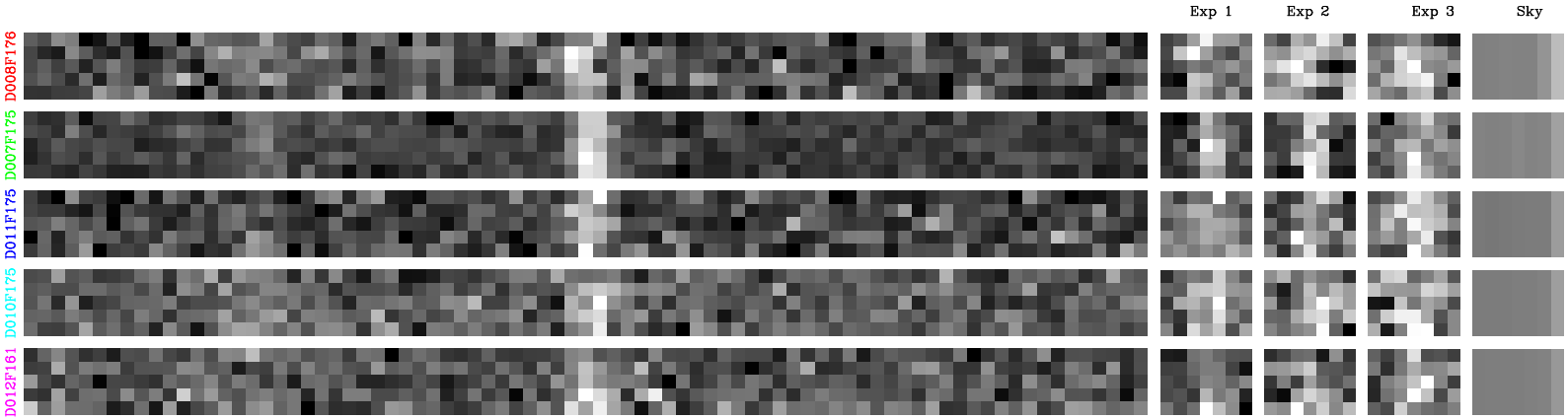
$FWHM_{obs}$ = 5.41Å

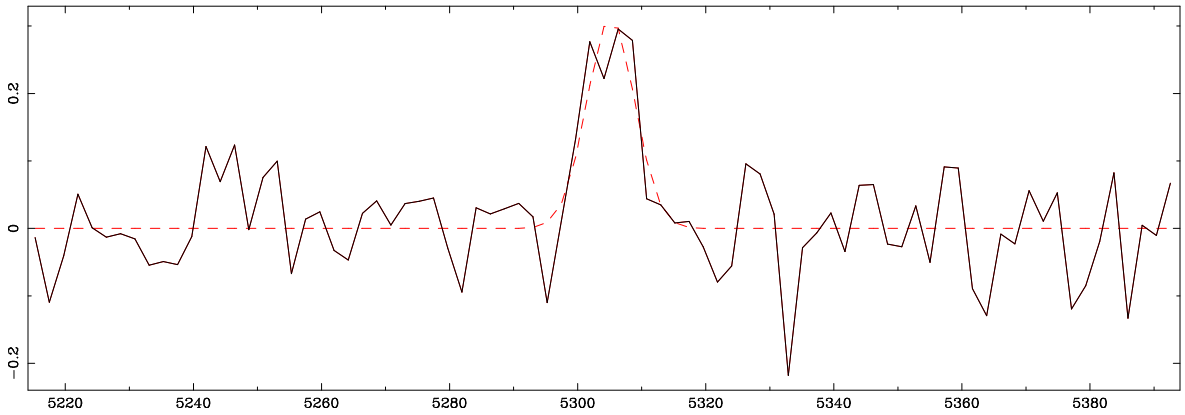
λ_{obs} = 5451.24Å

EW_{obs} = 17.04Å

α_{2000} = 189.2472°

δ_{2000} = 62.2351°





S/N = 6.22

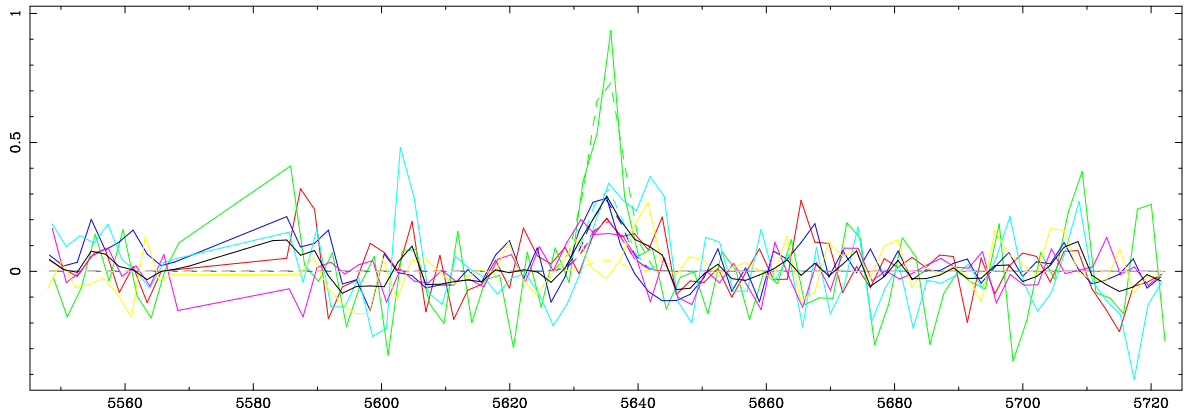
$FWHM_{obs}$ = 8.77Å

λ_{obs} = 5305.17Å

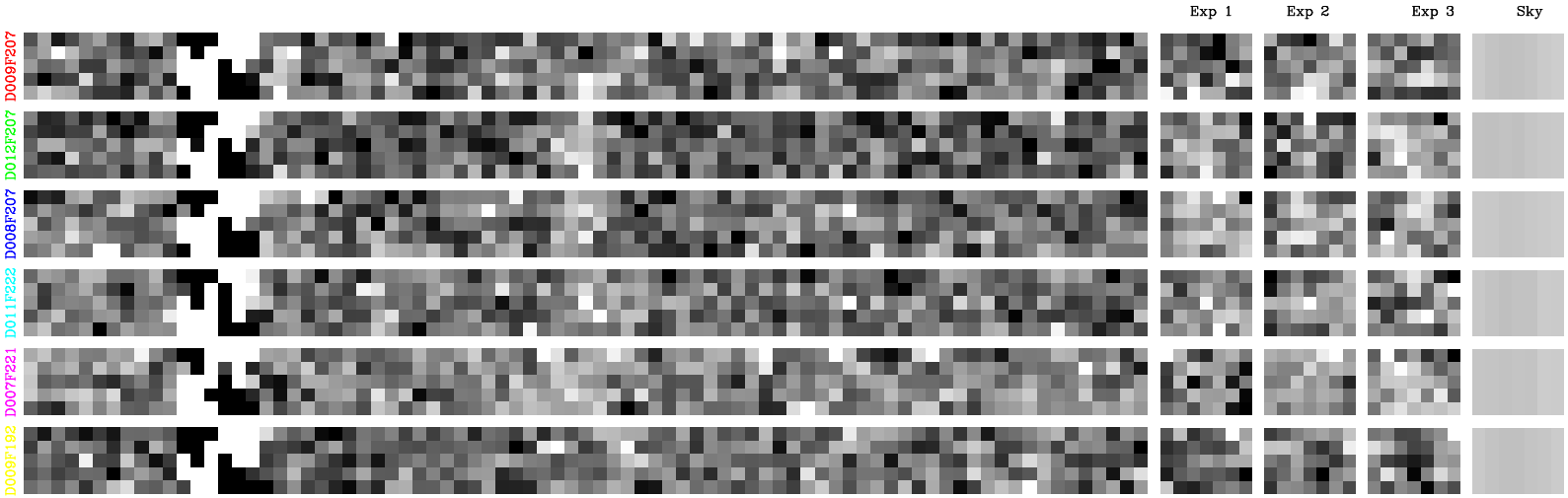
EW_{obs} = 15.57Å

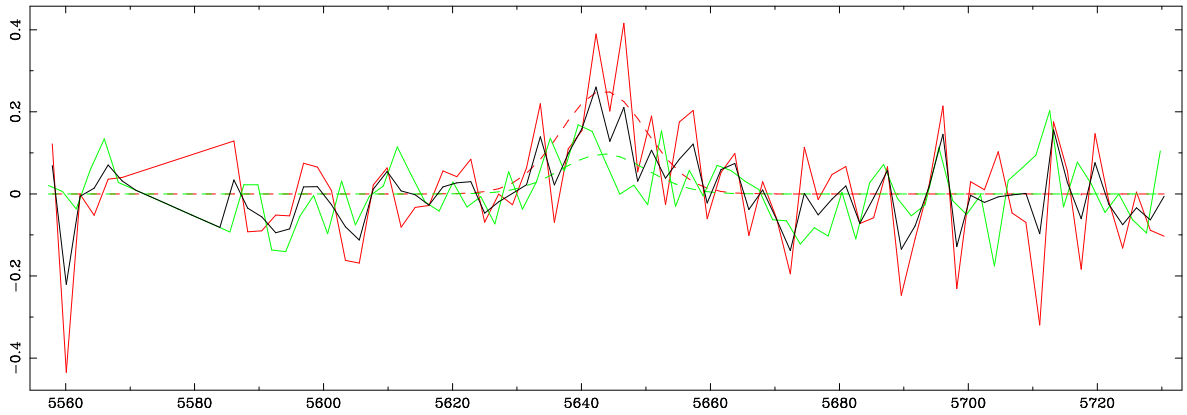
α_{2000} = 189.2514°

δ_{2000} = 62.2351°

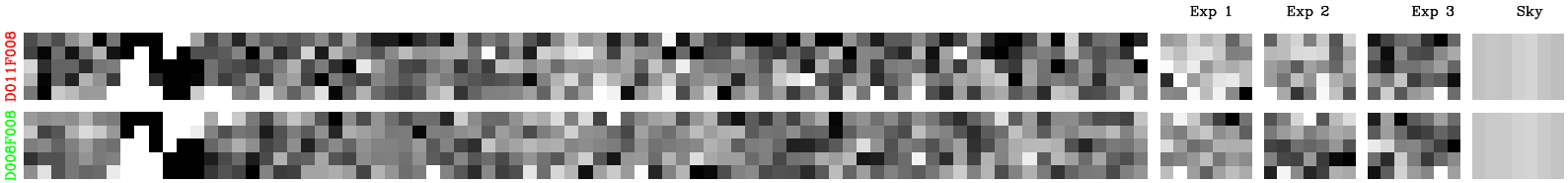


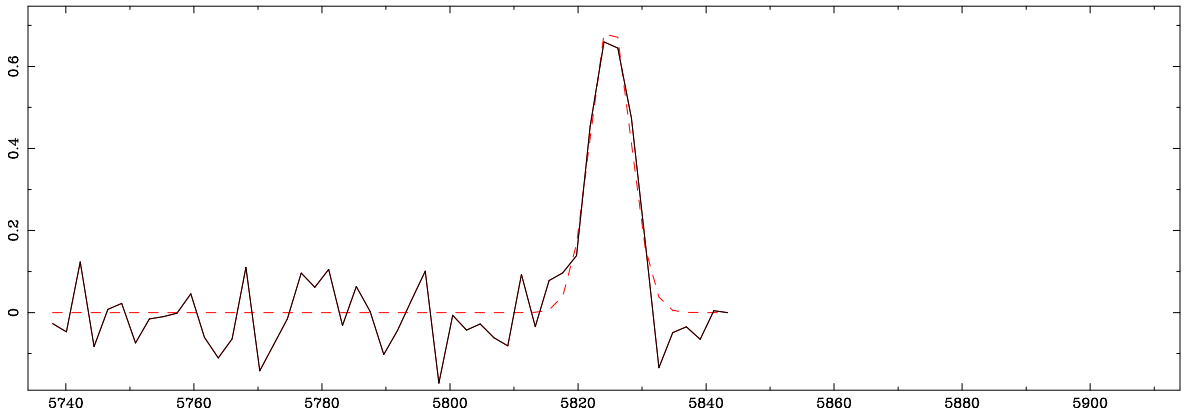
S/N = 10.11
$FWHM_{obs}$ = 6.23Å
λ_{obs} = 5634.98Å
EW_{obs} > 101.40Å
α_{2000} = 189.2588°
δ_{2000} = 62.2303°



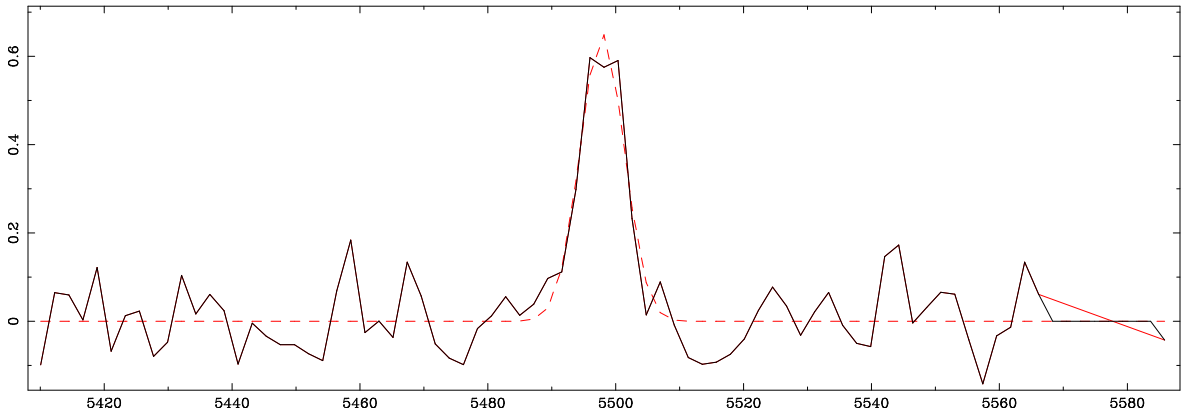


S/N = 5.33
$FWHM_{obs}$ = 15.68Å
λ_{obs} = 5643.45Å
EW_{obs} = 61.19Å
α_{2000} = 189.2765°
δ_{2000} = 62.2561°





S/N = 10.98
$FWHM_{obs}$ = 7.33Å
λ_{obs} = 5825.08Å
EW_{obs} = 93.29Å
α_{2000} = 189.2846°
δ_{2000} = 62.2485°



S/N = 12.52

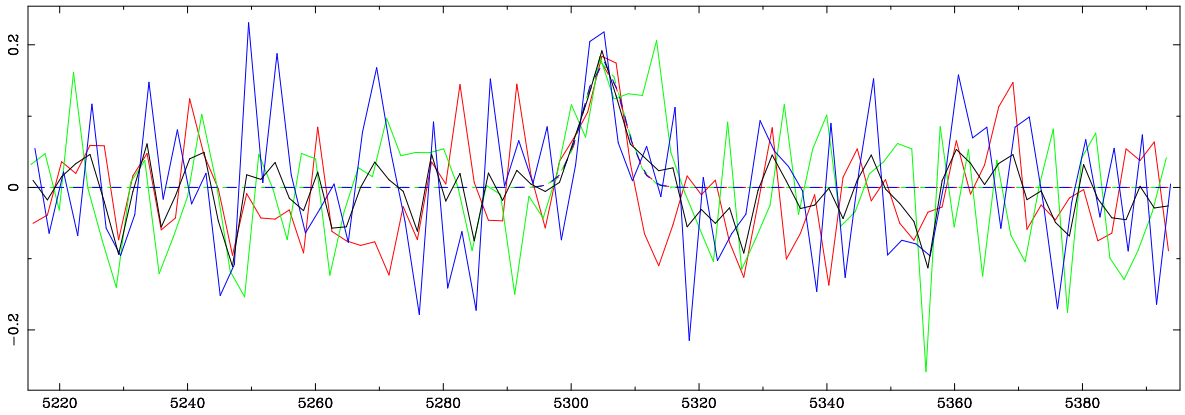
$FWHM_{obs}$ = 8.08Å

λ_{obs} = 5497.88Å

EW_{obs} = 93.72Å

α_{2000} = 189.2670°

δ_{2000} = 62.2451°



$S/N = 5.37$

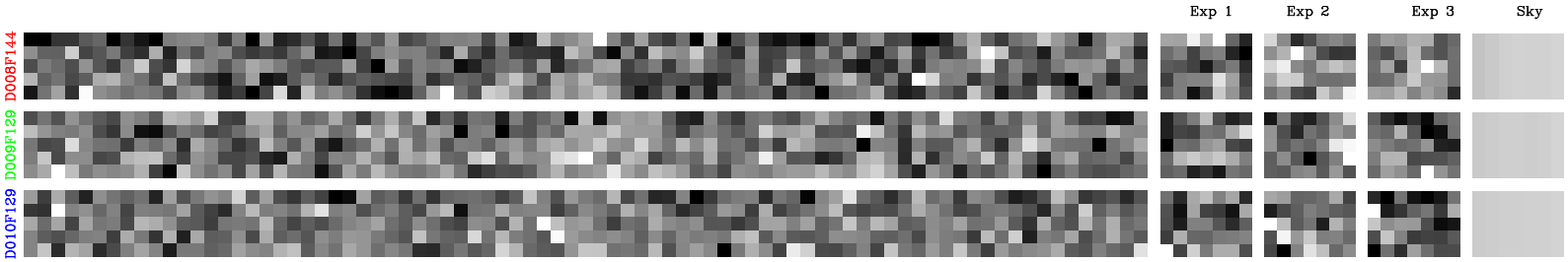
$FWHM_{obs} = 7.34$Å

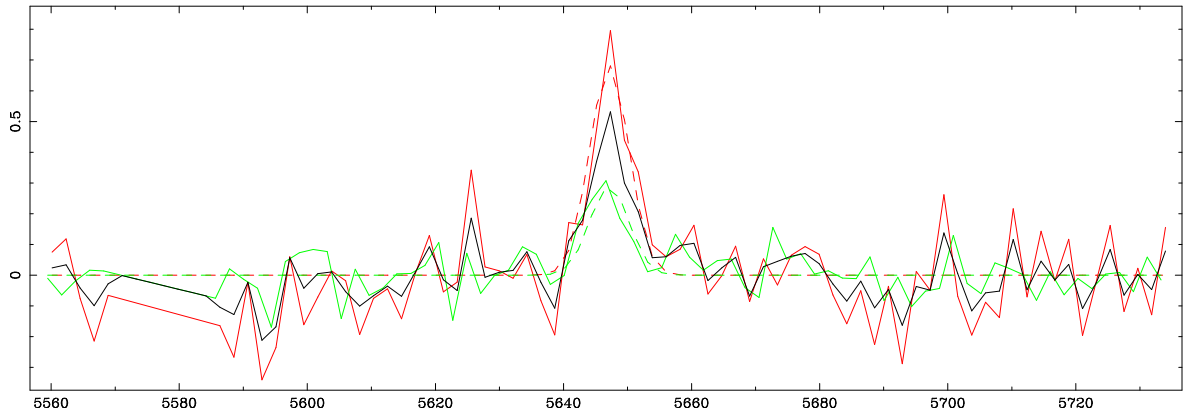
$\lambda_{obs} = 5305.02$Å

$EW_{obs} > 58.60$Å

$\alpha_{2000} = 189.2999°$

$\delta_{2000} = 62.2406°$





$S/N = 9.02$

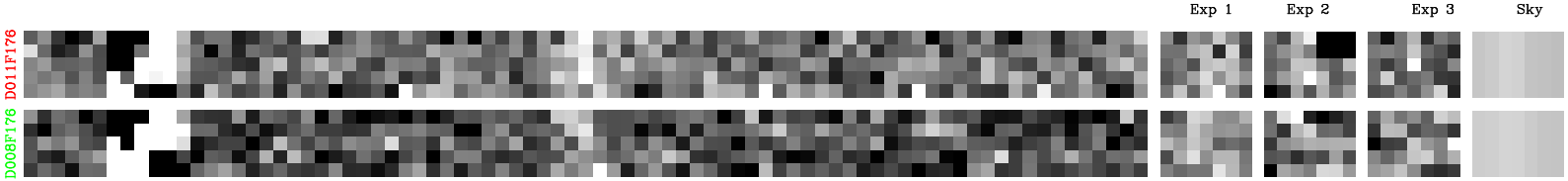
$FWHM_{obs} = 7.21Å$

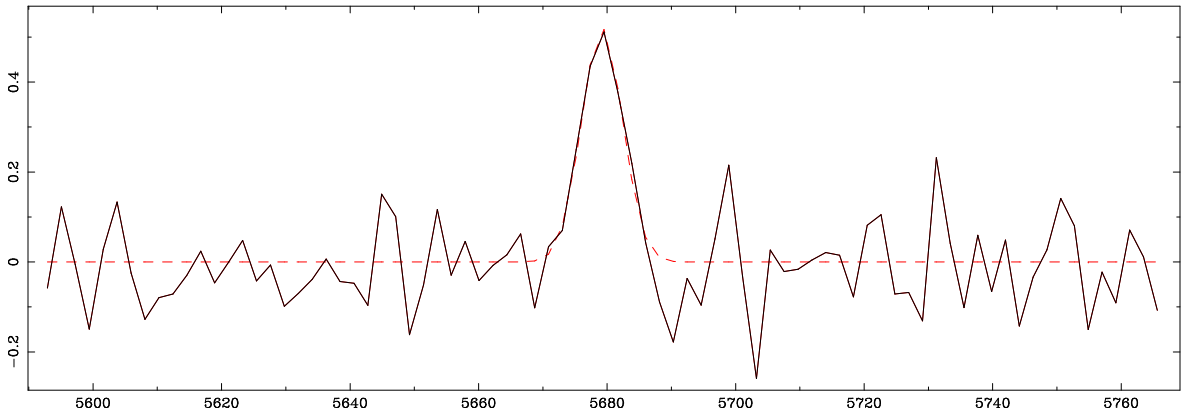
$\lambda_{obs} = 5647.14Å$

$EW_{obs} = 23.40Å$

$\alpha_{2000} = 189.2496°$

$\delta_{2000} = 62.2349°$





S/N = 7.91

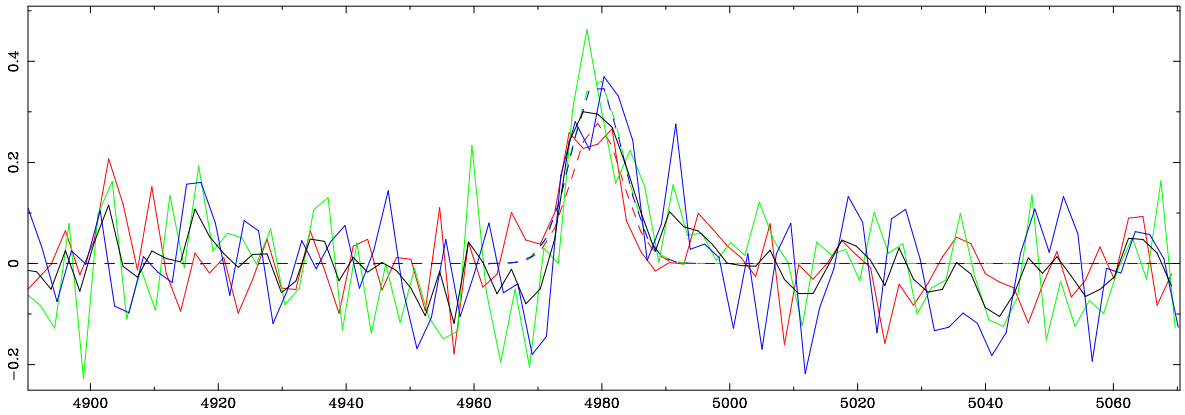
$FWHM_{obs}$ = 7.52Å

λ_{obs} = 5679.22Å

EW_{obs} = 43.00Å

α_{2000} = 189.3067°

δ_{2000} = 62.2532°



S/N = 7.85

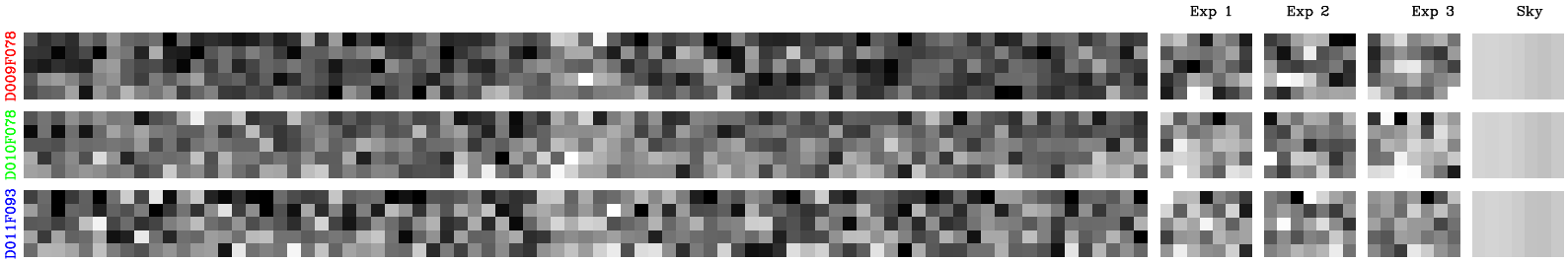
$FWHM_{obs}$ = 9.38Å

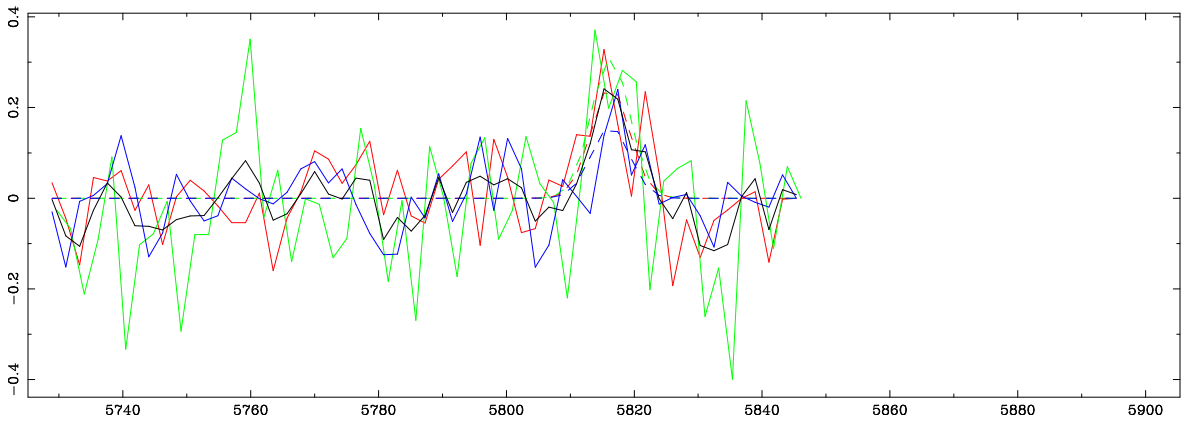
λ_{obs} = 4979.22Å

EW_{obs} > 105.54Å

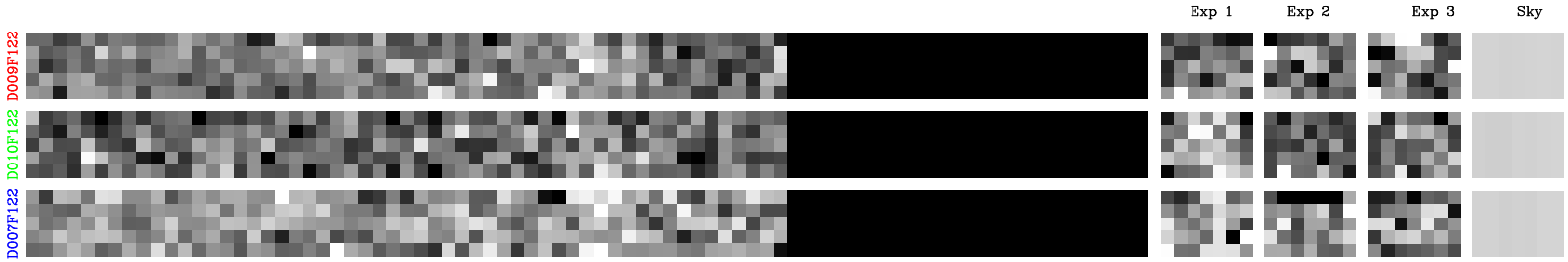
α_{2000} = 189.2675°

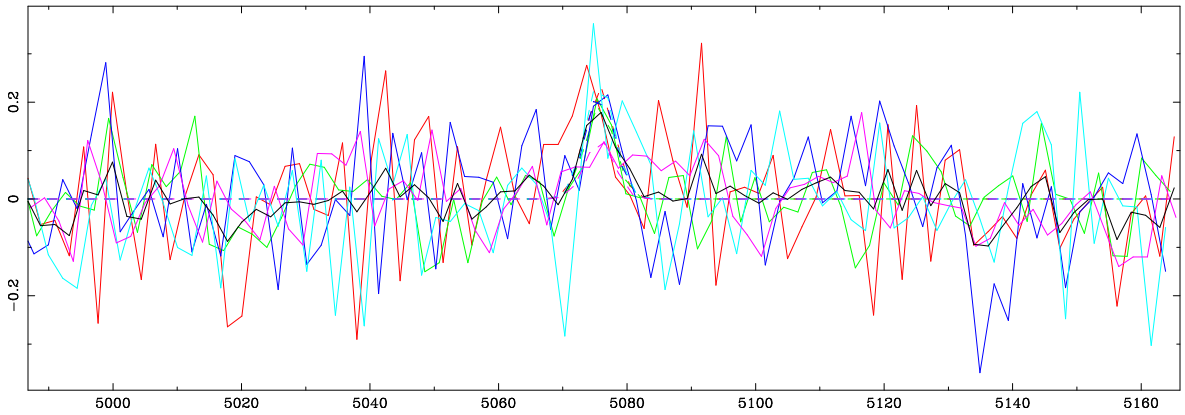
δ_{2000} = 62.2463°





S/N = 6.12
$FWHM_{obs}$ = 7.06Å
λ_{obs} = 5816.27Å
EW_{obs} = 28.44Å
α_{2000} = 189.2694°
δ_{2000} = 62.2414°





$S/N = 5.57$

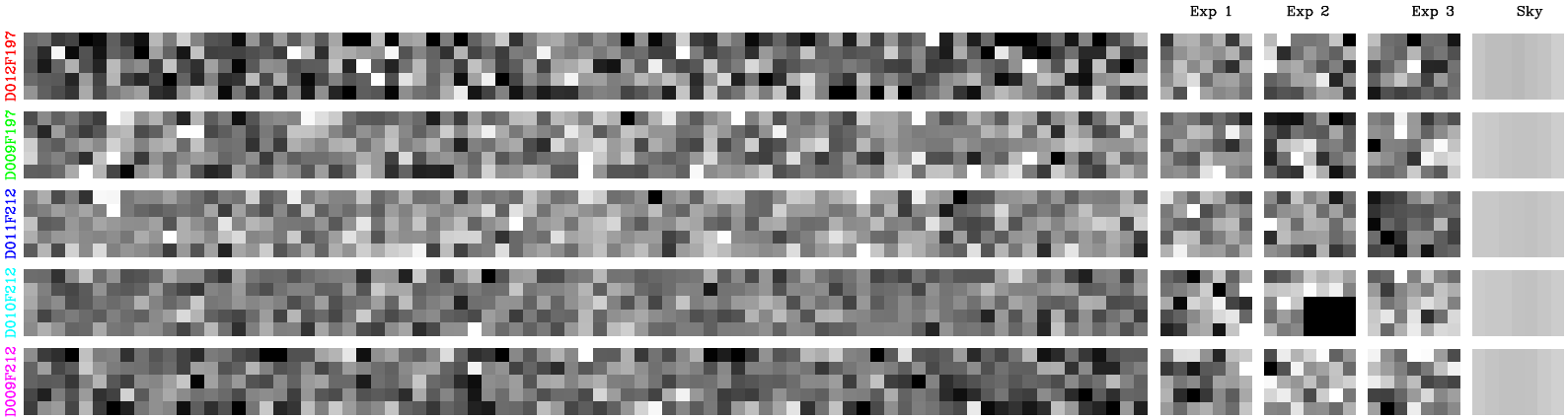
$FWHM_{obs} = 5.31$Å

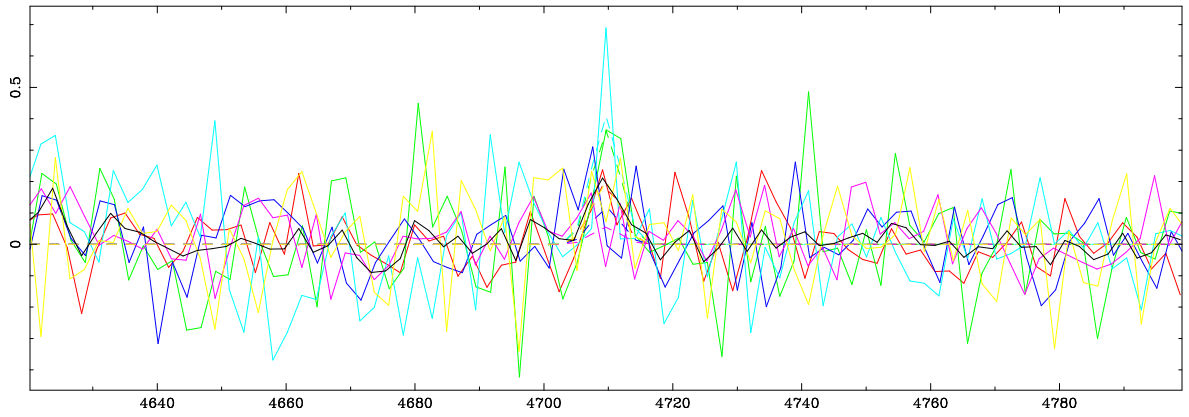
$\lambda_{obs} = 5075.75$Å

$EW_{obs} > 53.86$Å

$\alpha_{2000} = 189.2805°$

$\delta_{2000} = 62.2313°$





S/N = 5.61

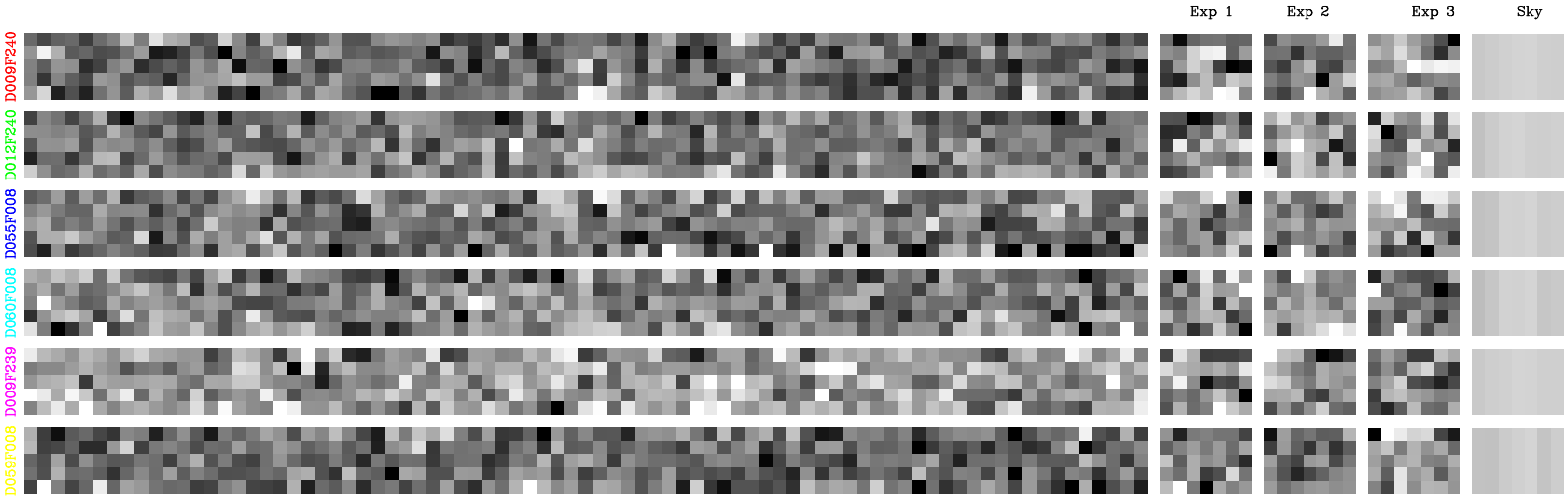
$FWHM_{obs}$ = 5.20Å

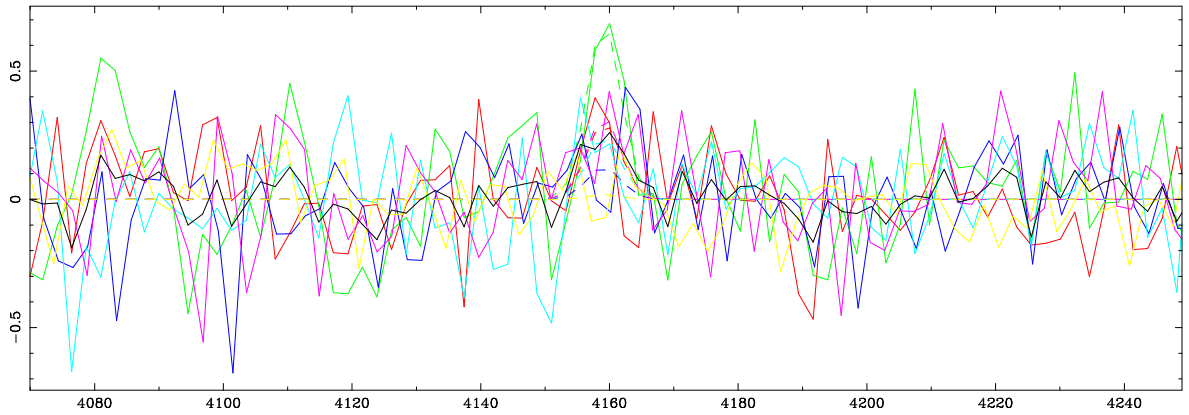
λ_{obs} = 4709.64Å

EW_{obs} > 46.45Å

α_{2000} = 189.2756°

δ_{2000} = 62.2266°





S/N = 5.09

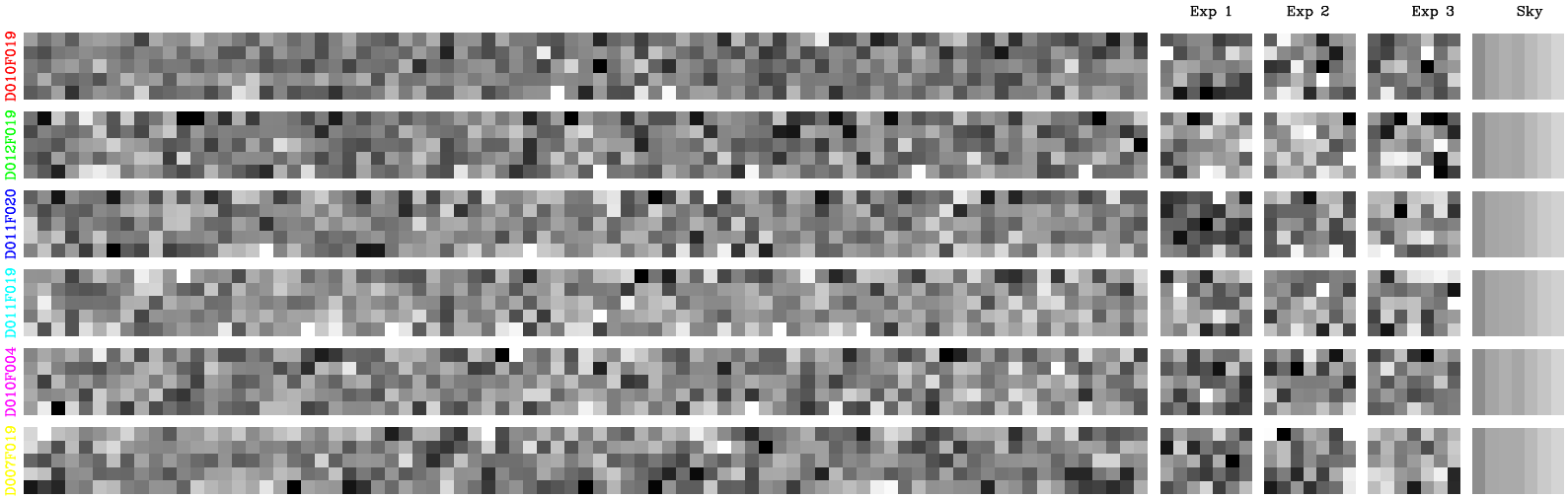
$FWHM_{obs}$ = 6.28Å

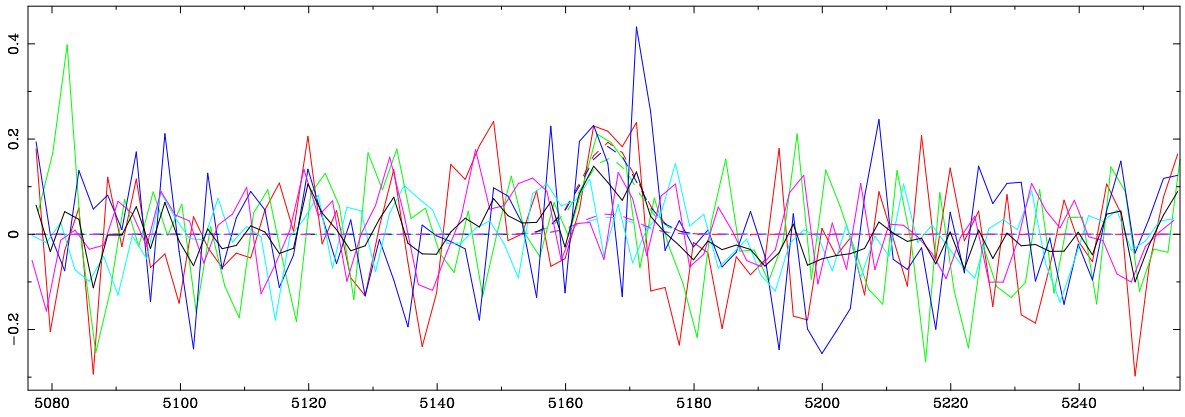
λ_{obs} = 4159.12Å

EW_{obs} > 49.64Å

α_{2000} = 189.2621°

δ_{2000} = 62.2542°





$S/N = 5.15$

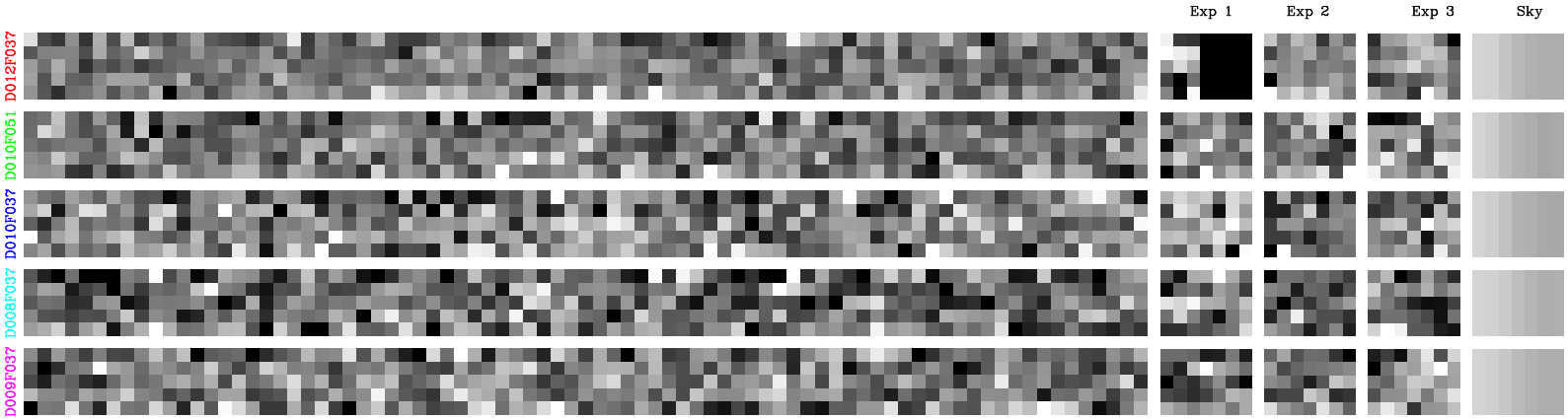
$FWHM_{obs} = 9.97$Å

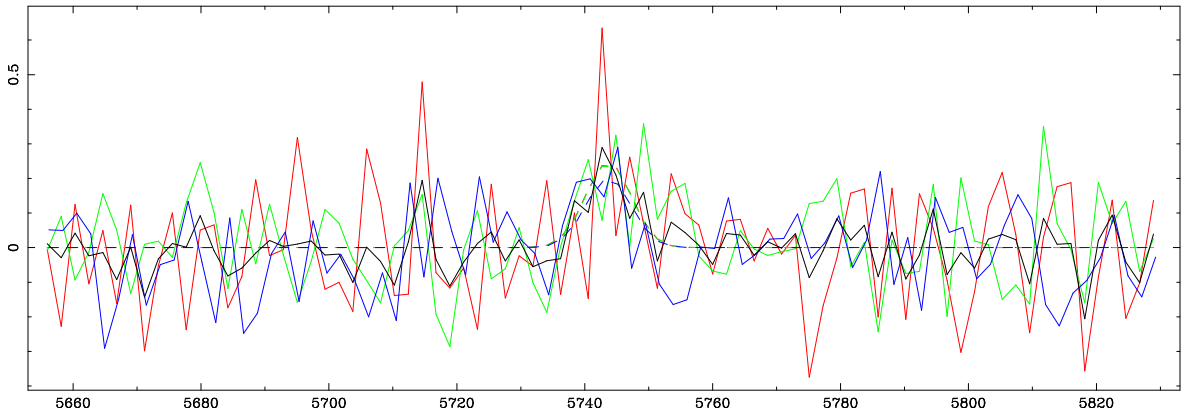
$\lambda_{obs} = 5166.76$Å

$EW_{obs} > 63.50$Å

$\alpha_{2000} = 189.2773°$

$\delta_{2000} = 62.2515°$





$S/N = 5.16$

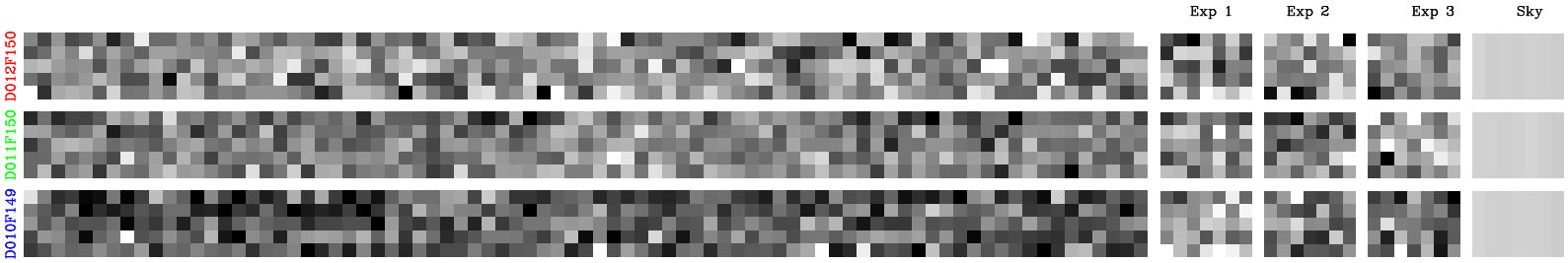
$FWHM_{obs} = 8.43Å$

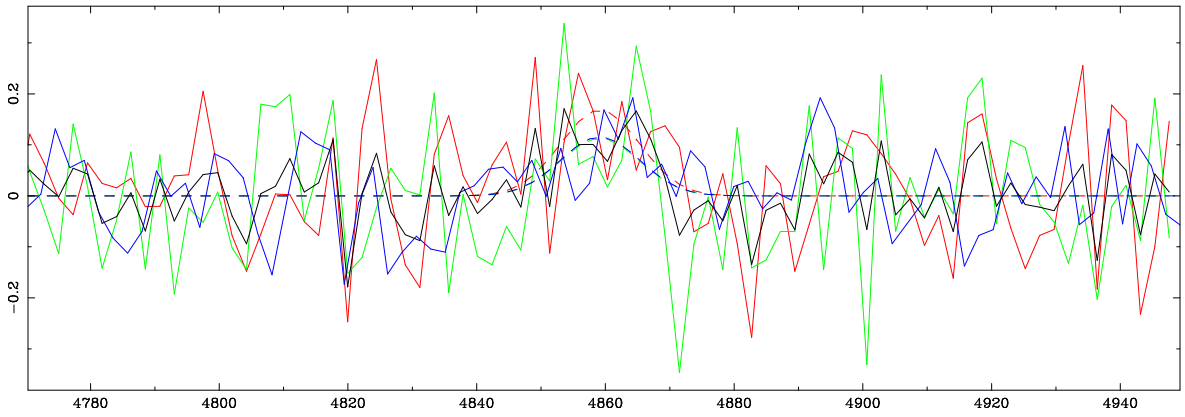
$\lambda_{obs} = 5743.70Å$

$EW_{obs} > 54.25Å$

$\alpha_{2000} = 189.2624°$

$\delta_{2000} = 62.2380°$





S/N = 5.10

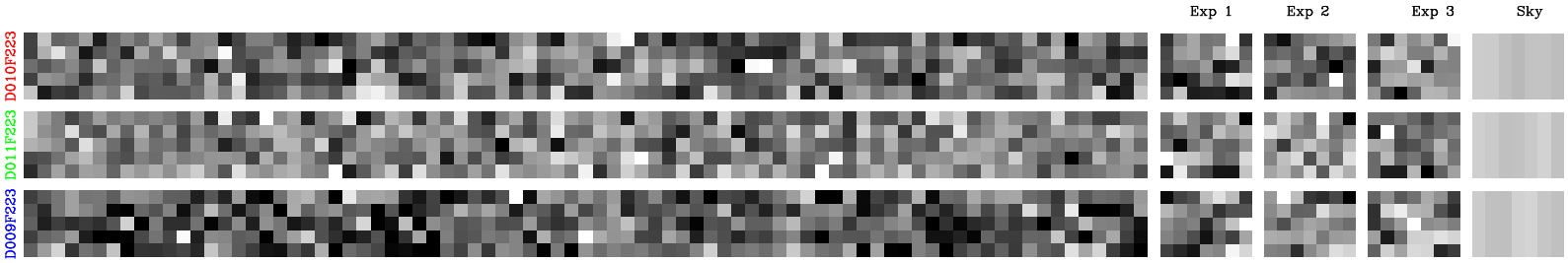
$FWHM_{obs}$ = 14.45Å

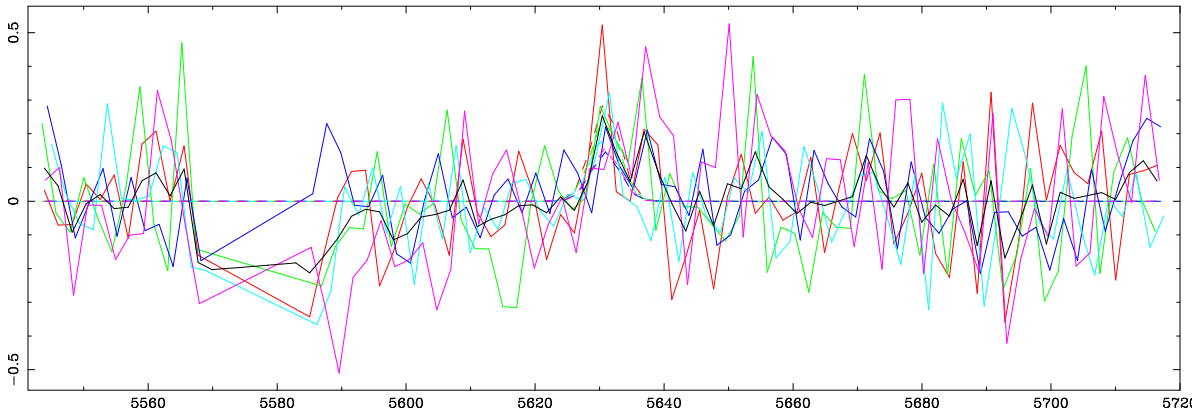
λ_{obs} = 4859.18Å

EW_{obs} > 68.31Å

α_{2000} = 189.2664°

δ_{2000} = 62.2291°





S/N = 5.06

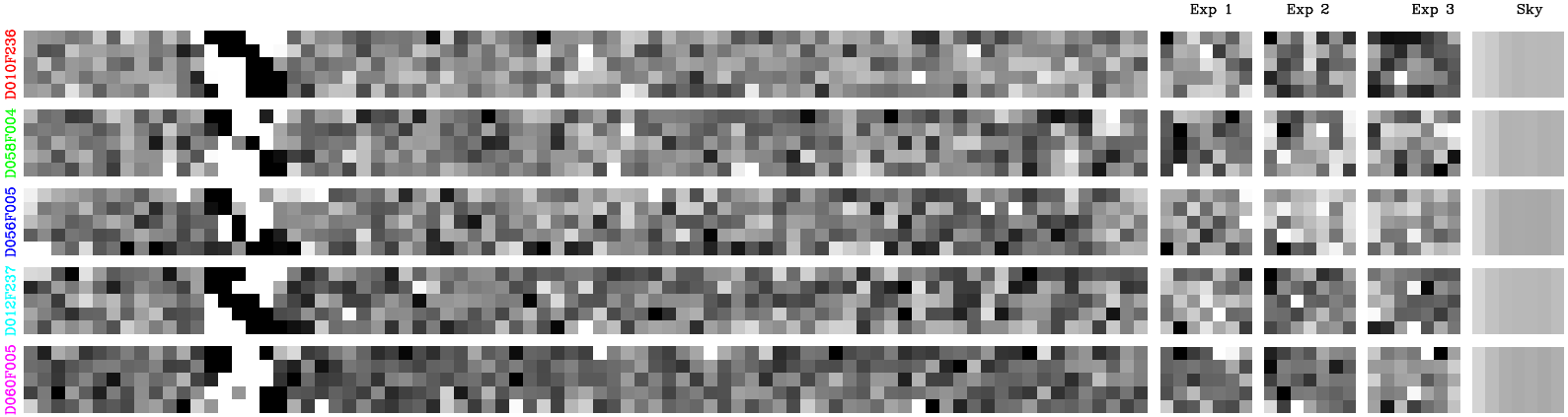
$FWHM_{obs}$ = 5.20Å

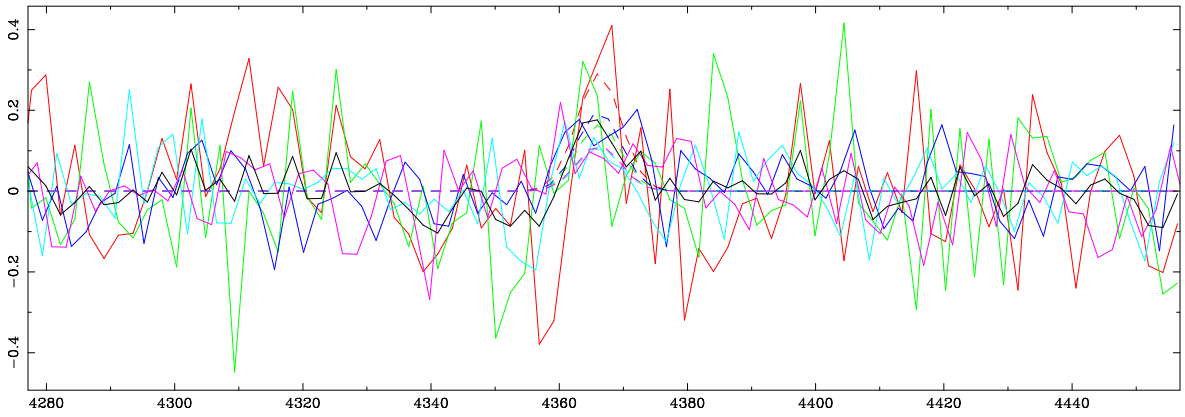
λ_{obs} = 5630.92Å

EW_{obs} > 47.80Å

α_{2000} = 189.2612°

δ_{2000} = 62.2268°





$S/N = 5.02$

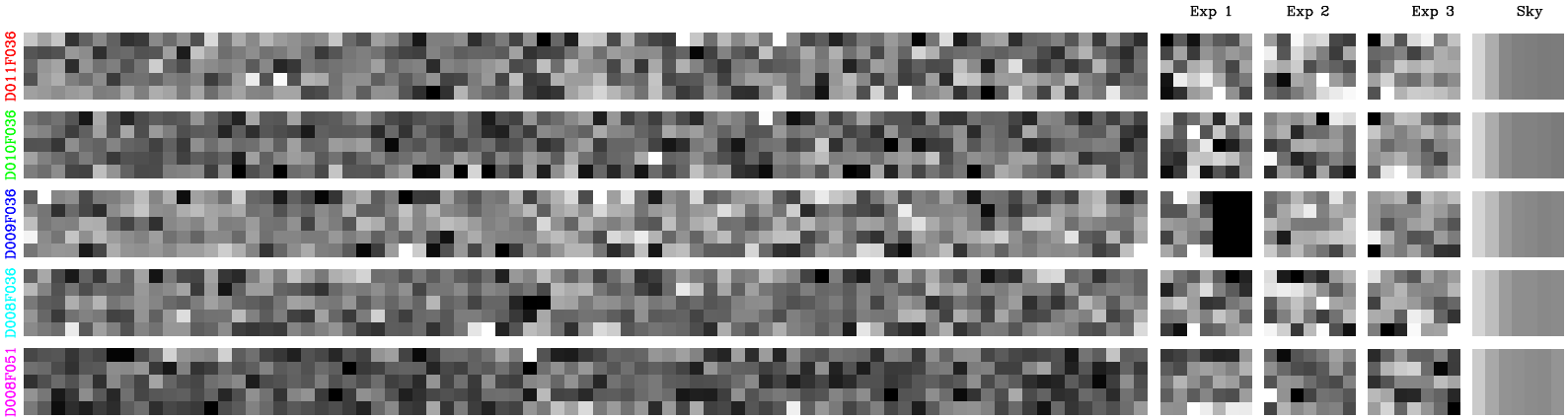
$FWHM_{obs} = 8.09$Å

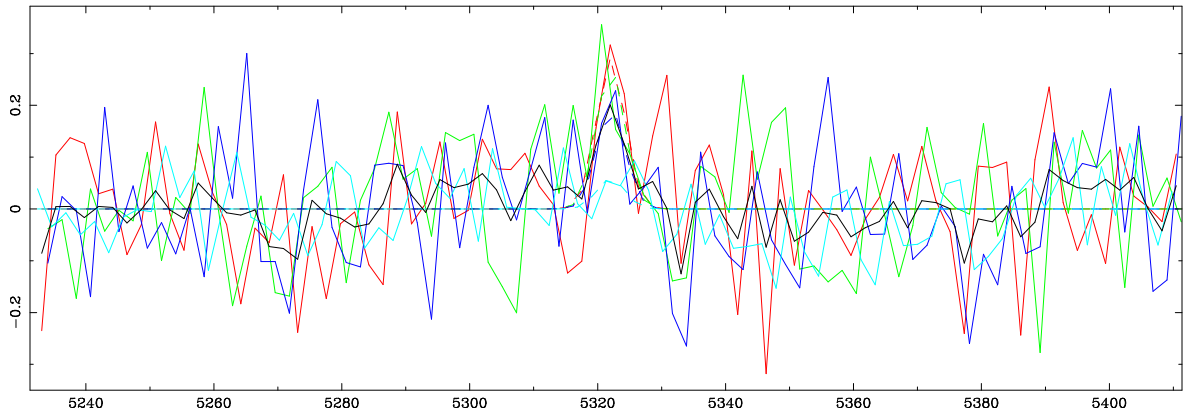
$\lambda_{obs} = 4366.18$Å

$EW_{obs} > 56.00$Å

$\alpha_{2000} = 189.2731°$

$\delta_{2000} = 62.2520°$





S/N = 5.02

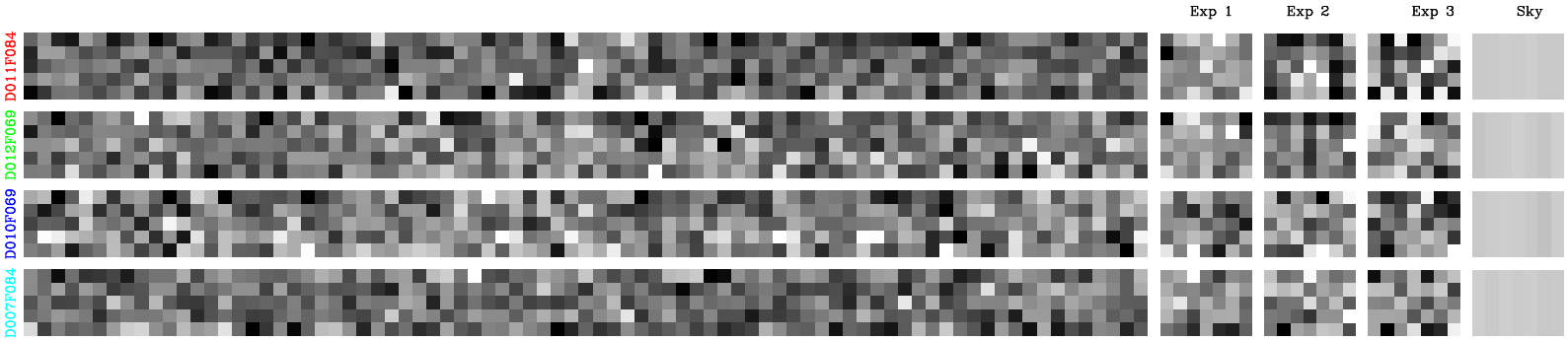
$FWHM_{obs}$ = 5.22Å

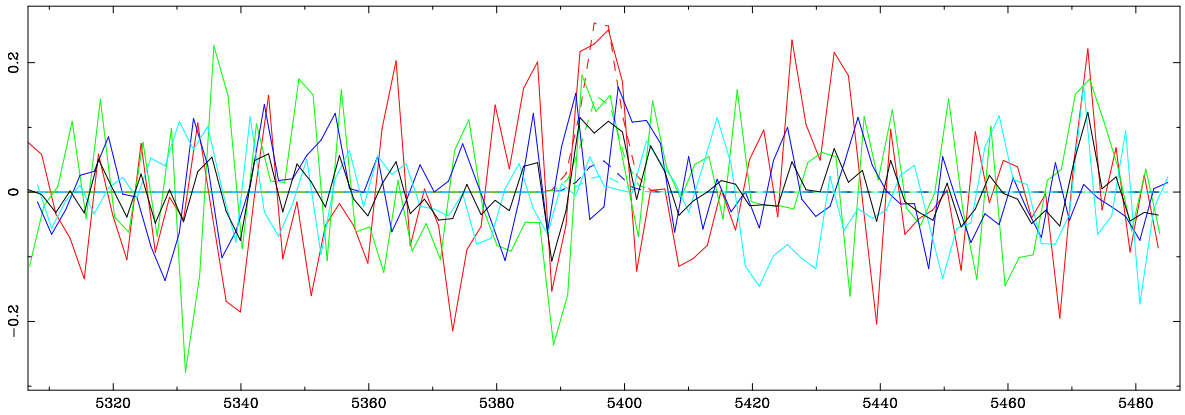
λ_{obs} = 5322.05Å

EW_{obs} > 51.19Å

α_{2000} = 189.2912°

δ_{2000} = 62.2478°





S/N = 5.12

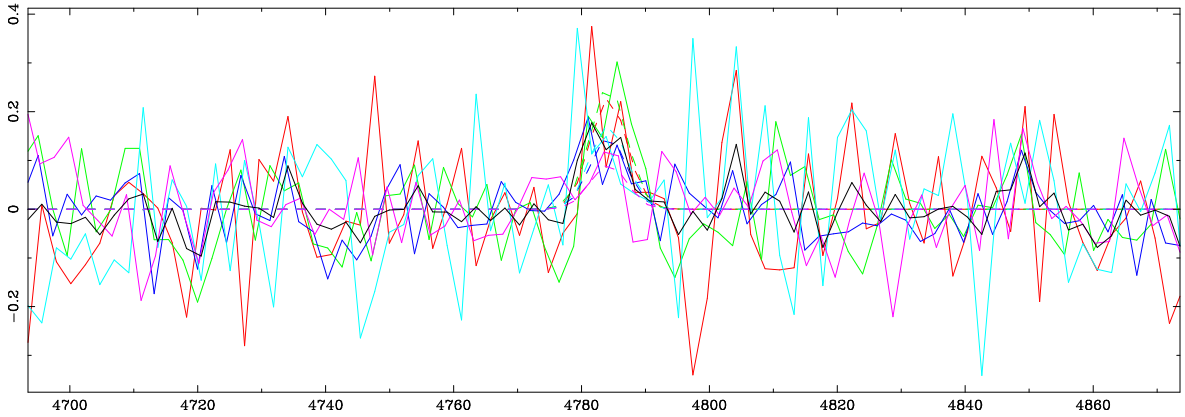
$FWHM_{obs}$ = 6.00Å

λ_{obs} = 5396.31Å

EW_{obs} > 46.28Å

α_{2000} = 189.2875°

δ_{2000} = 62.2441°



$S/N = 5.15$

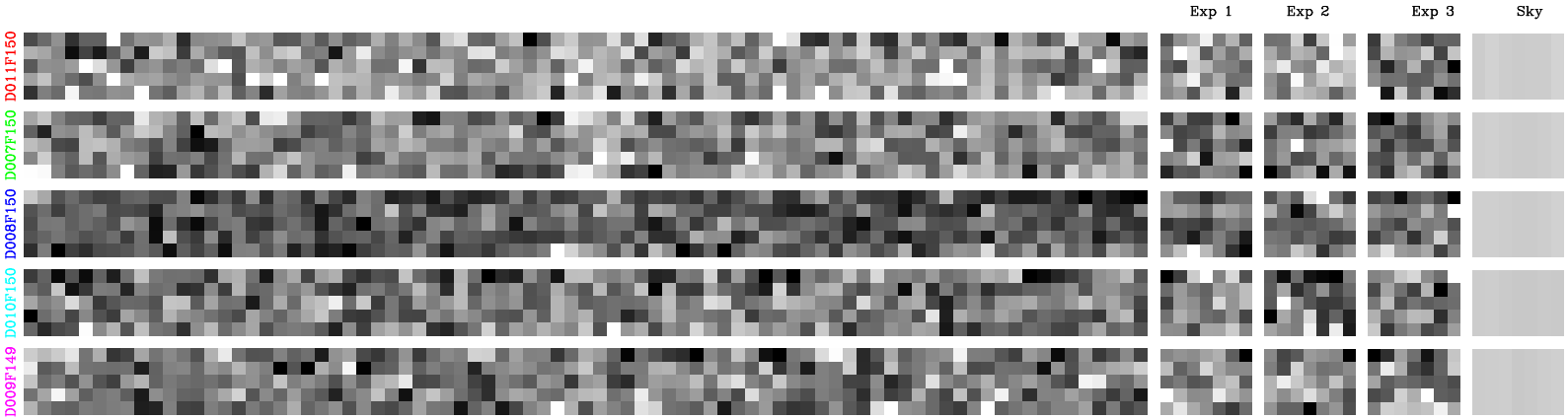
$FWHM_{obs} = 6.73Å$

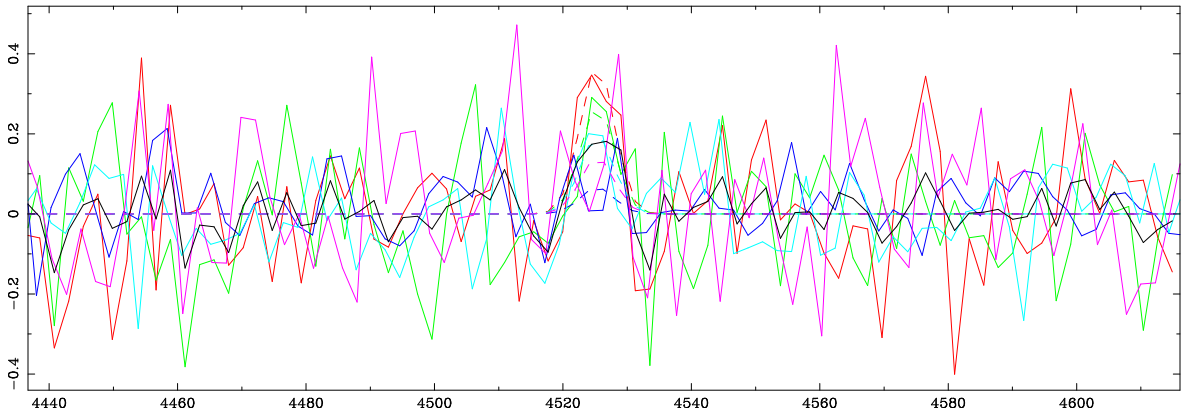
$\lambda_{obs} = 4784.20Å$

$EW_{obs} = 39.57Å$

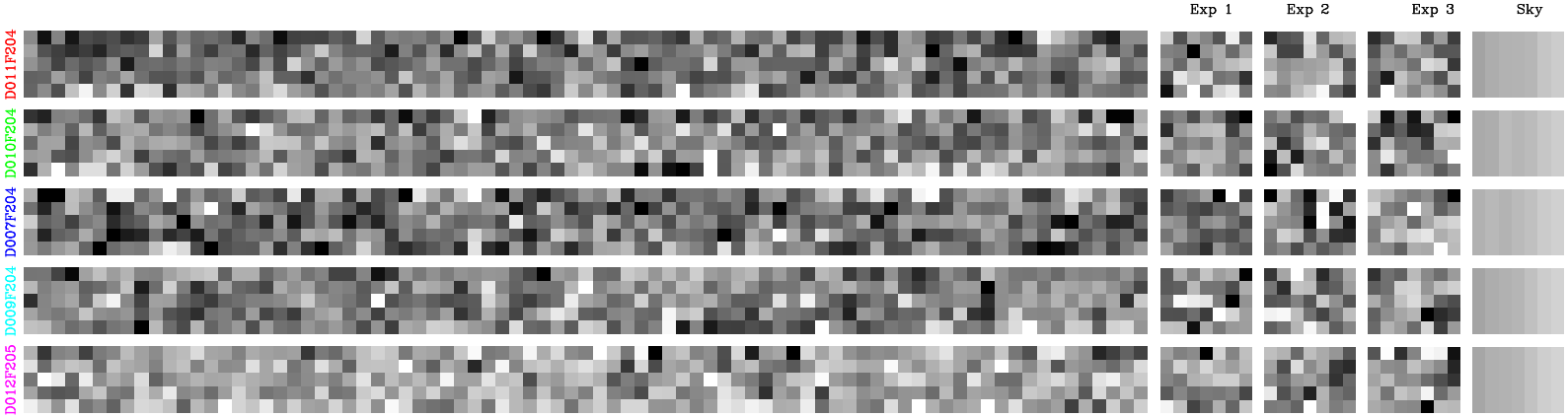
$\alpha_{2000} = 189.2635°$

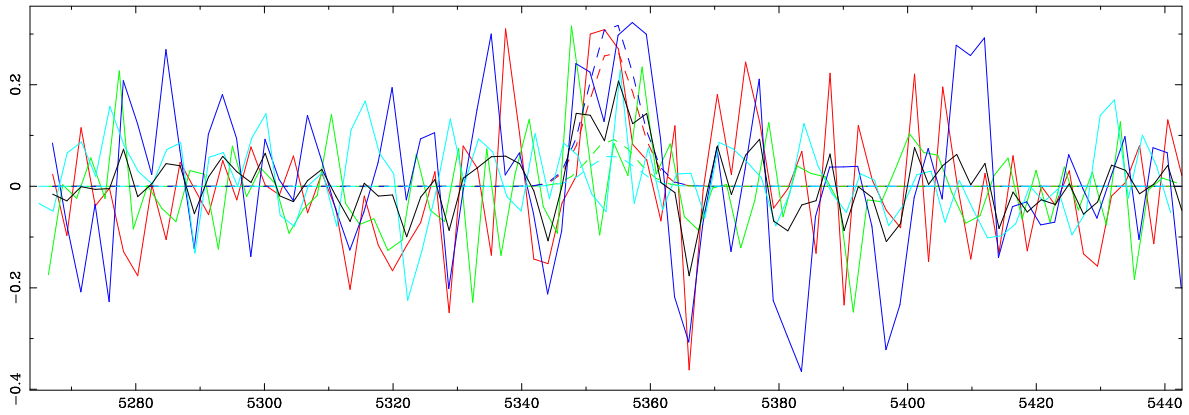
$\delta_{2000} = 62.2382°$





S/N = 5.23
$FWHM_{obs}$ = 6.28Å
λ_{obs} = 4525.33Å
EW_{obs} > 48.00Å
α_{2000} = 189.2469°
δ_{2000} = 62.2310°





S/N = 5.69

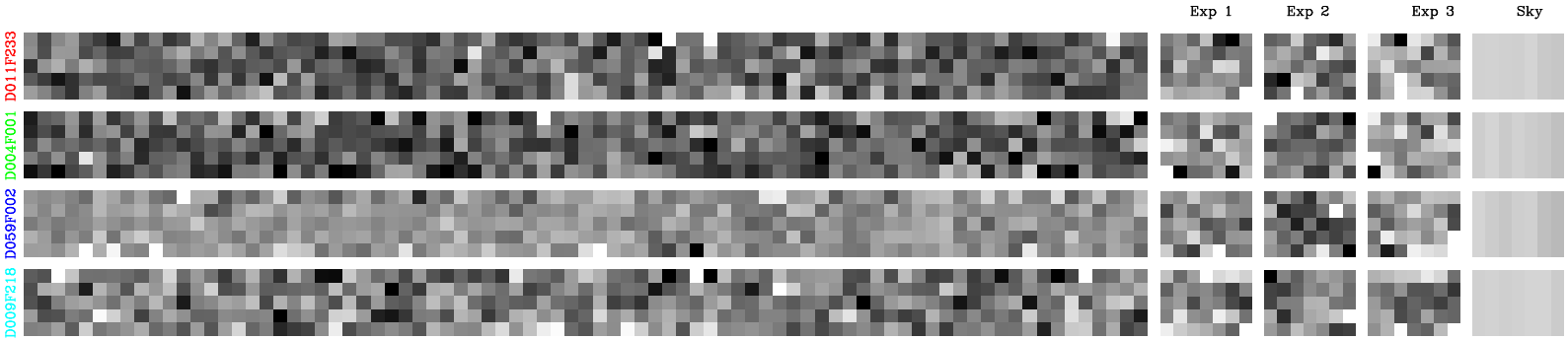
$FWHM_{obs}$ = 8.44Å

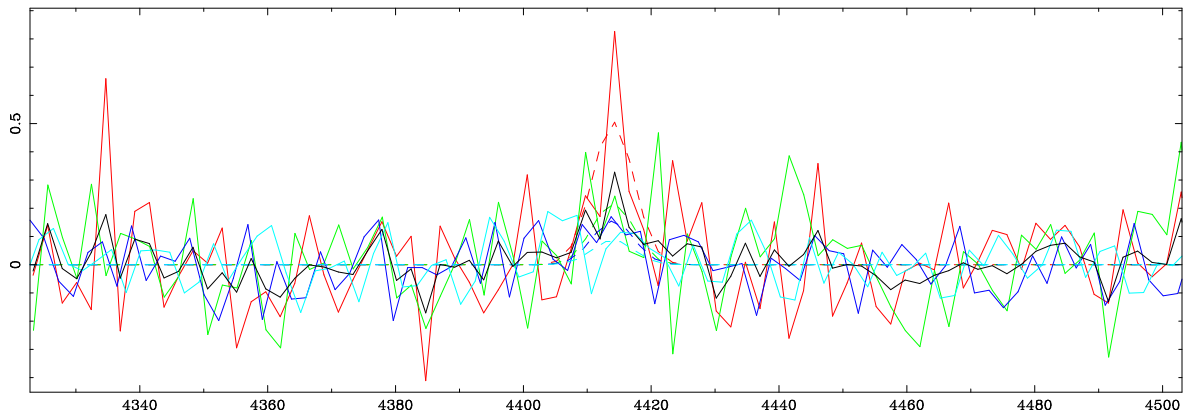
λ_{obs} = 5354.09Å

EW_{obs} > 64.97Å

α_{2000} = 189.2472°

δ_{2000} = 62.2278°





$S/N = 5.07$

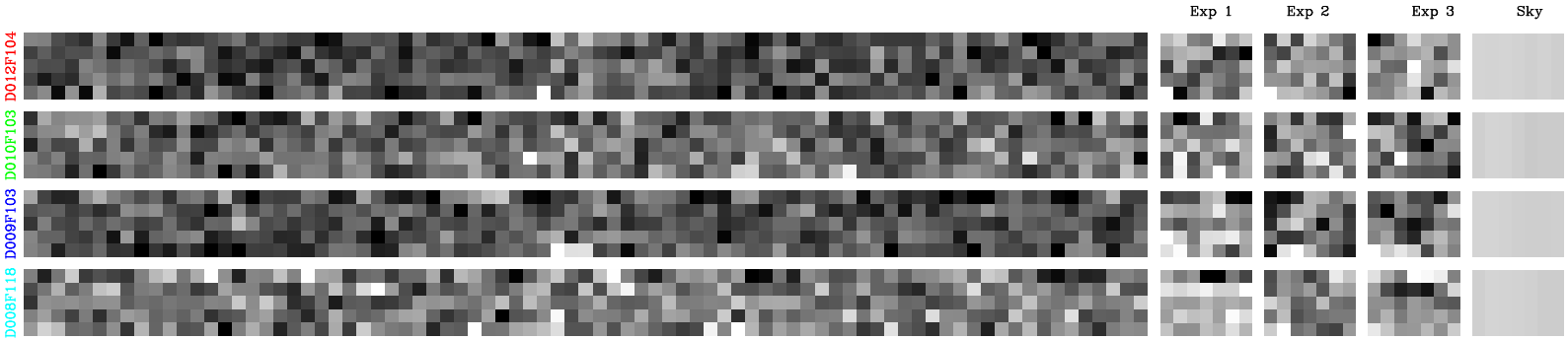
$FWHM_{obs} = 7.63Å$

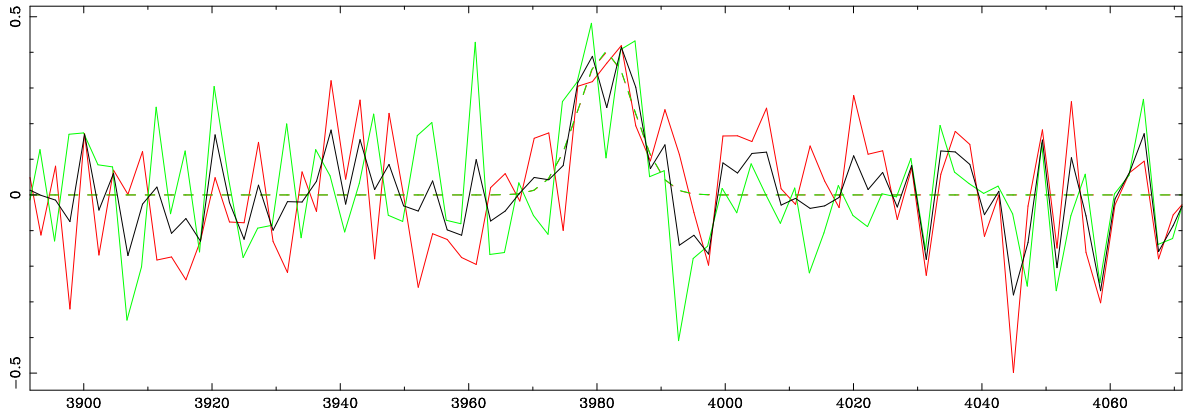
$\lambda_{obs} = 4414.02Å$

$EW_{obs} > 59.02Å$

$\alpha_{2000} = 189.2510°$

$\delta_{2000} = 62.2428°$





S/N = 6.06

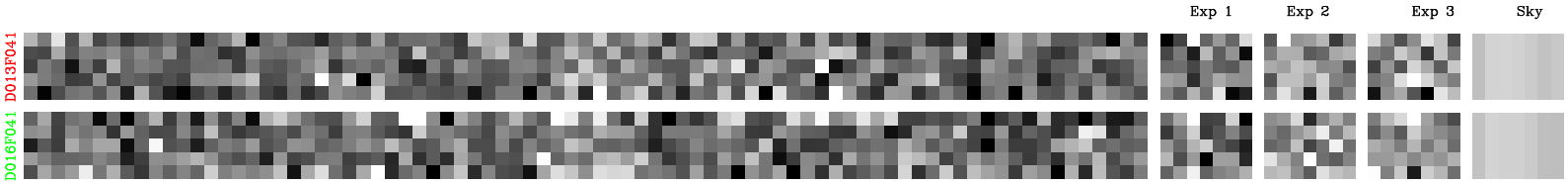
$FWHM_{obs}$ = 10.15Å

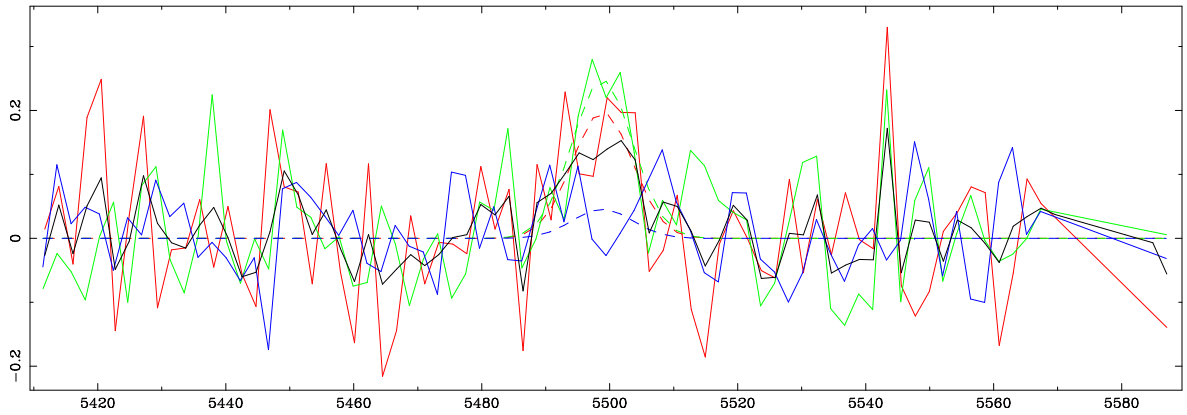
λ_{obs} = 3981.45Å

EW_{obs} > 67.60Å

α_{2000} = 189.2957°

δ_{2000} = 62.1947°





S/N = 6.05

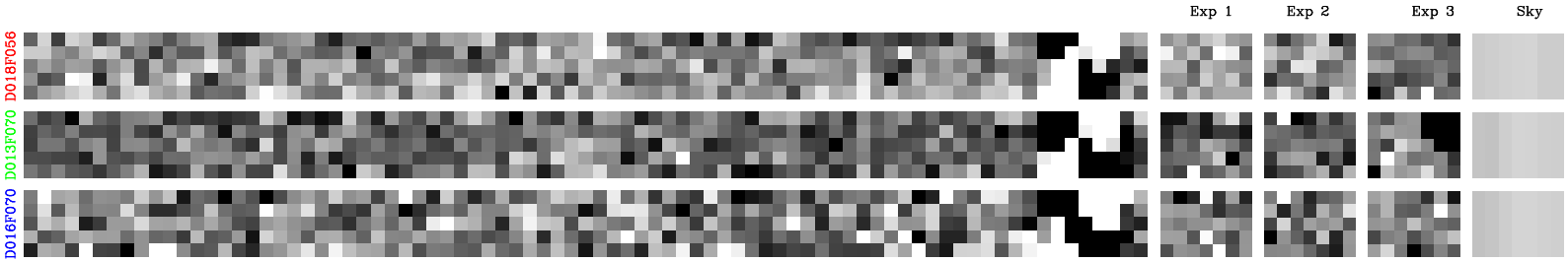
$FWHM_{obs}$ = 11.12Å

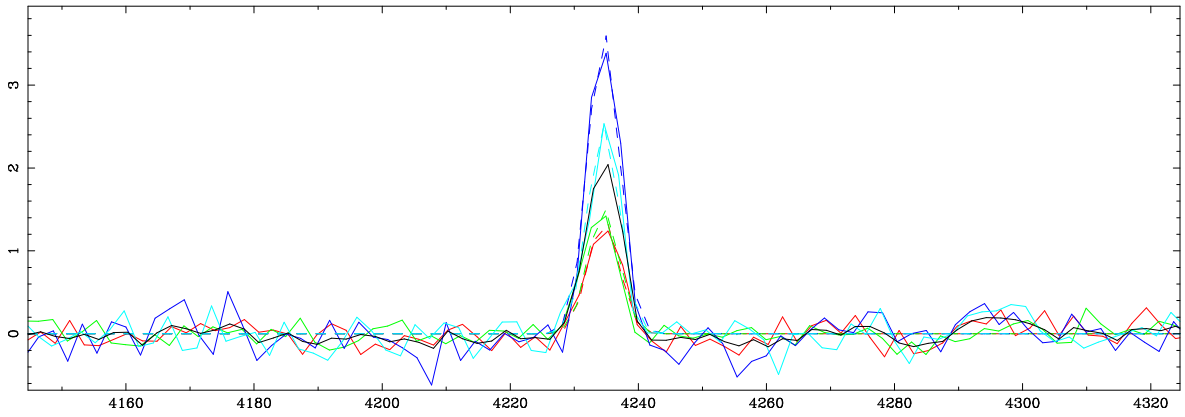
λ_{obs} = 5498.86Å

EW_{obs} > 76.77Å

α_{2000} = 189.2956°

δ_{2000} = 62.1916°





$S/N = 33.00$

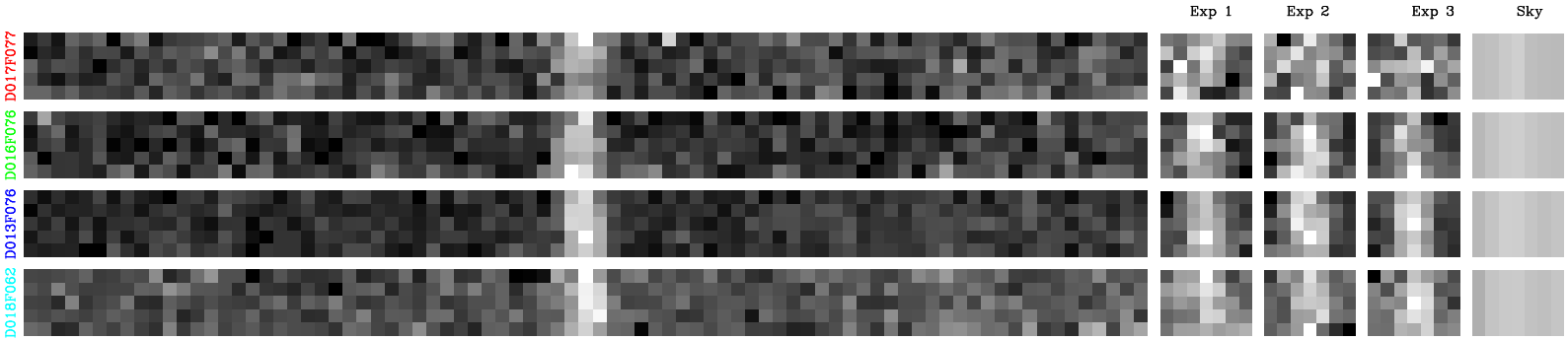
$FWHM_{obs} = 5.76Å$

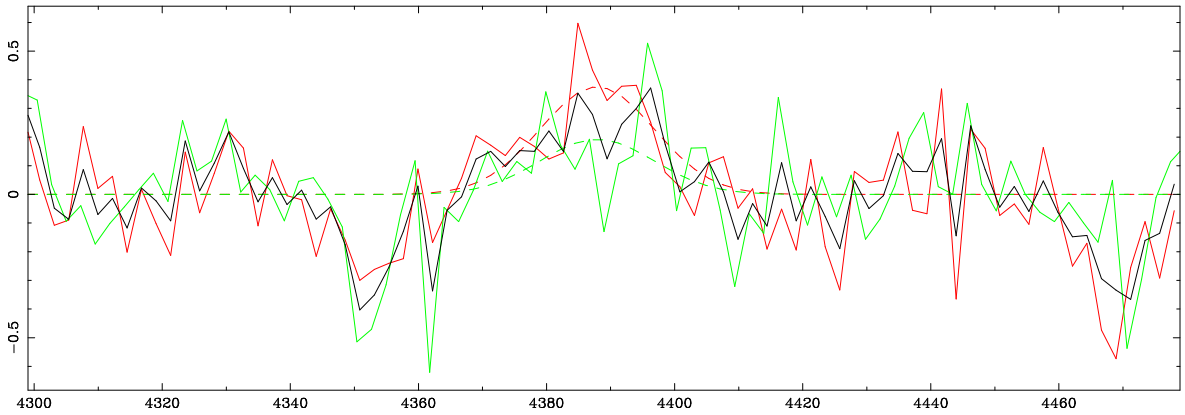
$\lambda_{obs} = 4234.57Å$

$EW_{obs} = 23.58Å$

$\alpha_{2000} = 189.2588°$

$\delta_{2000} = 62.1900°$





S/N = 7.26

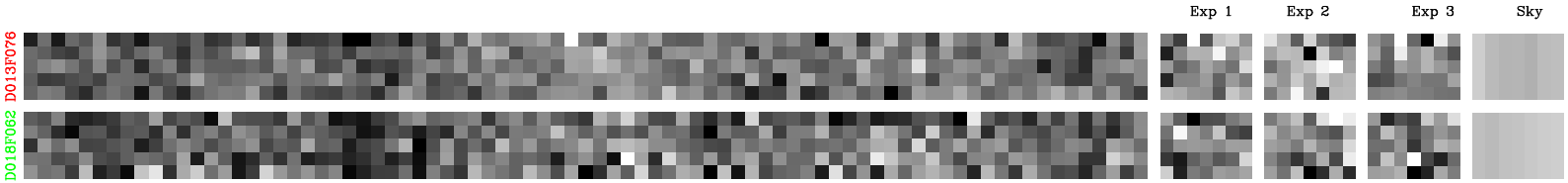
$FWHM_{obs}$ = 21.04Å

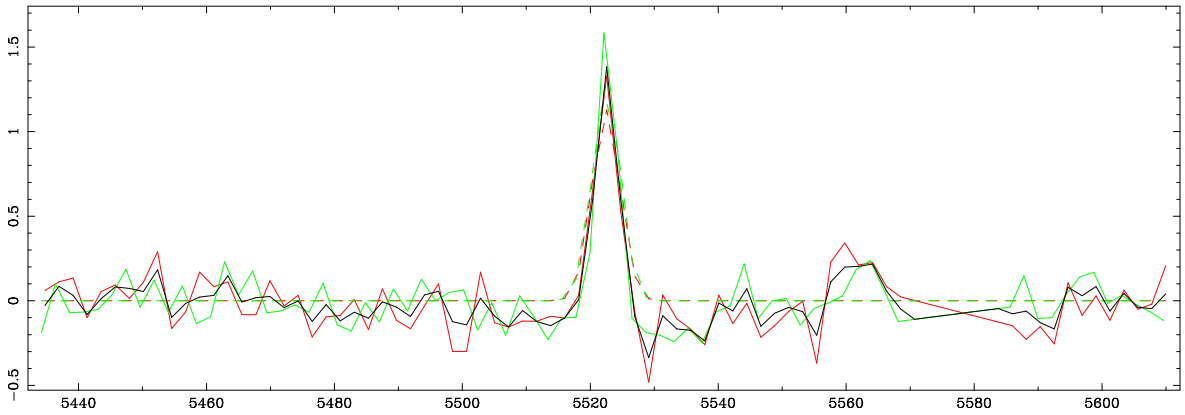
λ_{obs} = 4387.90Å

EW_{obs} = 7.22Å

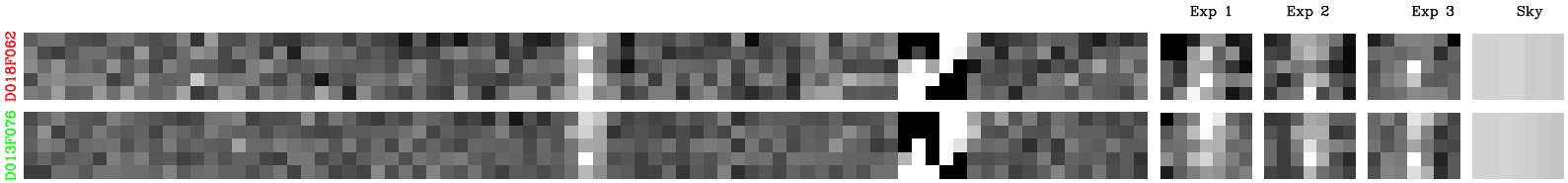
α_{2000} = 189.2583°

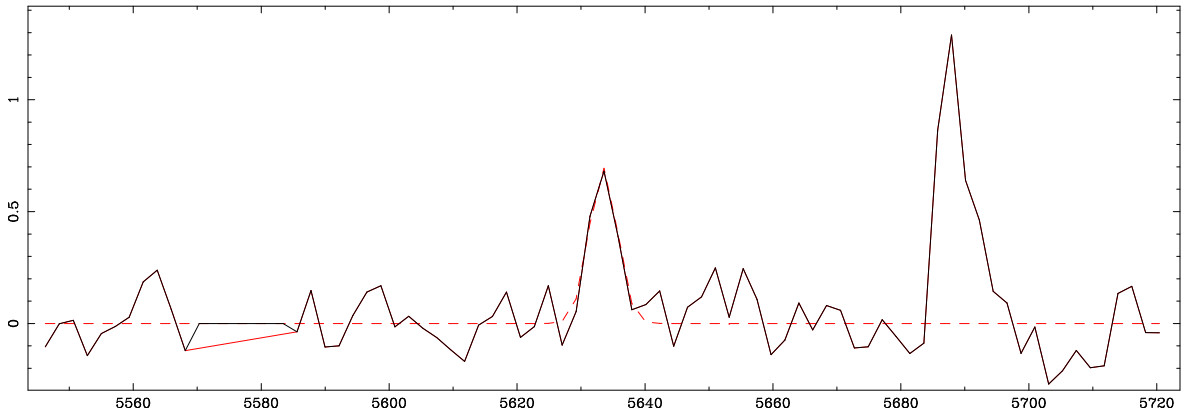
δ_{2000} = 62.1901°





S/N = 13.24
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5522.49Å
EW_{obs} = 4.58Å
α_{2000} = 189.2584°
δ_{2000} = 62.1902°





S/N = 6.59

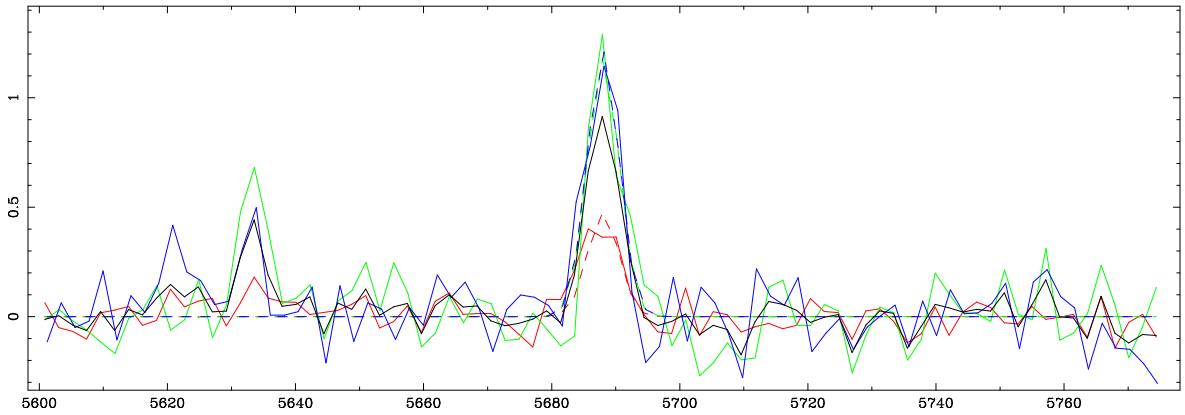
$FWHM_{obs}$ = 5.20Å

λ_{obs} = 5633.47Å

EW_{obs} = 2.59Å

α_{2000} = 189.2581°

δ_{2000} = 62.1899°



S/N = 16.34

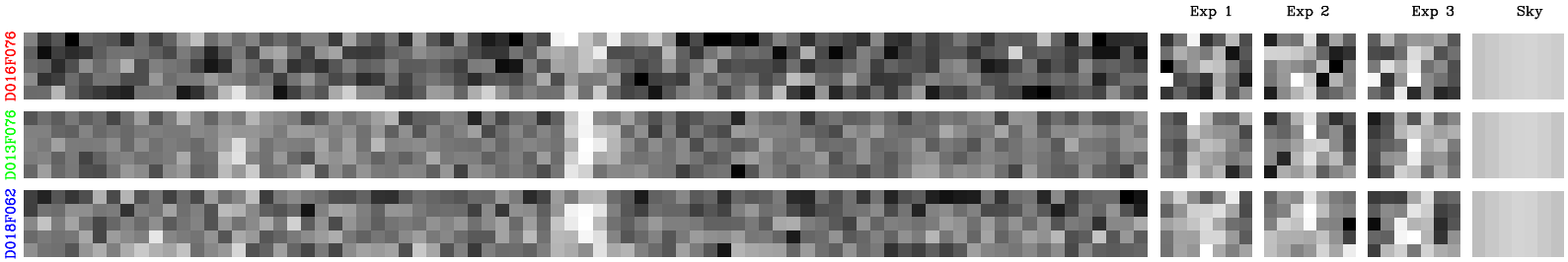
$FWHM_{obs}$ = 5.80Å

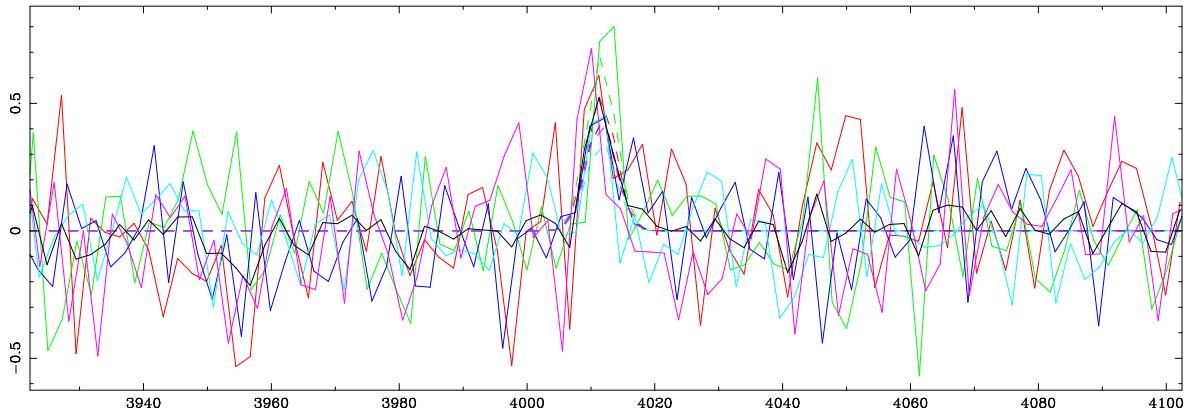
λ_{obs} = 5688.03Å

EW_{obs} = 6.80Å

α_{2000} = 189.2585°

δ_{2000} = 62.1901°





$S/N = 6.33$

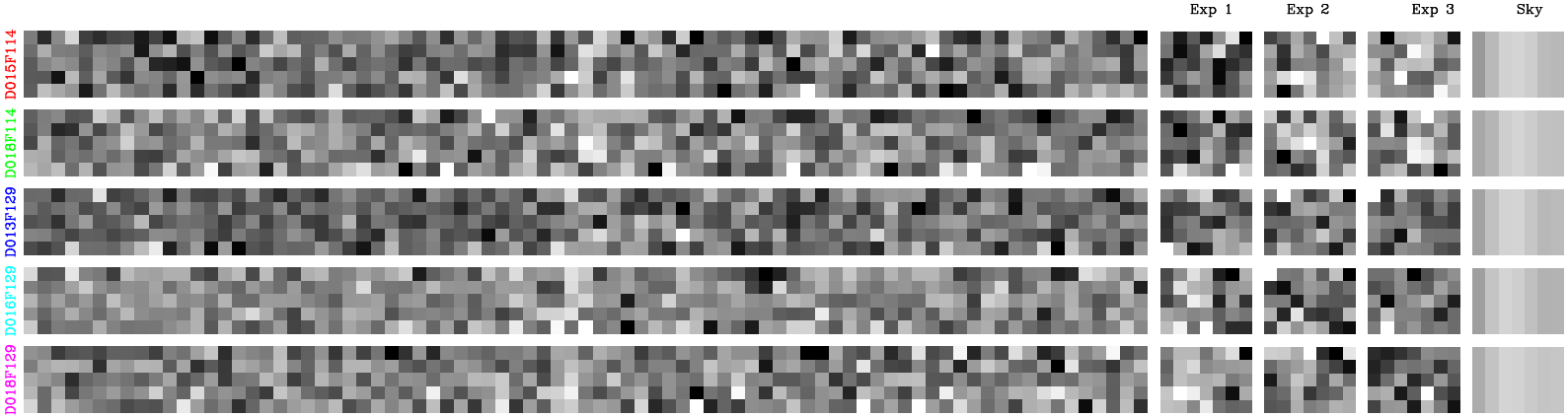
$FWHM_{obs} = 5.20$Å

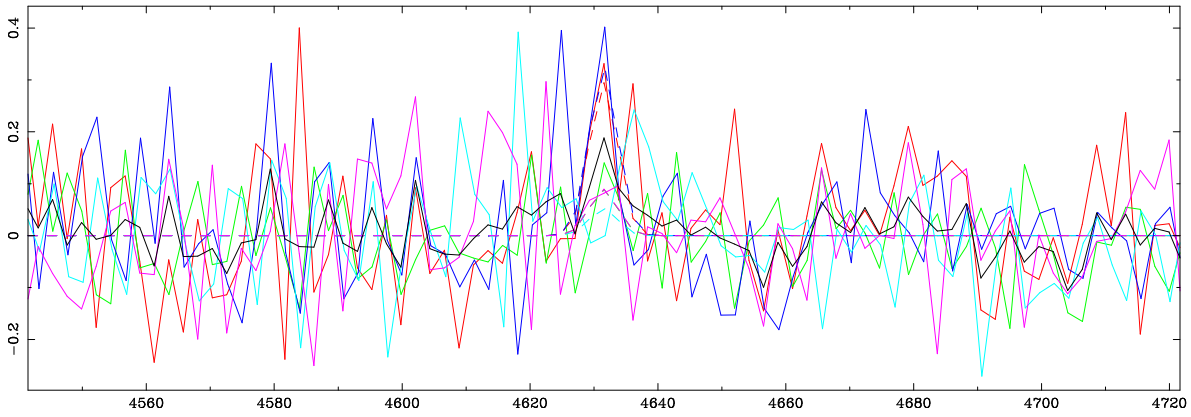
$\lambda_{obs} = 4011.61$Å

$EW_{obs} > 67.56$Å

$\alpha_{2000} = 189.2978°$

$\delta_{2000} = 62.1843°$





S/N = 5.04

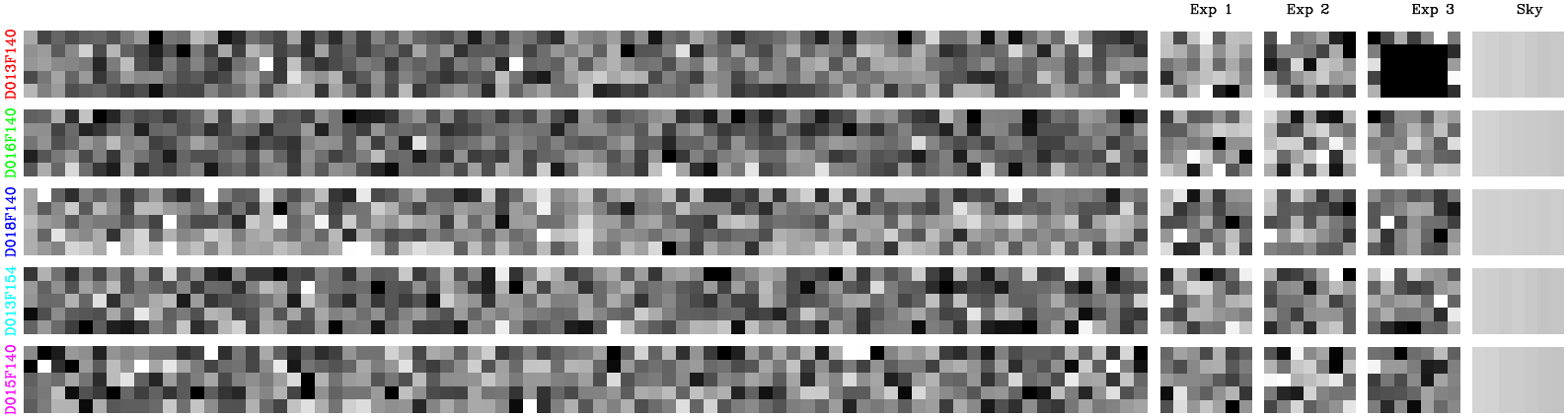
$FWHM_{obs}$ = 5.20Å

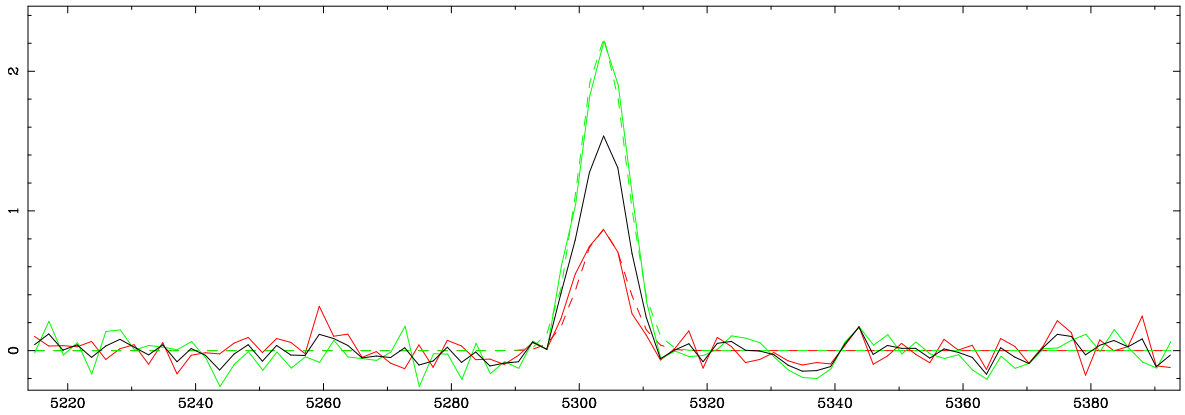
λ_{obs} = 4631.50Å

EW_{obs} = 9.77Å

α_{2000} = 189.2834°

δ_{2000} = 62.1819°





$S/N = 32.97$

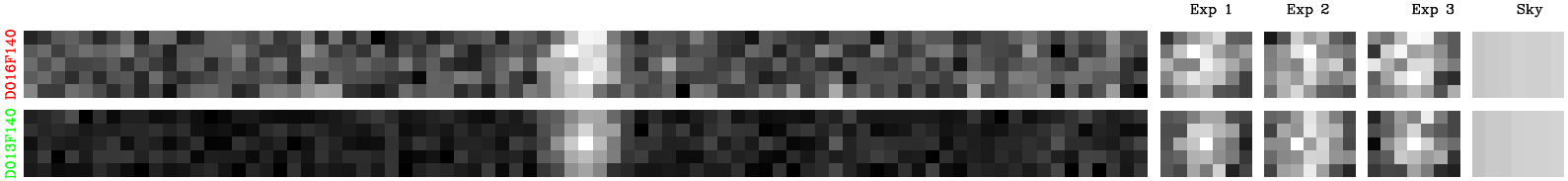
$FWHM_{obs} = 8.53Å$

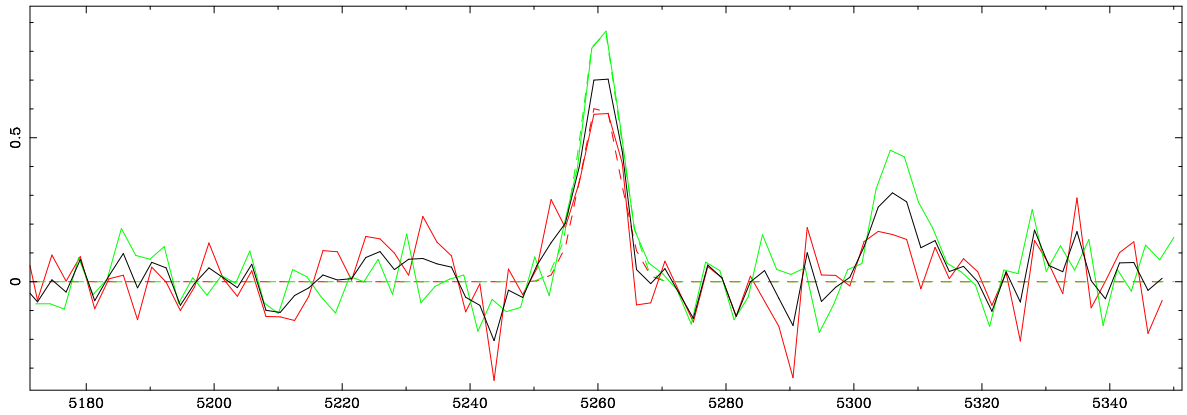
$\lambda_{obs} = 5303.67Å$

$EW_{obs} = 45.41Å$

$\alpha_{2000} = 189.2843°$

$\delta_{2000} = 62.1825°$





S/N = 13.22

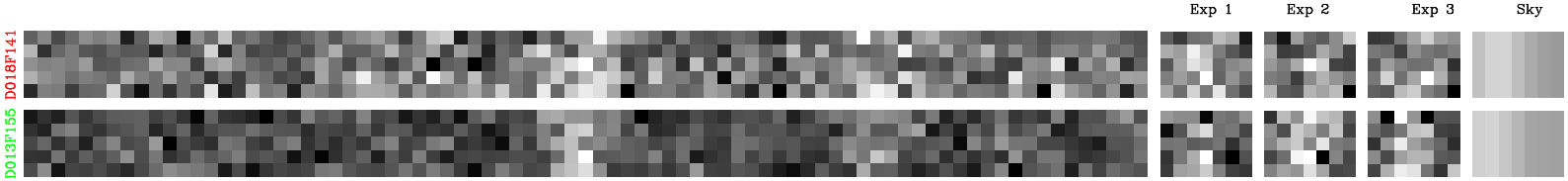
$FWHM_{obs}$ = 7.05Å

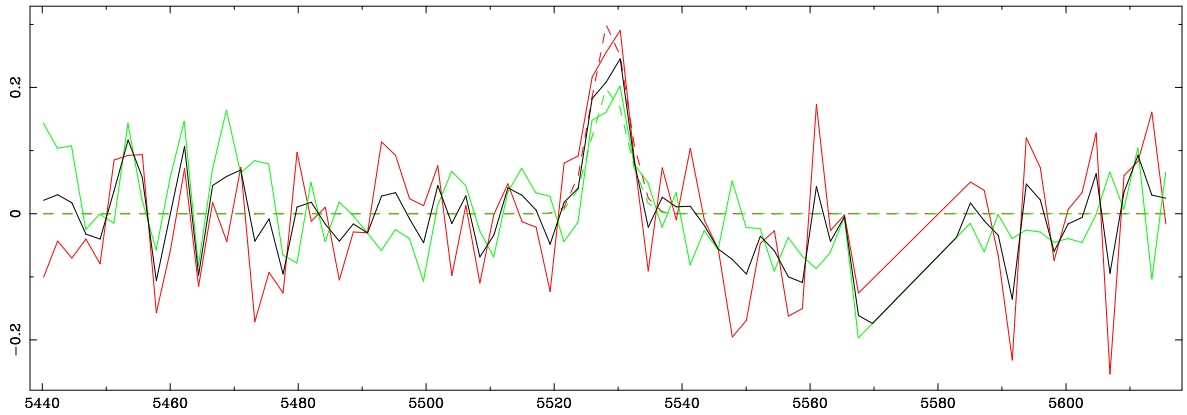
λ_{obs} = 5260.37Å

EW_{obs} = 56.48Å

α_{2000} = 189.2865°

δ_{2000} = 62.1811°





$S/N = 5.59$

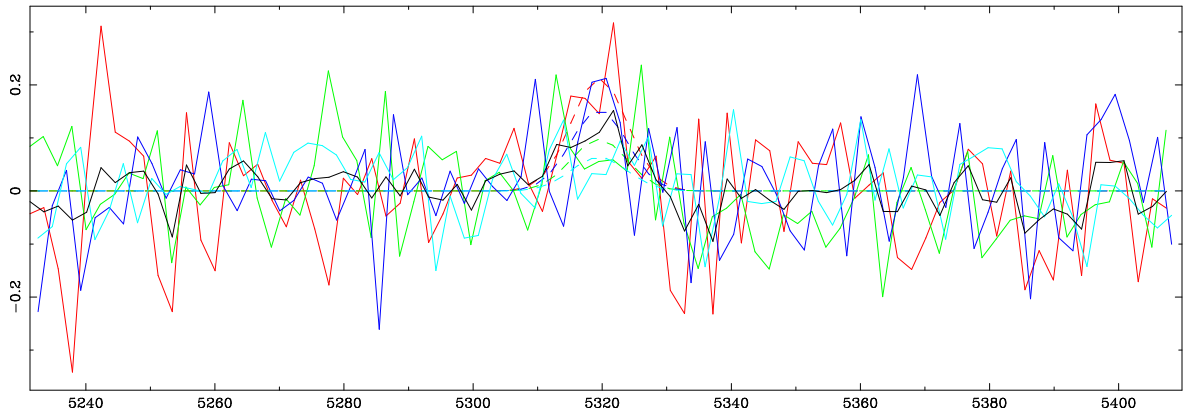
$FWHM_{obs} = 6.38$Å

$\lambda_{obs} = 5528.64$Å

$EW_{obs} > 57.03$Å

$\alpha_{2000} = 189.2952°$

$\delta_{2000} = 62.1805°$



$S/N = 5.27$

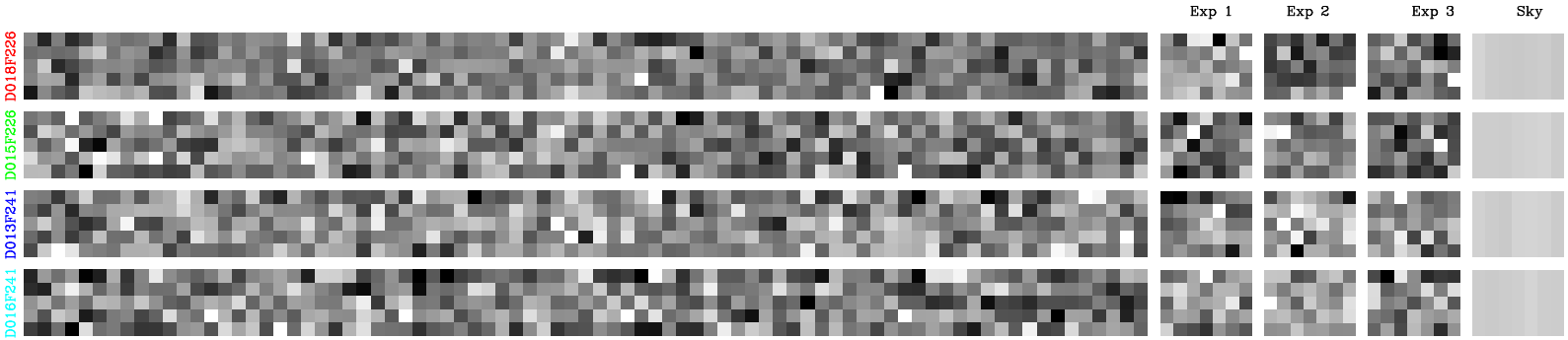
$FWHM_{obs} = 10.25Å$

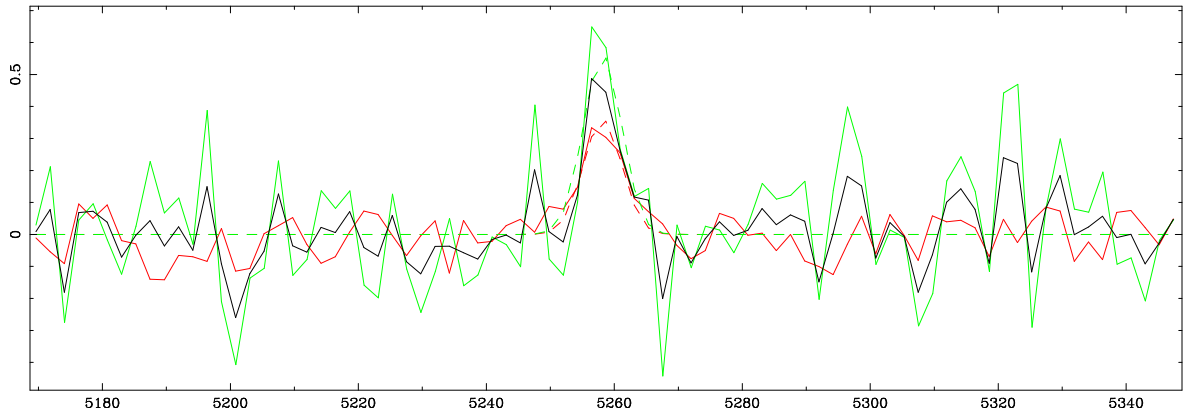
$\lambda_{obs} = 5319.52Å$

$EW_{obs} > 66.69Å$

$\alpha_{2000} = 189.2798°$

$\delta_{2000} = 62.1705°$





$S/N = 5.83$

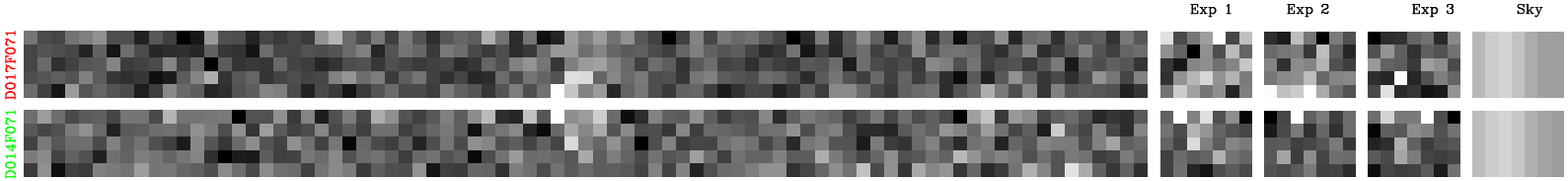
$FWHM_{obs} = 7.07Å$

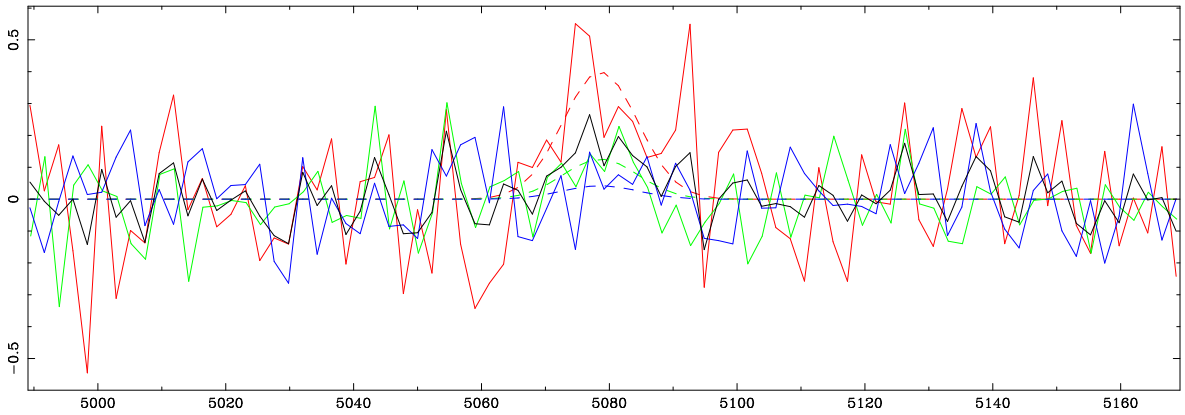
$\lambda_{obs} = 5258.15Å$

$EW_{obs} > 60.27Å$

$\alpha_{2000} = 189.2977°$

$\delta_{2000} = 62.1911°$





$S/N = 5.04$

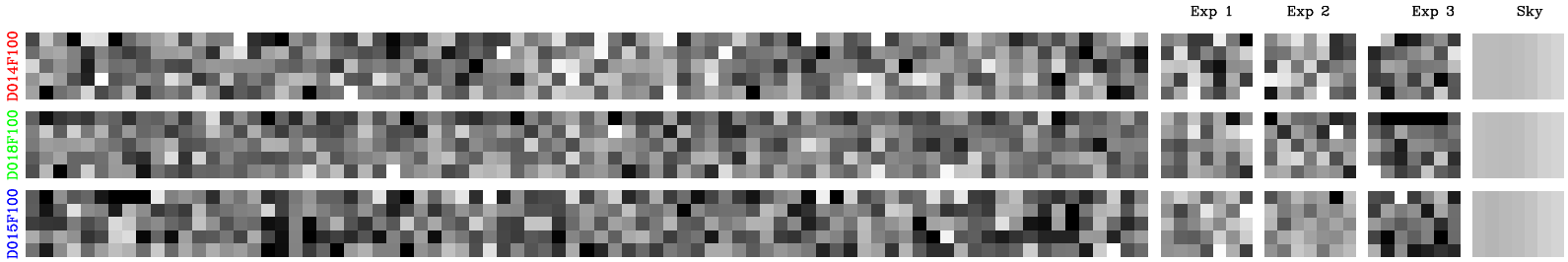
$FWHM_{obs} = 13.90Å$

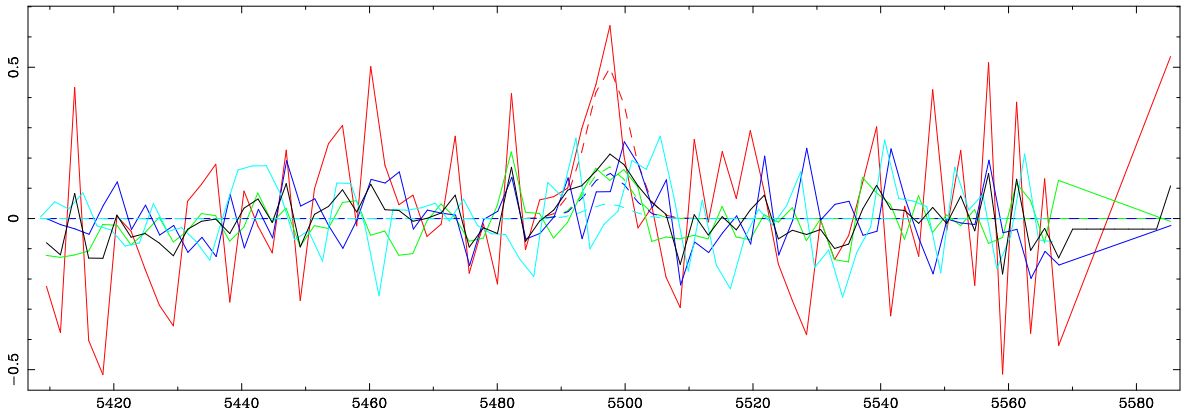
$\lambda_{obs} = 5078.61Å$

$EW_{obs} > 73.86Å$

$\alpha_{2000} = 189.2976°$

$\delta_{2000} = 62.1871°$





S/N = 5.32

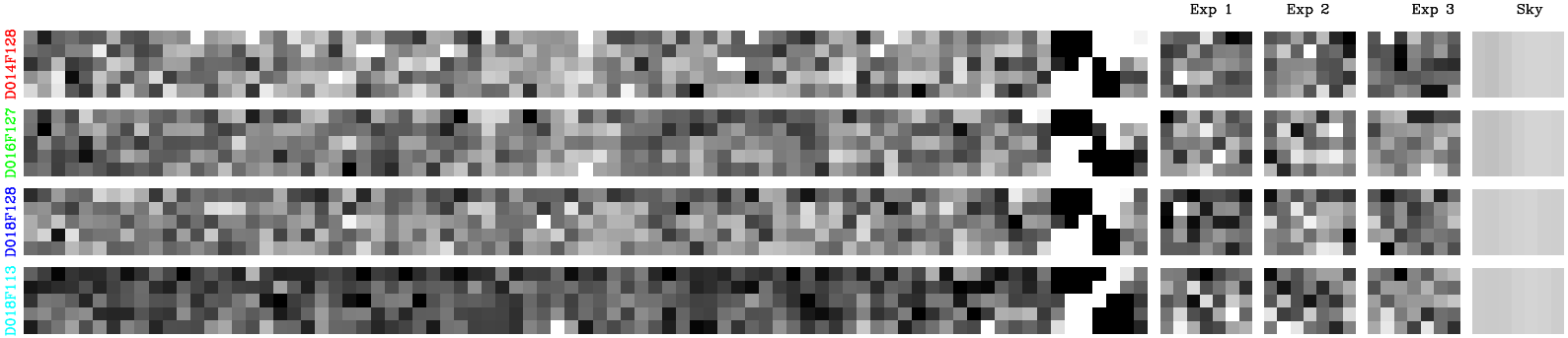
$FWHM_{obs}$ = 7.66Å

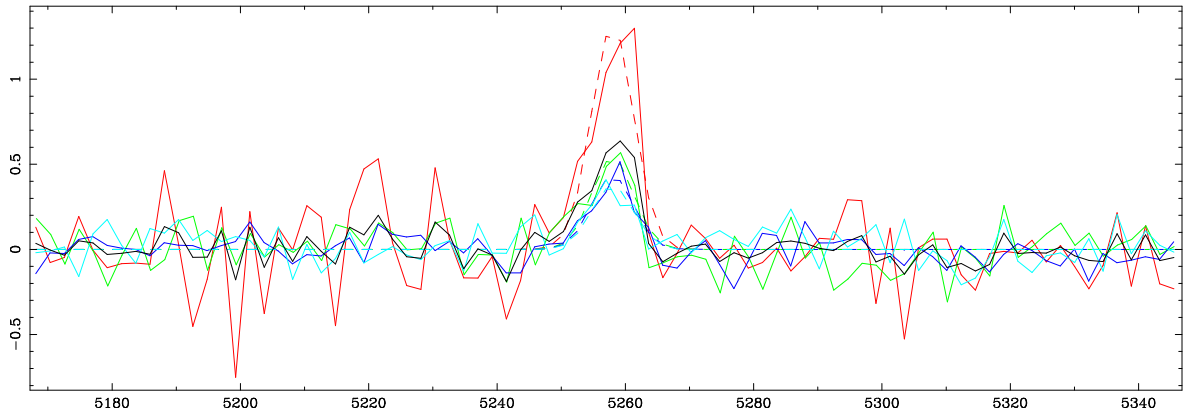
λ_{obs} = 5497.38Å

EW_{obs} > 59.38Å

α_{2000} = 189.2926°

δ_{2000} = 62.1837°





$S/N = 13.70$

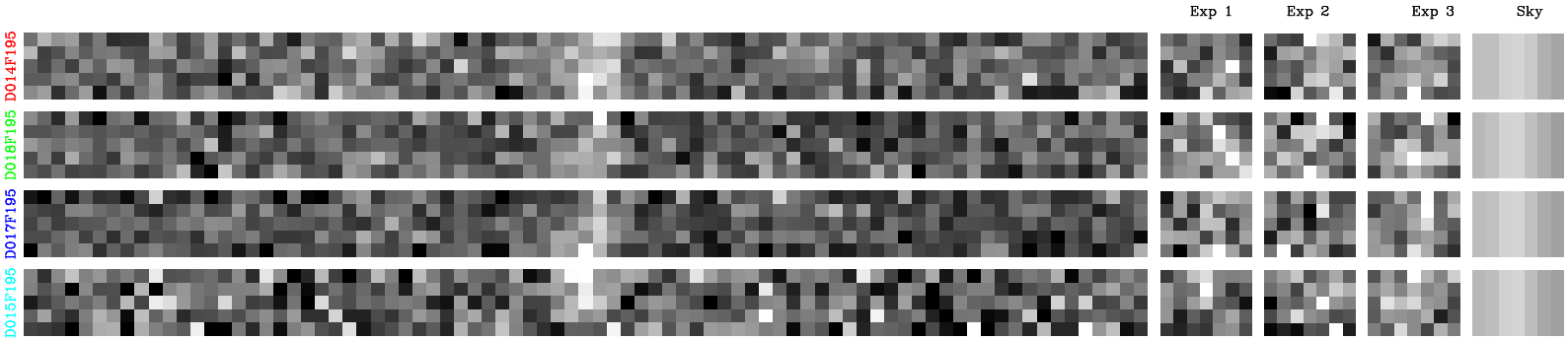
$FWHM_{obs} = 7.75Å$

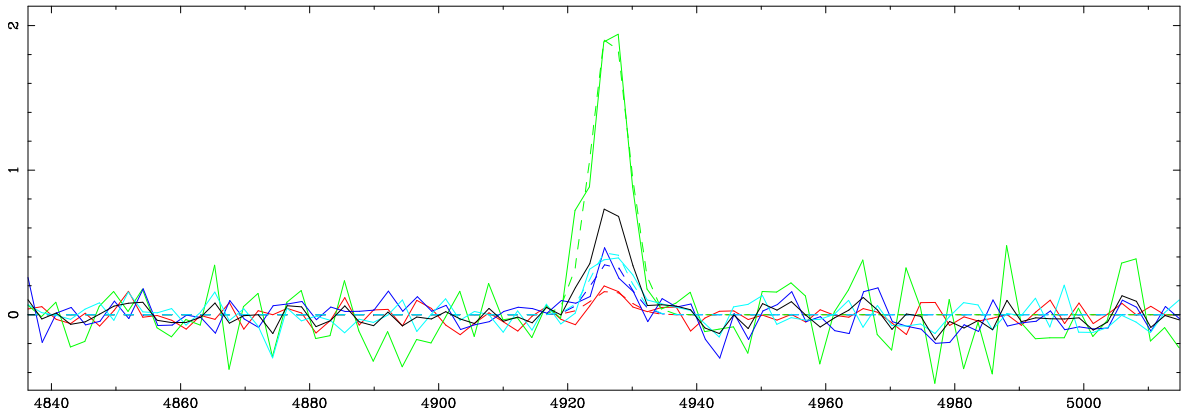
$\lambda_{obs} = 5258.00Å$

$EW_{obs} = 58.71Å$

$\alpha_{2000} = 189.2691°$

$\delta_{2000} = 62.1749°$





$S/N = 13.19$

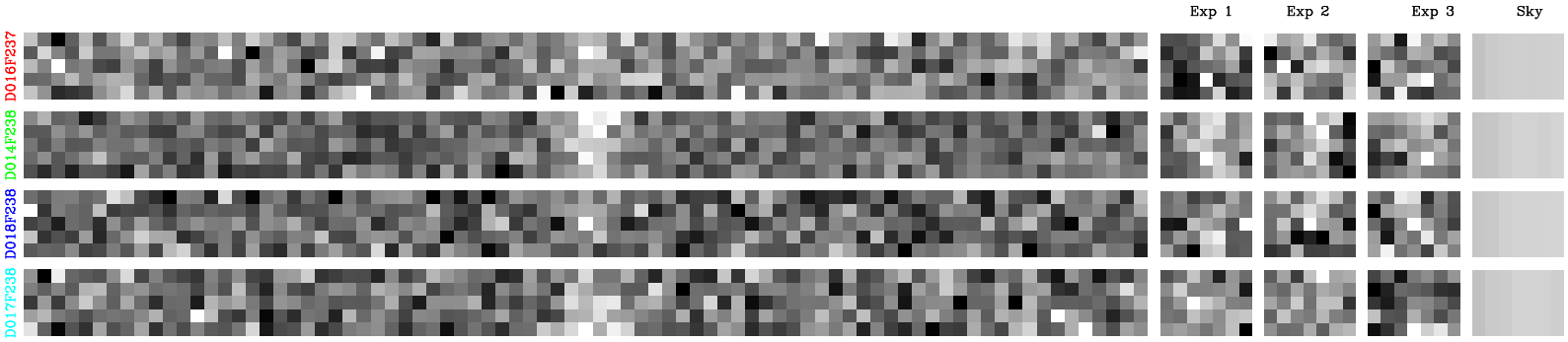
$FWHM_{obs} = 6.67Å$

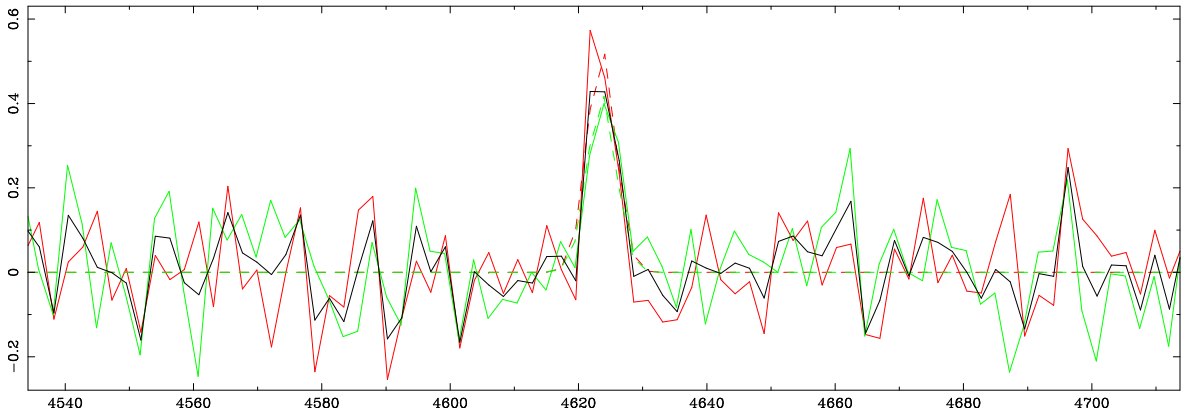
$\lambda_{obs} = 4926.59Å$

$EW_{obs} = 72.71Å$

$\alpha_{2000} = 189.2663°$

$\delta_{2000} = 62.1697°$





S/N = 6.21

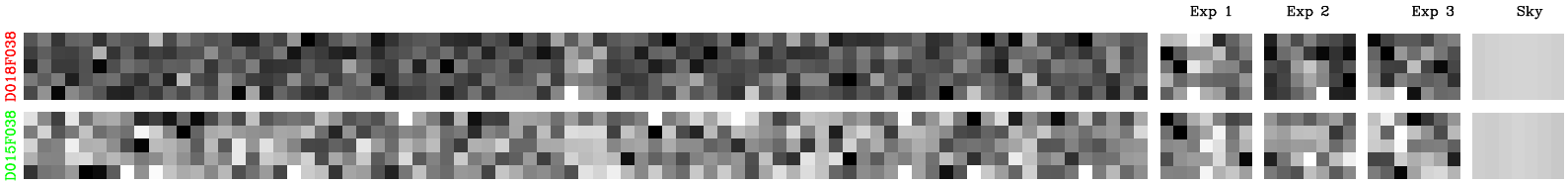
$FWHM_{obs}$ = 5.20Å

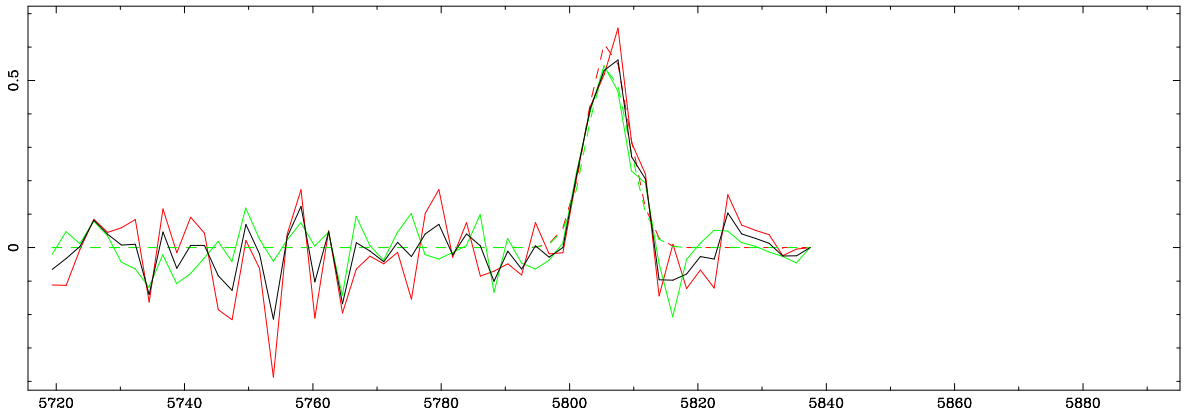
λ_{obs} = 4623.59Å

EW_{obs} = 36.69Å

α_{2000} = 189.2814°

δ_{2000} = 62.1939°





$S/N = 12.14$

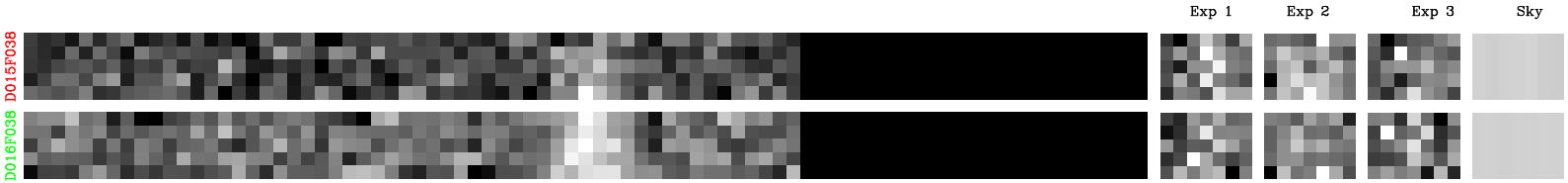
$FWHM_{obs} = 7.59$Å

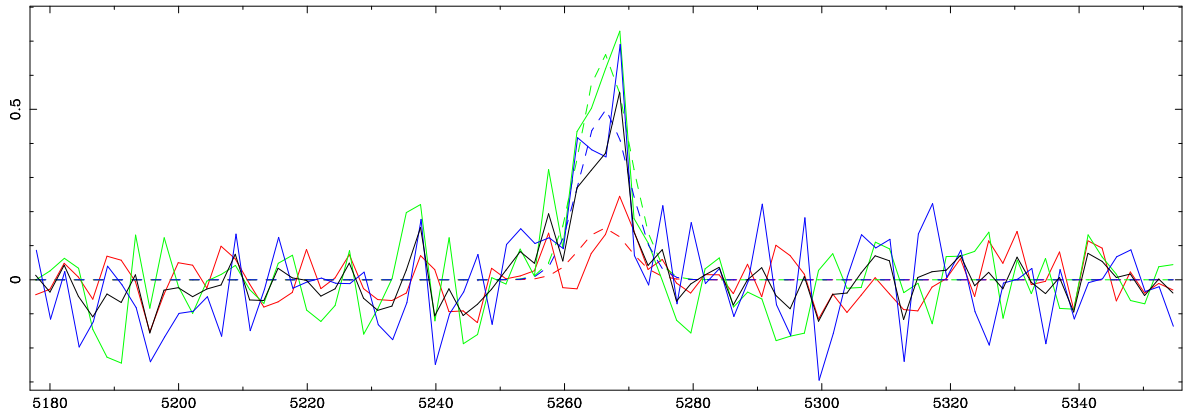
$\lambda_{obs} = 5805.96$Å

$EW_{obs} > 114.66$Å

$\alpha_{2000} = 189.2826°$

$\delta_{2000} = 62.1942°$





$S/N = 12.24$

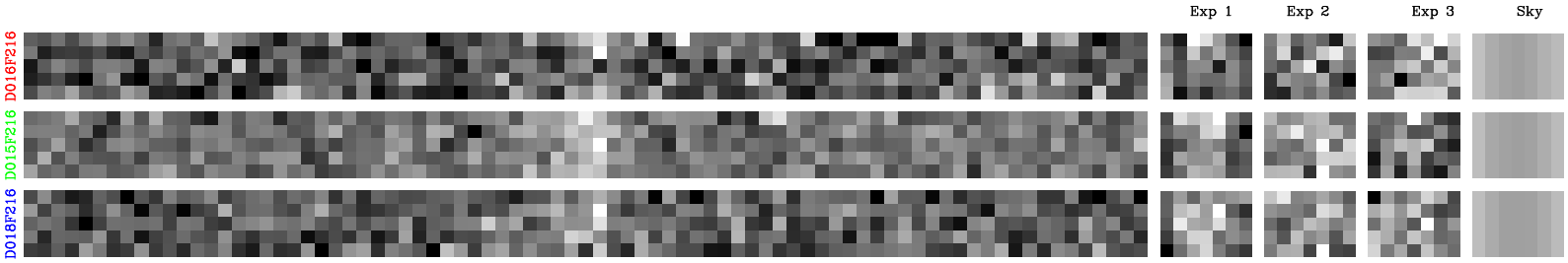
$FWHM_{obs} = 9.01$Å

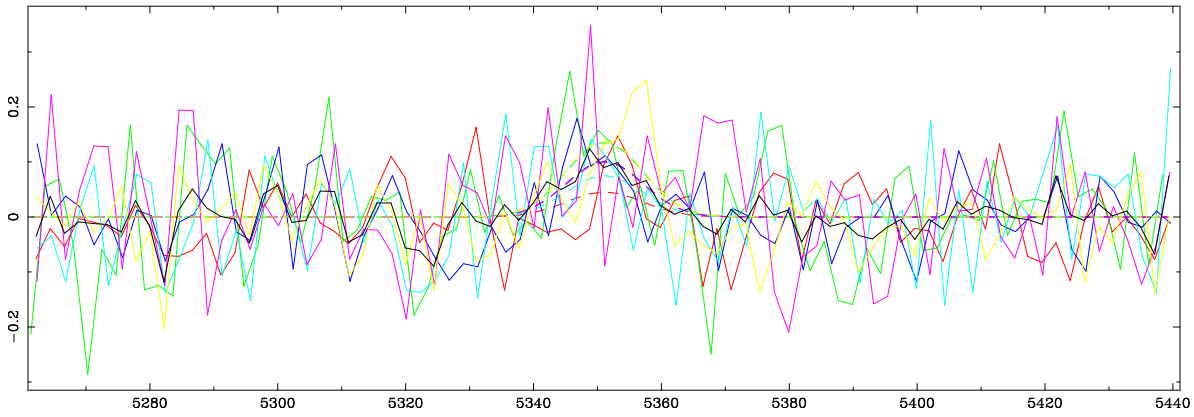
$\lambda_{obs} = 5266.21$Å

$EW_{obs} = 93.41$Å

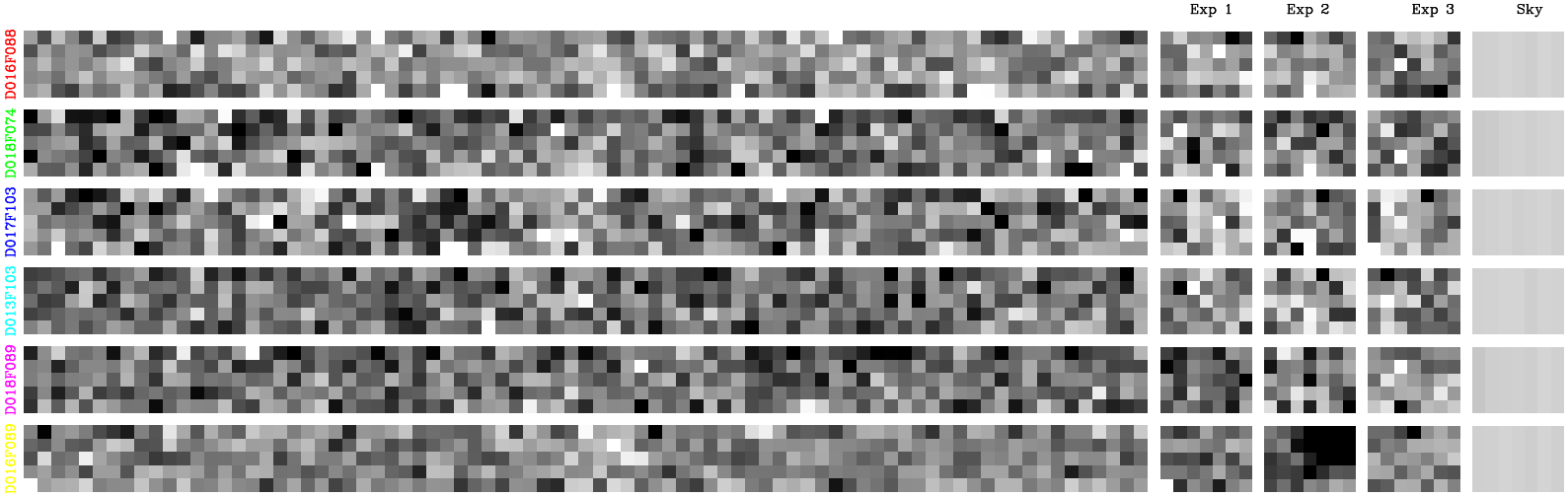
$\alpha_{2000} = 189.2986°$

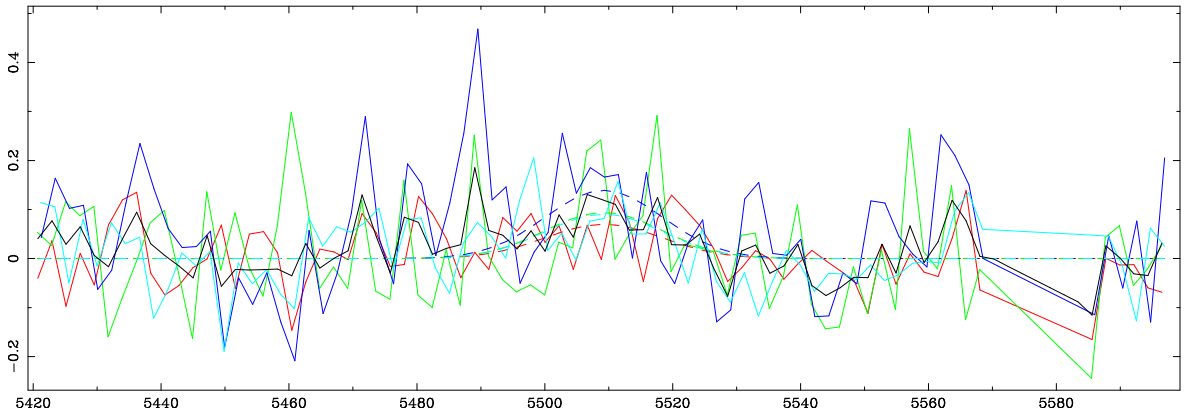
$\delta_{2000} = 62.1726°$





S/N = 5.21
$FWHM_{obs}$ = 13.96Å
λ_{obs} = 5351.12Å
EW_{obs} > 77.23Å
α_{2000} = 189.2493°
δ_{2000} = 62.1874°





S/N = 5.93

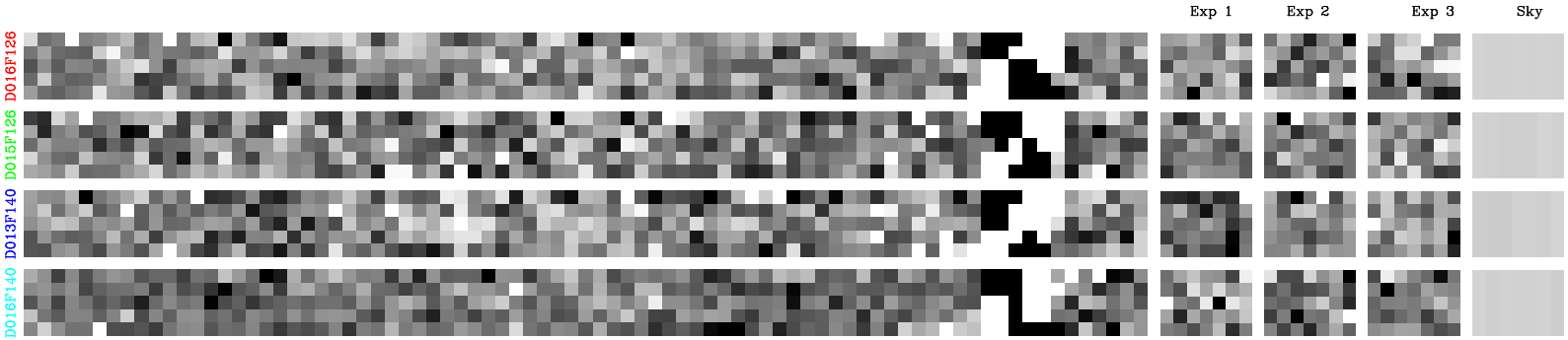
$FWHM_{obs}$ = 21.64Å

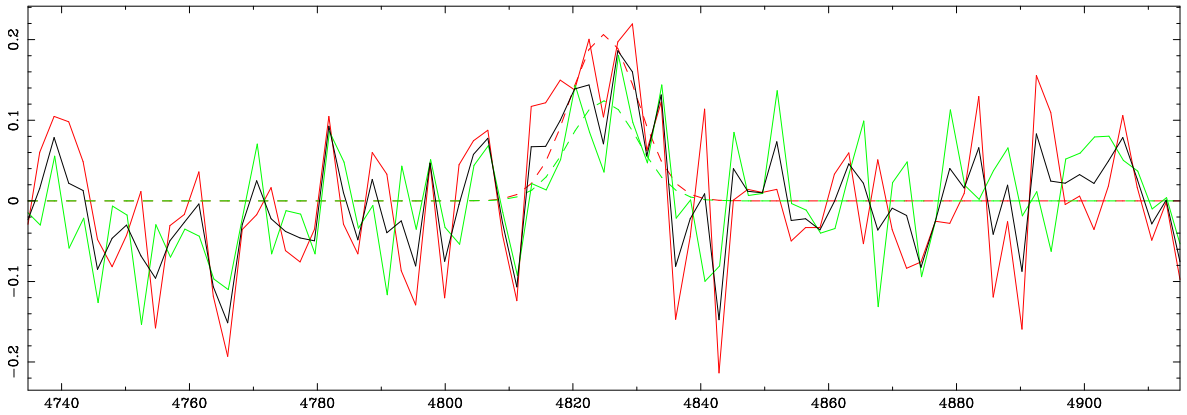
λ_{obs} = 5509.24Å

EW_{obs} = 12.88Å

α_{2000} = 189.2853°

δ_{2000} = 62.1828°





S/N = 5.02

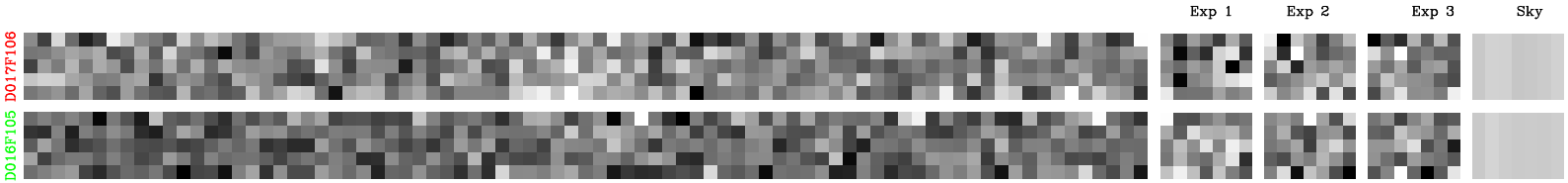
$FWHM_{obs}$ = 12.53Å

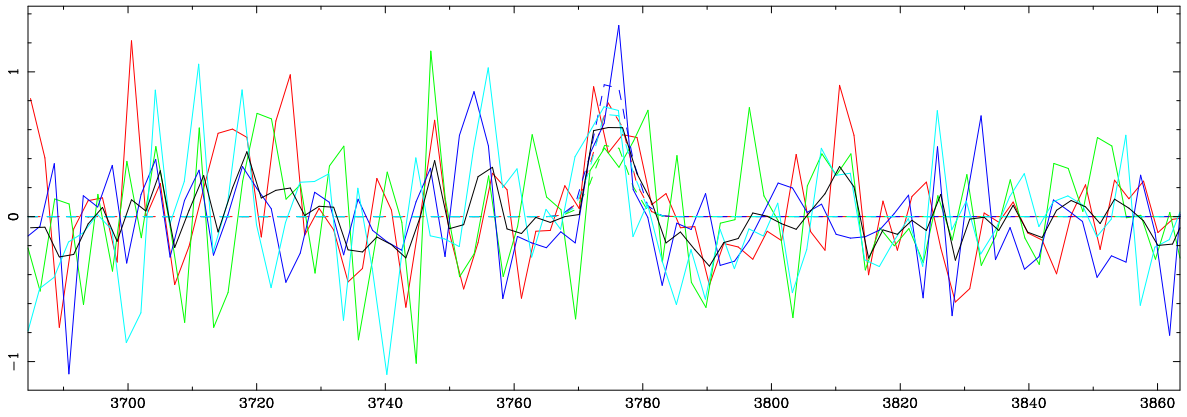
λ_{obs} = 4824.81Å

EW_{obs} > 71.83Å

α_{2000} = 189.2600°

δ_{2000} = 62.1861°





$S/N = 5.46$

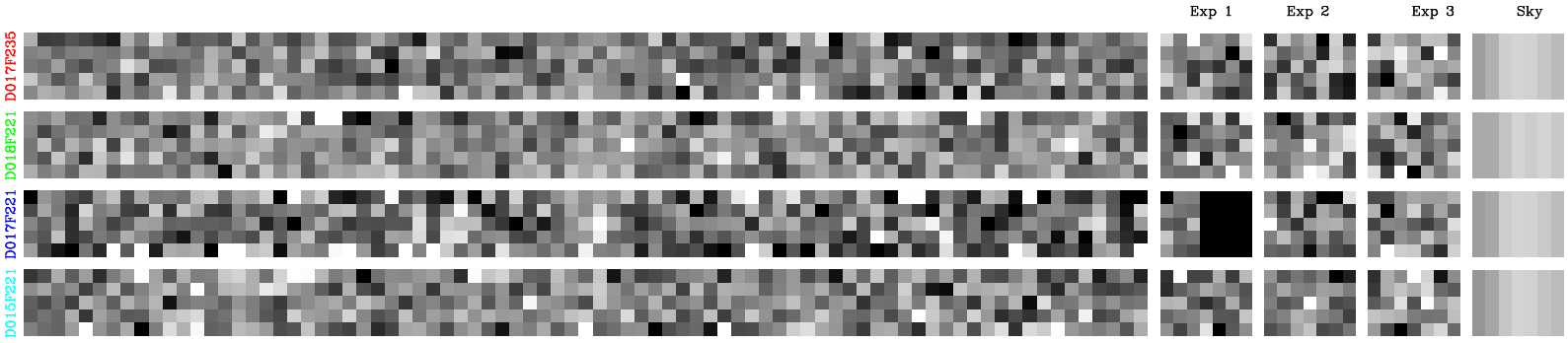
$FWHM_{obs} = 5.93$Å

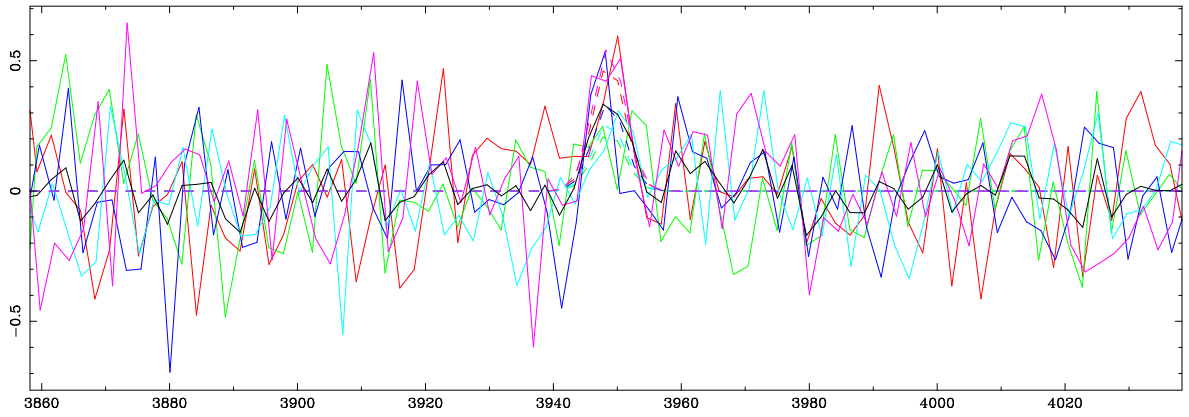
$\lambda_{obs} = 3775.06$Å

$EW_{obs} > 52.48$Å

$\alpha_{2000} = 189.2558°$

$\delta_{2000} = 62.1712°$





$S/N = 5.07$

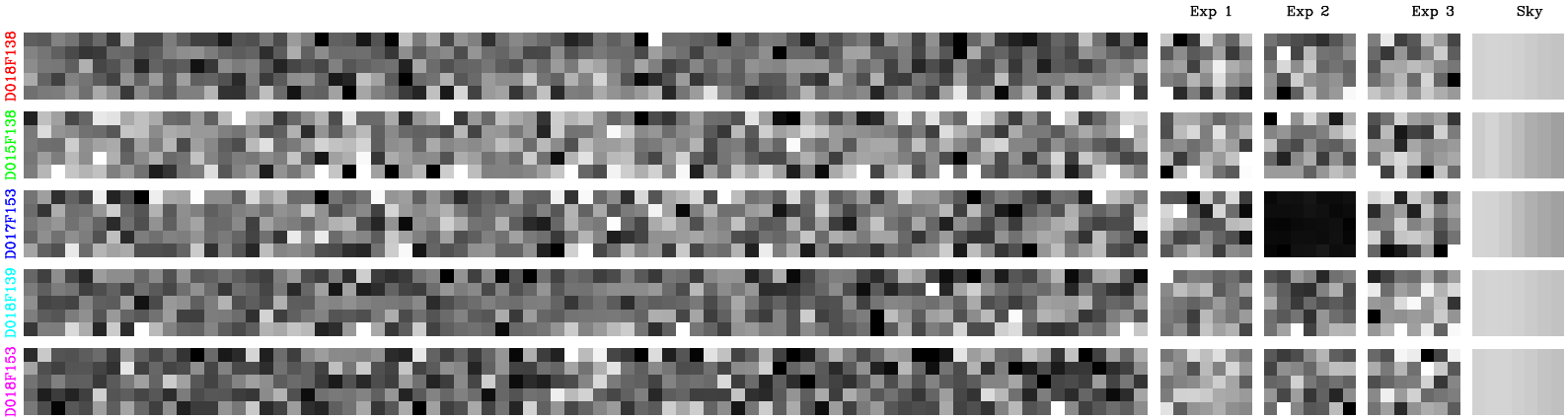
$FWHM_{obs} = 5.86$Å

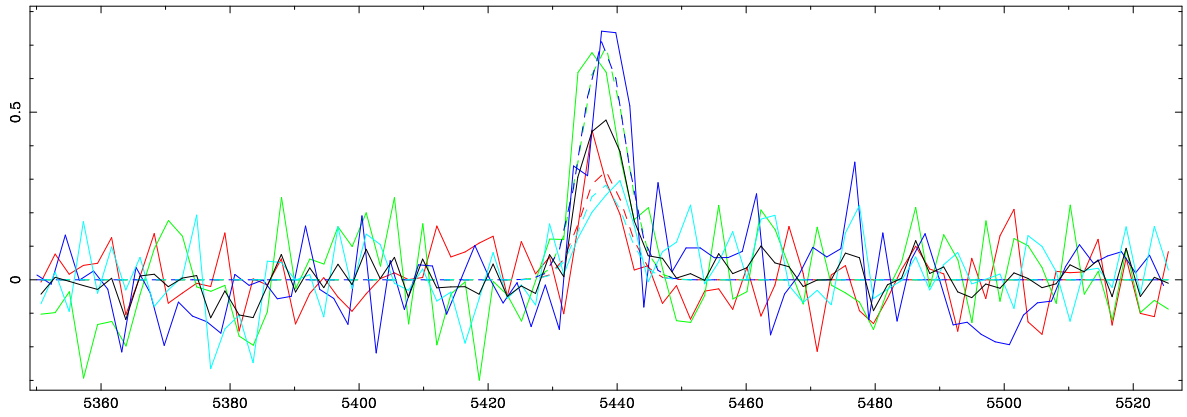
$\lambda_{obs} = 3948.68$Å

$EW_{obs} > 45.89$Å

$\alpha_{2000} = 189.2756°$

$\delta_{2000} = 62.1809°$





S/N = 12.94

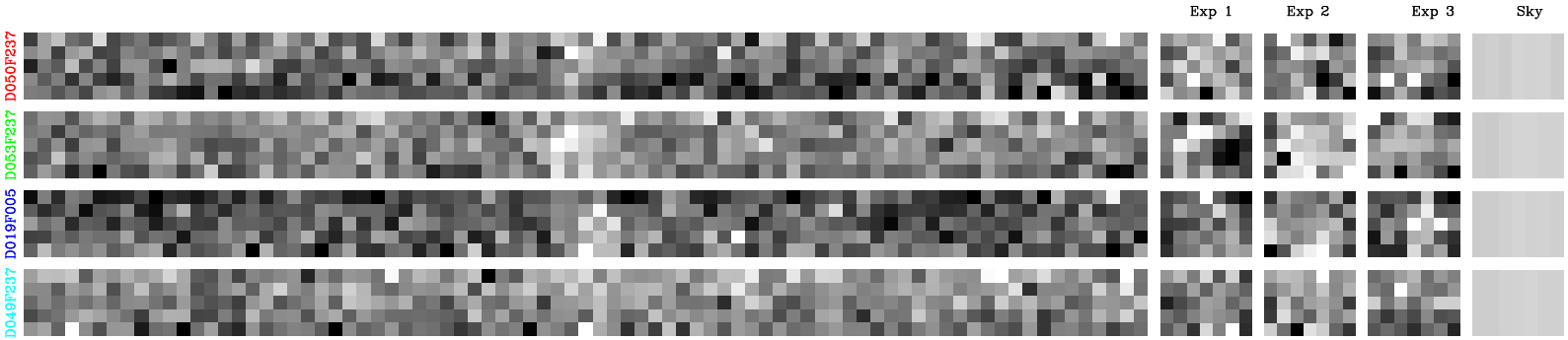
$FWHM_{obs}$ = 7.86Å

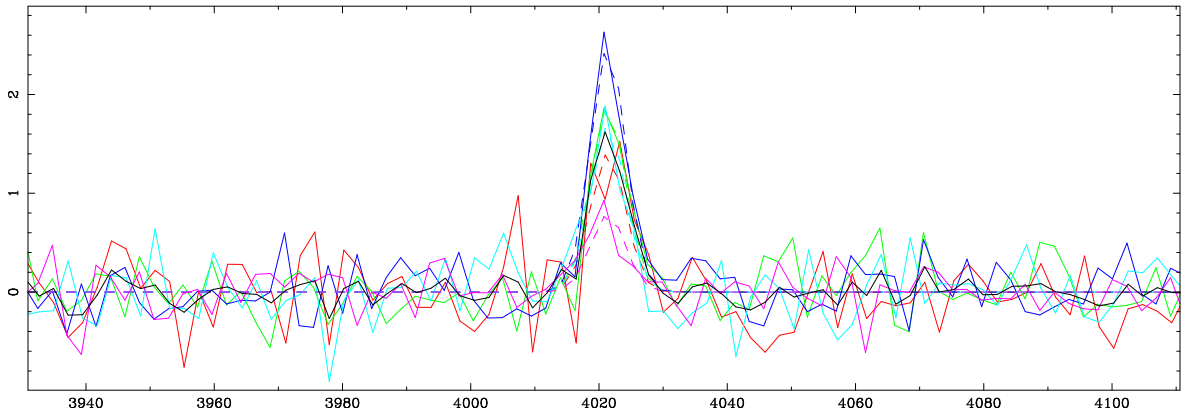
λ_{obs} = 5437.85Å

EW_{obs} = 40.56Å

α_{2000} = 189.1402°

δ_{2000} = 62.1990°





$S/N = 14.08$

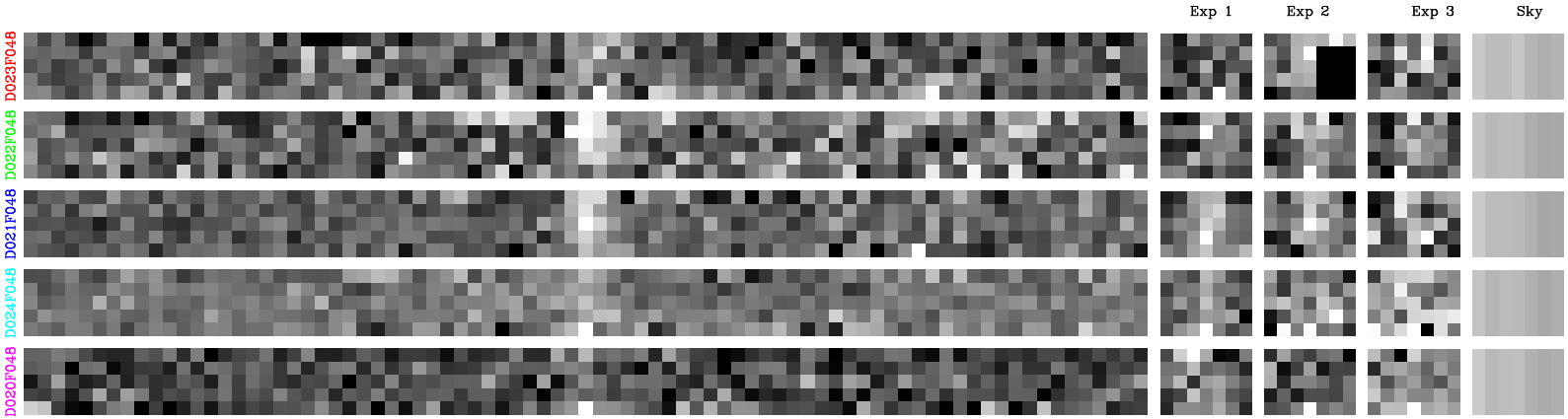
$FWHM_{obs} = 6.45Å$

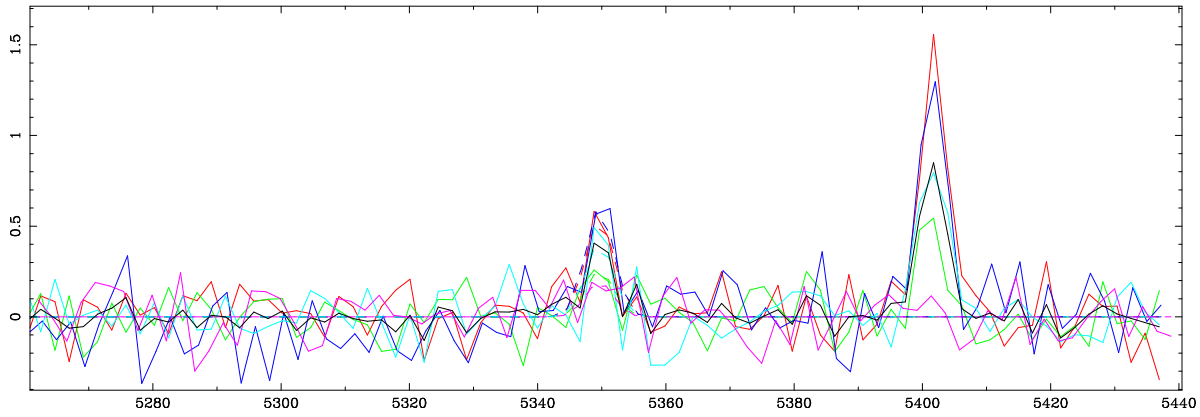
$\lambda_{obs} = 4021.40Å$

$EW_{obs} = 44.96Å$

$\alpha_{2000} = 189.1378°$

$\delta_{2000} = 62.1926°$





S/N = 6.62

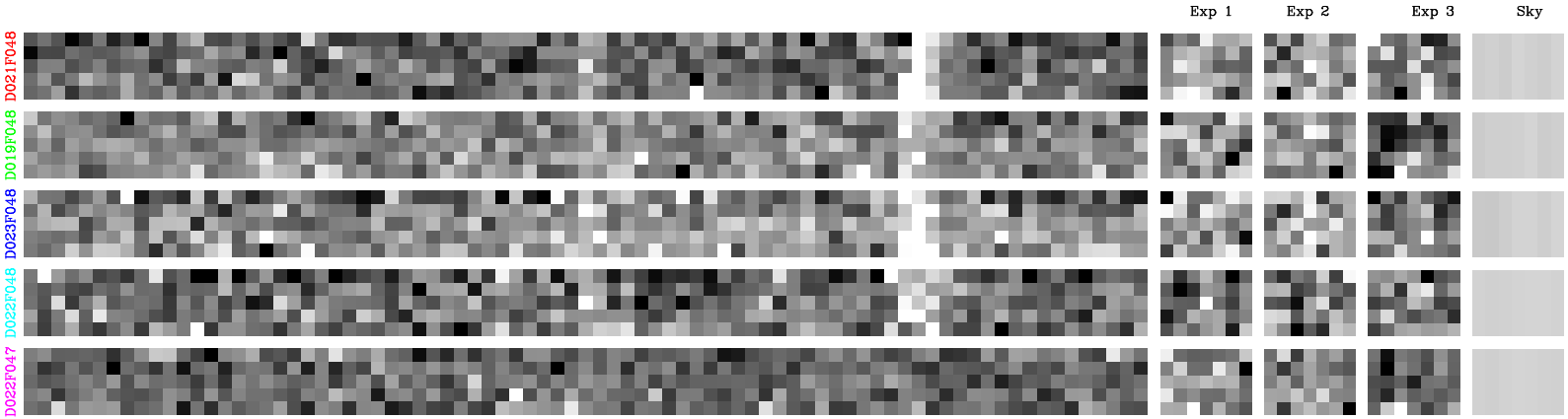
$FWHM_{obs}$ = 5.20Å

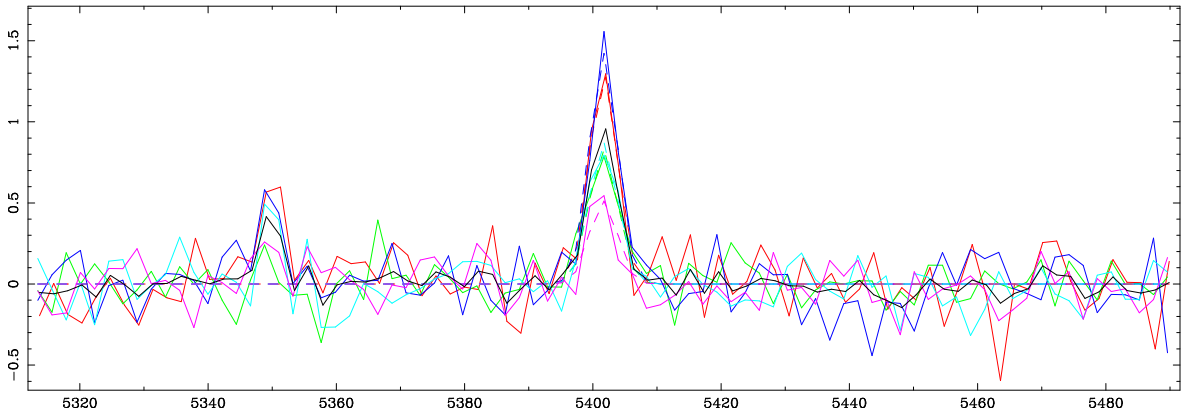
λ_{obs} = 5349.64Å

EW_{obs} = 7.89Å

α_{2000} = 189.1377°

δ_{2000} = 62.1929°





S/N = 17.13

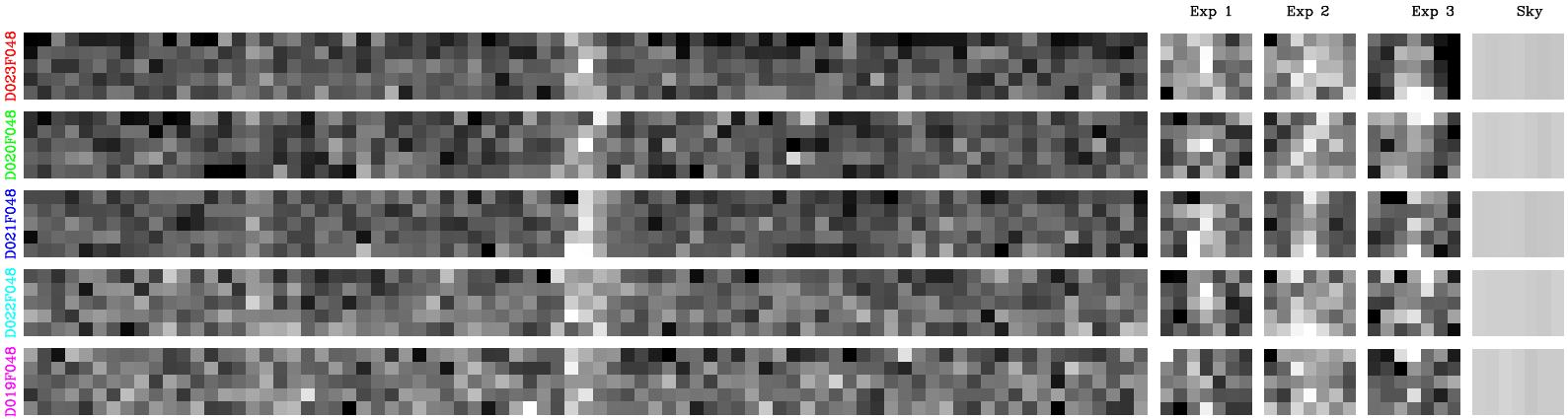
$FWHM_{obs}$ = 5.20Å

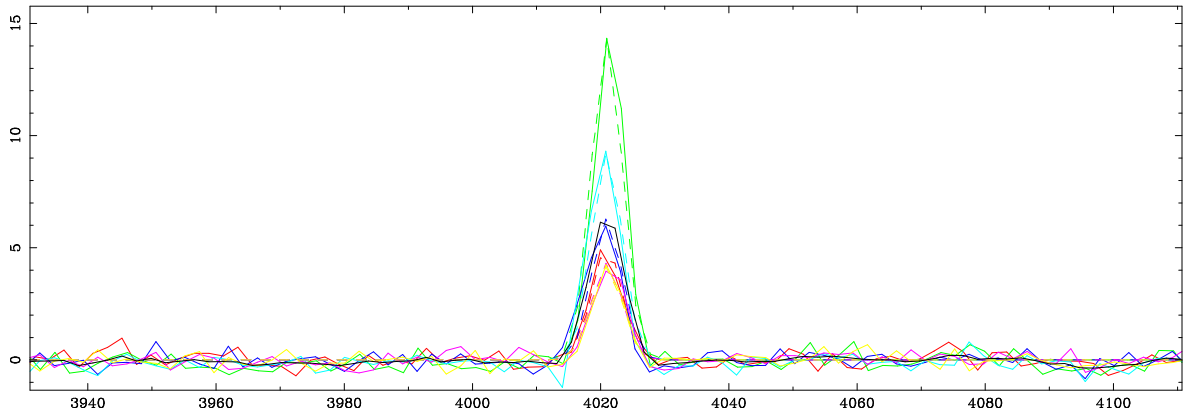
λ_{obs} = 5401.64Å

EW_{obs} = 18.77Å

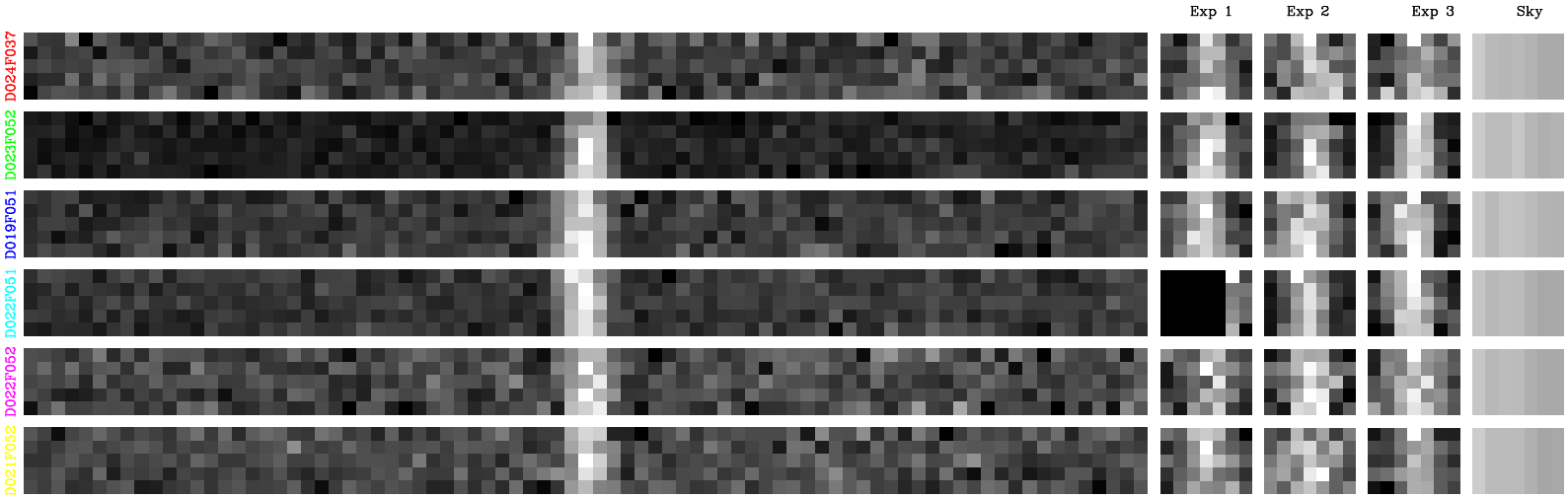
α_{2000} = 189.1378°

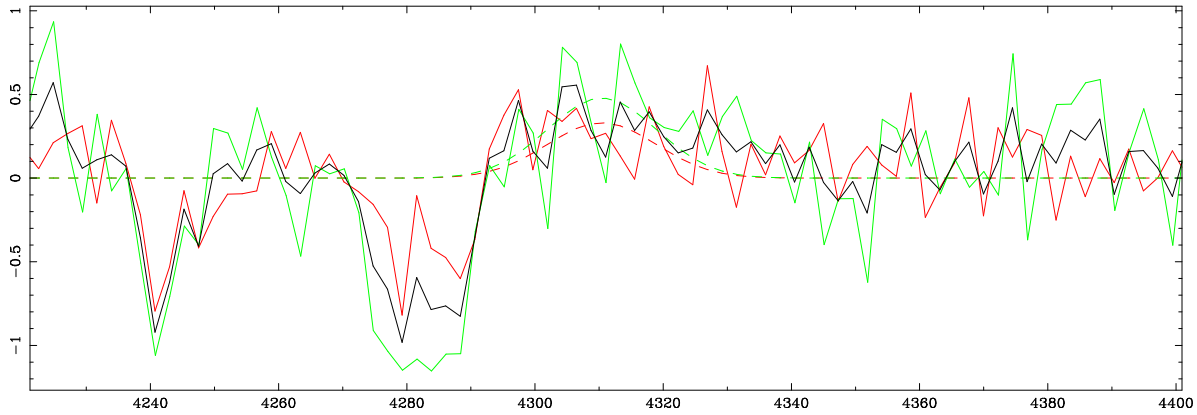
δ_{2000} = 62.1929°





S/N = 50.29
$FWHM_{obs}$ = 5.65Å
λ_{obs} = 4020.96Å
EW_{obs} = 37.70Å
α_{2000} = 189.1536°
δ_{2000} = 62.1931°





S/N = 7.10

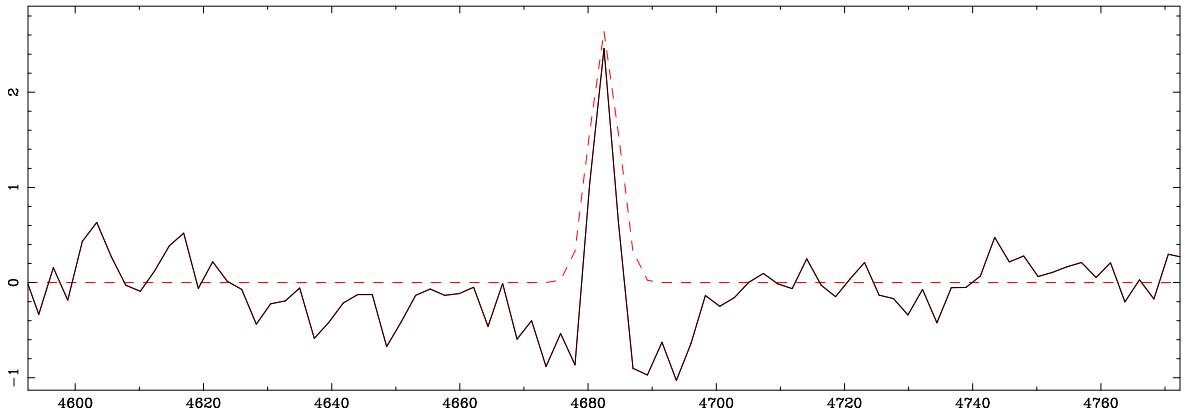
$FWHM_{obs}$ = 20.07Å

λ_{obs} = 4310.42Å

EW_{obs} = 3.10Å

α_{2000} = 189.1531°

δ_{2000} = 62.1927°



S/N = 11.23

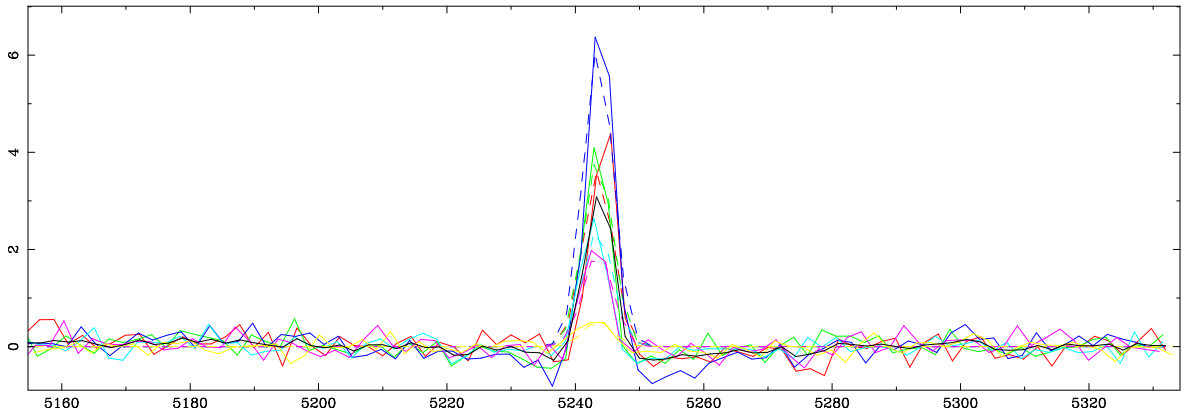
$FWHM_{obs}$ = 5.22Å

λ_{obs} = 4682.48Å

EW_{obs} = 1.85Å

α_{2000} = 189.1537°

δ_{2000} = 62.1927°



$S/N = 38.64$

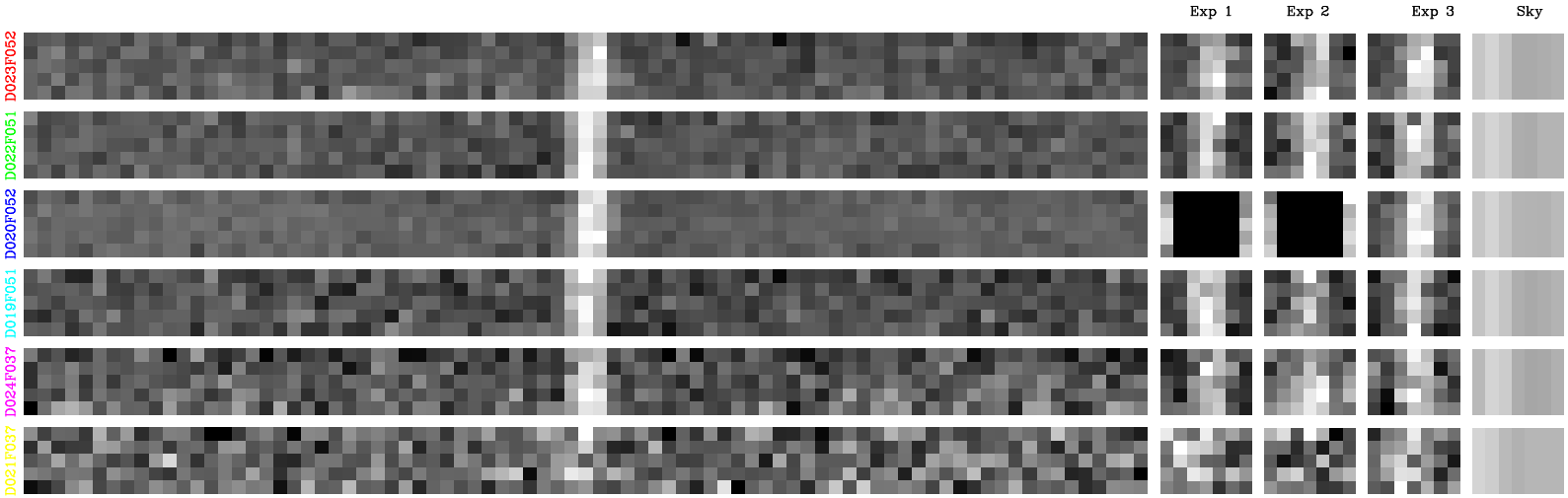
$FWHM_{obs} = 5.46Å$

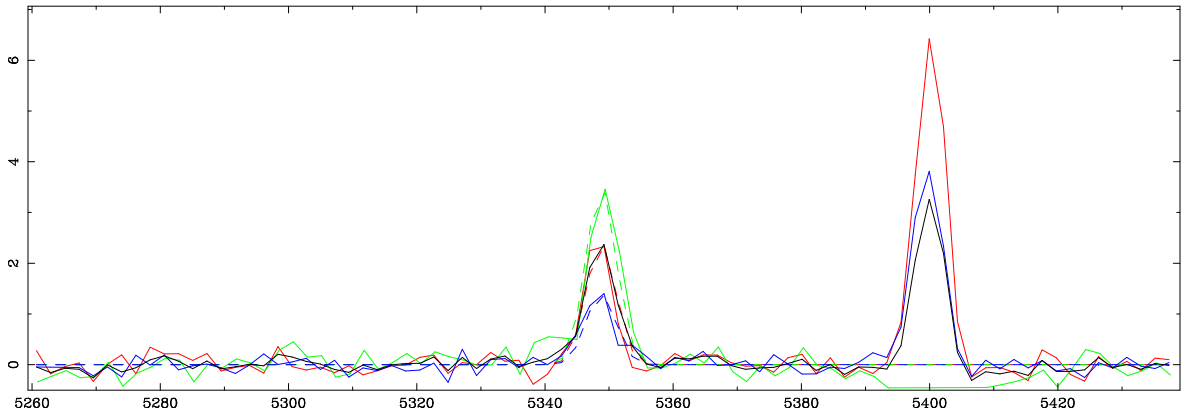
$\lambda_{obs} = 5243.52Å$

$EW_{obs} = 7.77Å$

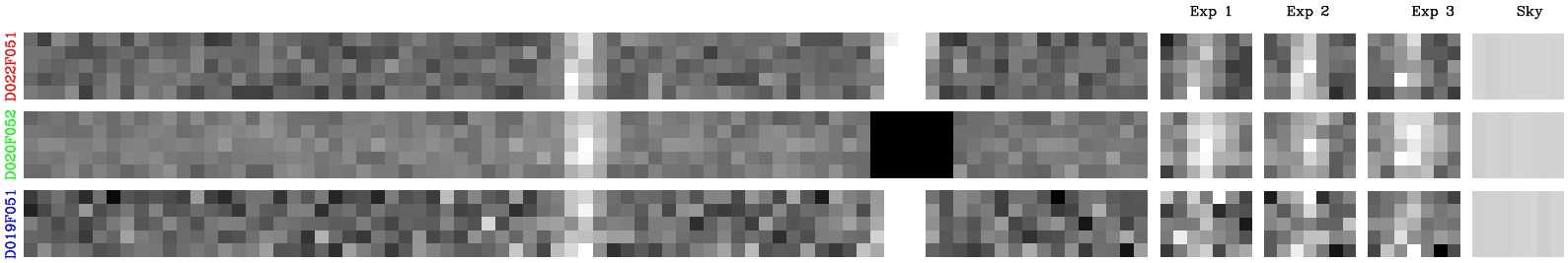
$\alpha_{2000} = 189.1531°$

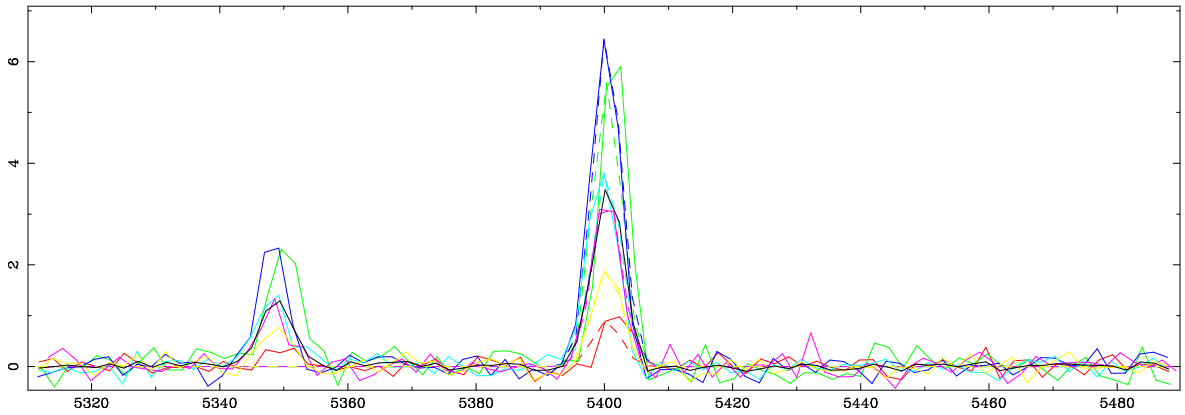
$\delta_{2000} = 62.1931°$





S/N = 30.16
$FWHM_{obs}$ = 5.54Å
λ_{obs} = 5348.77Å
EW_{obs} = 5.12Å
α_{2000} = 189.1528°
δ_{2000} = 62.1928°





$S/N = 60.27$

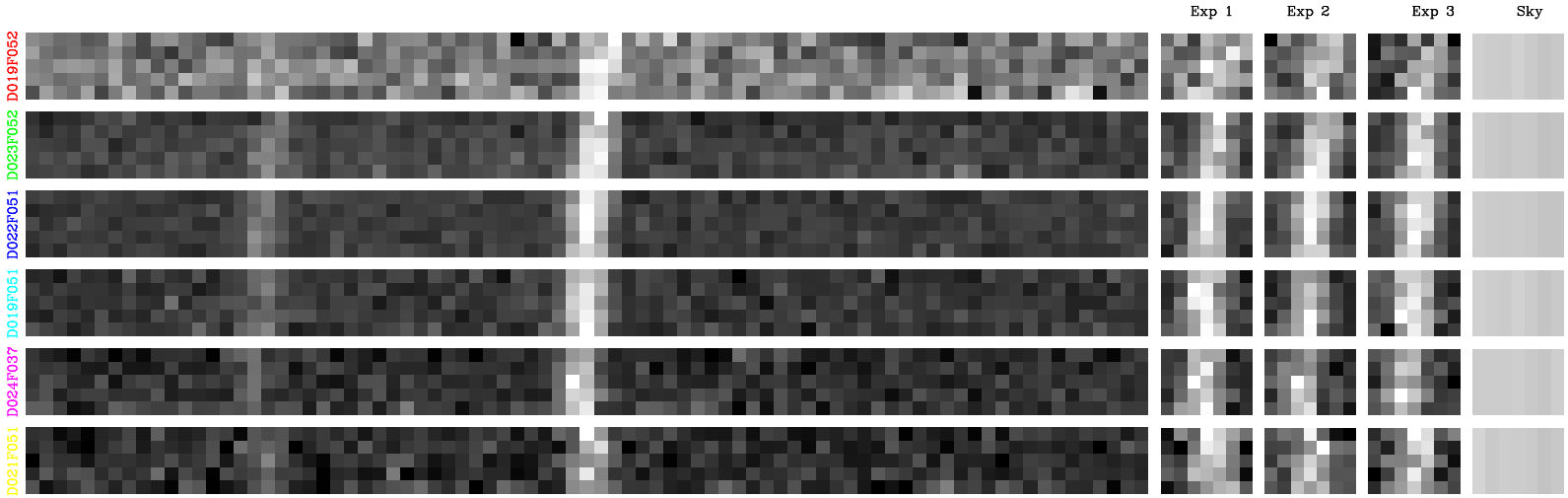
$FWHM_{obs} = 5.24Å$

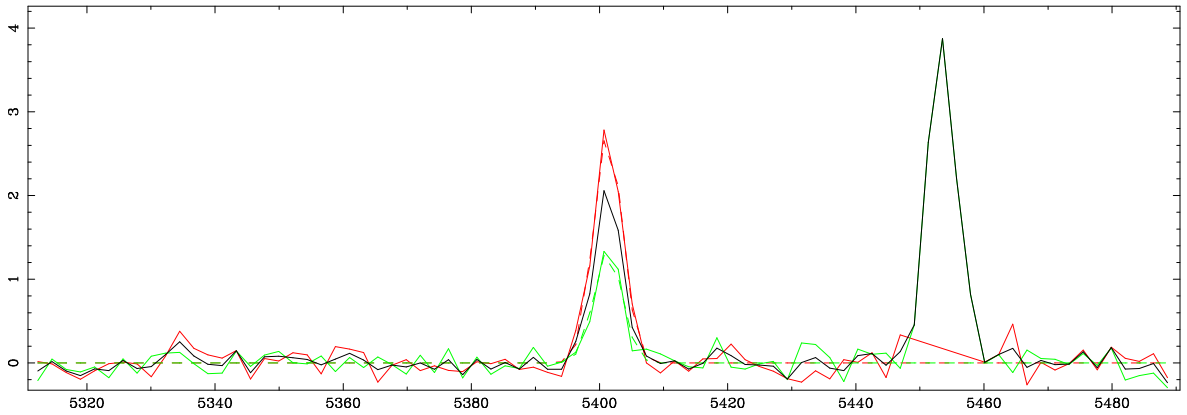
$\lambda_{obs} = 5400.41Å$

$EW_{obs} = 14.26Å$

$\alpha_{2000} = 189.1527°$

$\delta_{2000} = 62.1931°$





$S/N = 22.98$

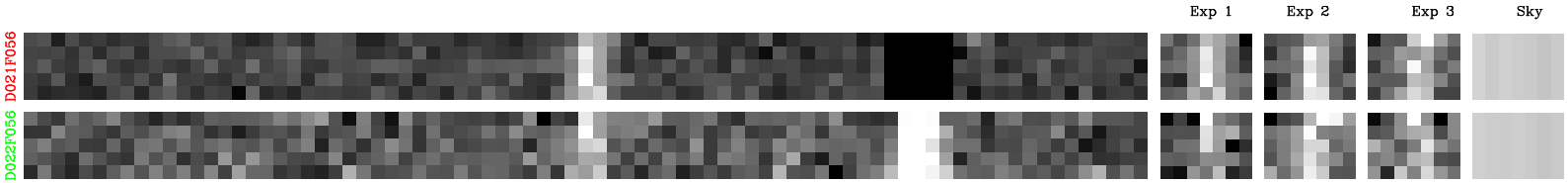
$FWHM_{obs} = 5.23$Å

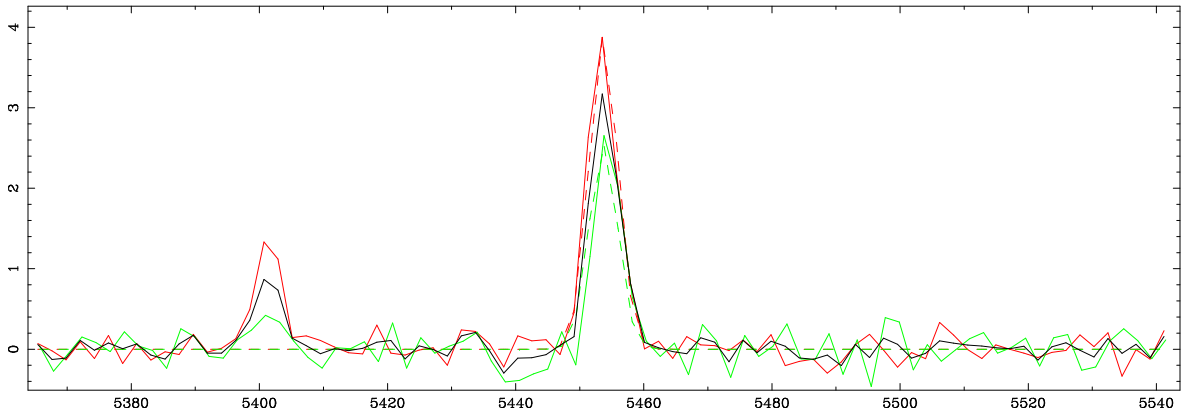
$\lambda_{obs} = 5401.30$Å

$EW_{obs} = 10.81$Å

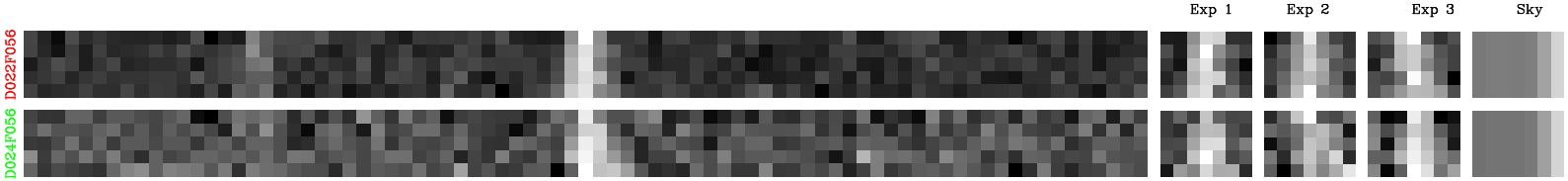
$\alpha_{2000} = 189.1736°$

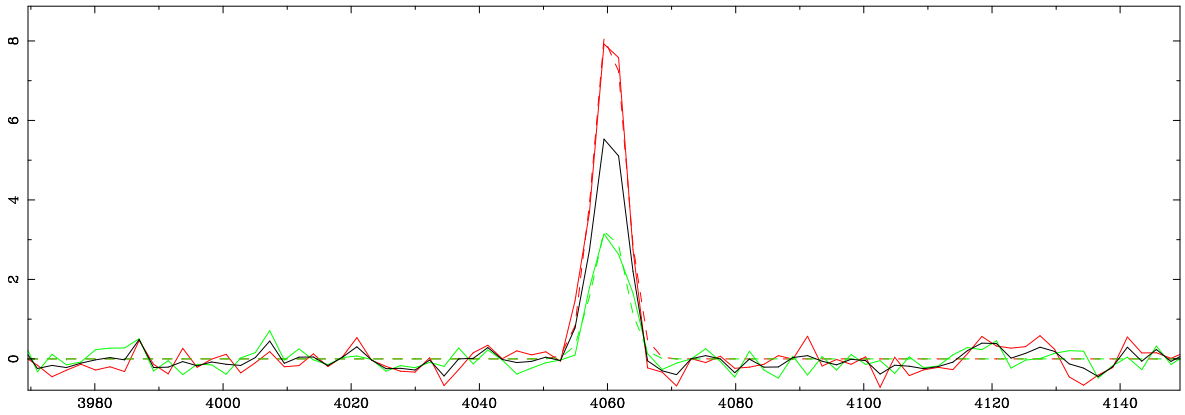
$\delta_{2000} = 62.1922°$





S/N = 28.08
$FWHM_{obs}$ = 5.27Å
λ_{obs} = 5453.70Å
EW_{obs} = 32.20Å
α_{2000} = 189.1732°
δ_{2000} = 62.1924°





$S/N = 32.82$

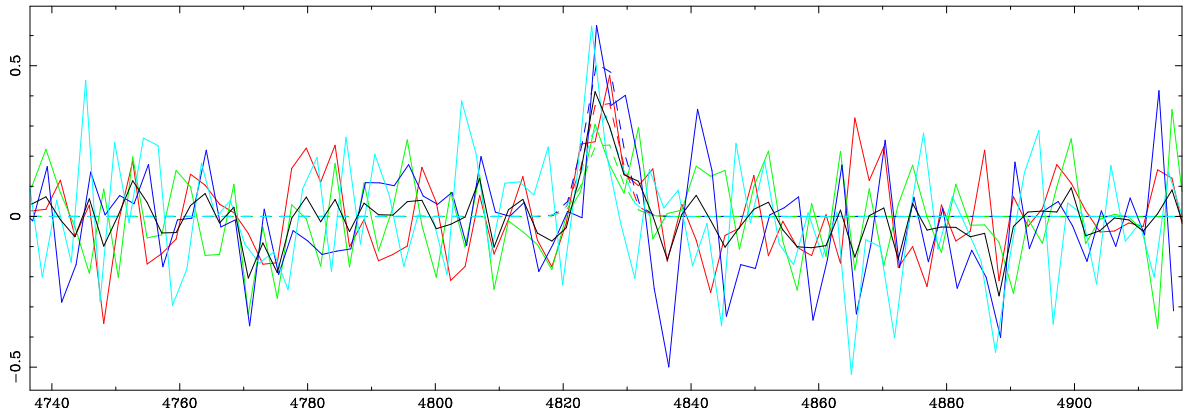
$FWHM_{obs} = 5.85Å$

$\lambda_{obs} = 4060.29Å$

$EW_{obs} = 42.34Å$

$\alpha_{2000} = 189.1736°$

$\delta_{2000} = 62.1922°$



S/N = 5.57

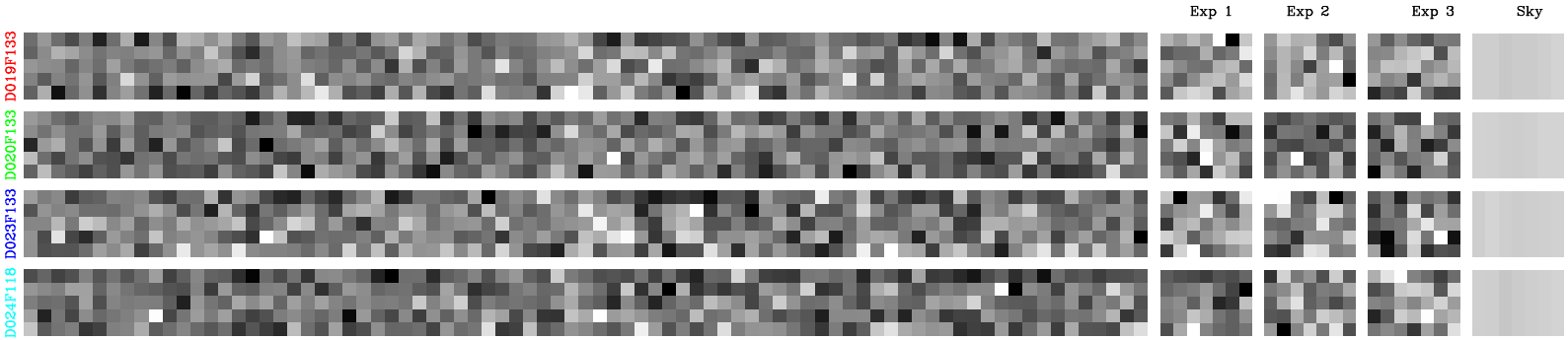
$FWHM_{obs}$ = 5.90Å

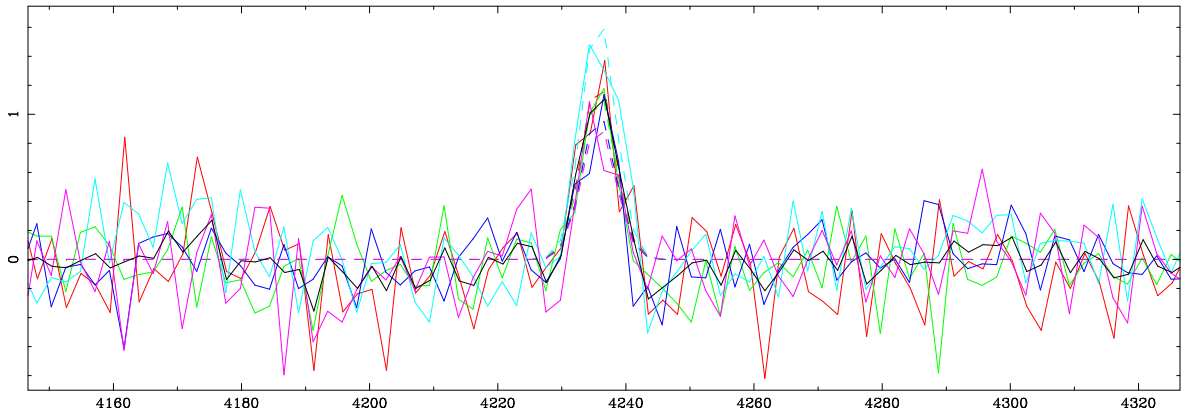
λ_{obs} = 4826.18Å

EW_{obs} = 21.44Å

α_{2000} = 189.1277°

δ_{2000} = 62.1828°





S/N = 15.92

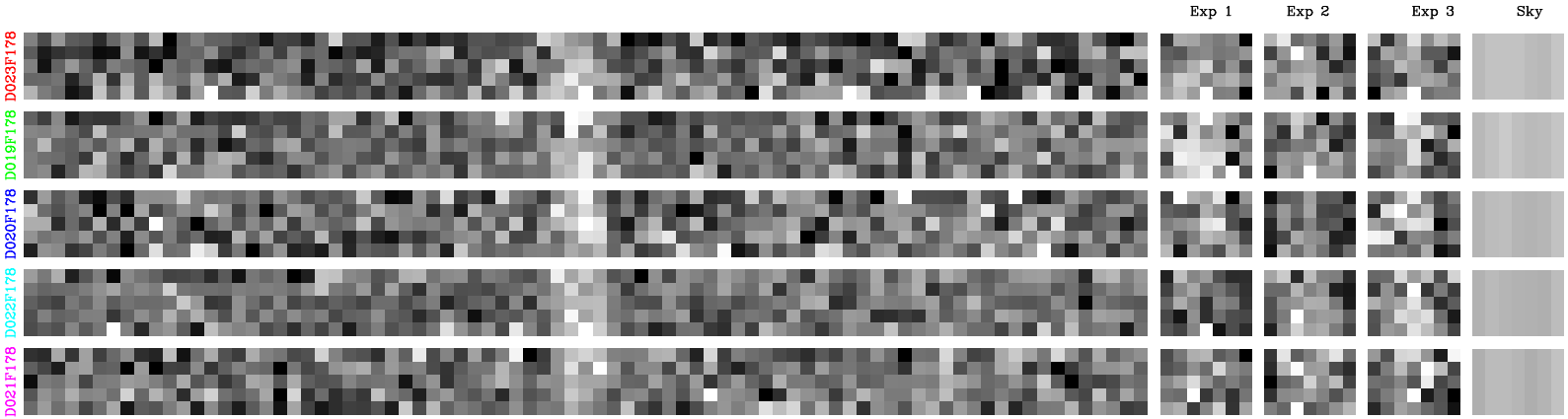
$FWHM_{obs}$ = 6.22Å

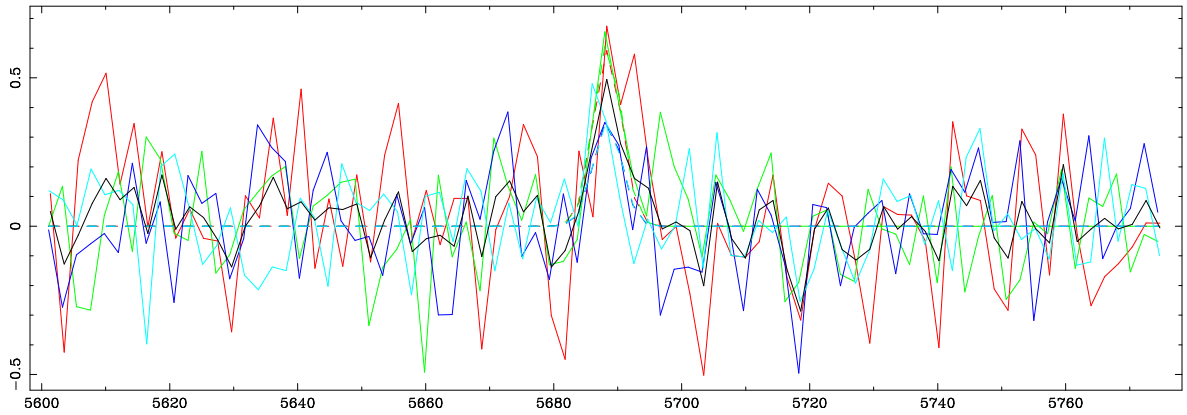
λ_{obs} = 4235.73Å

EW_{obs} = 28.48Å

α_{2000} = 189.1353°

δ_{2000} = 62.1769°





S/N = 6.67

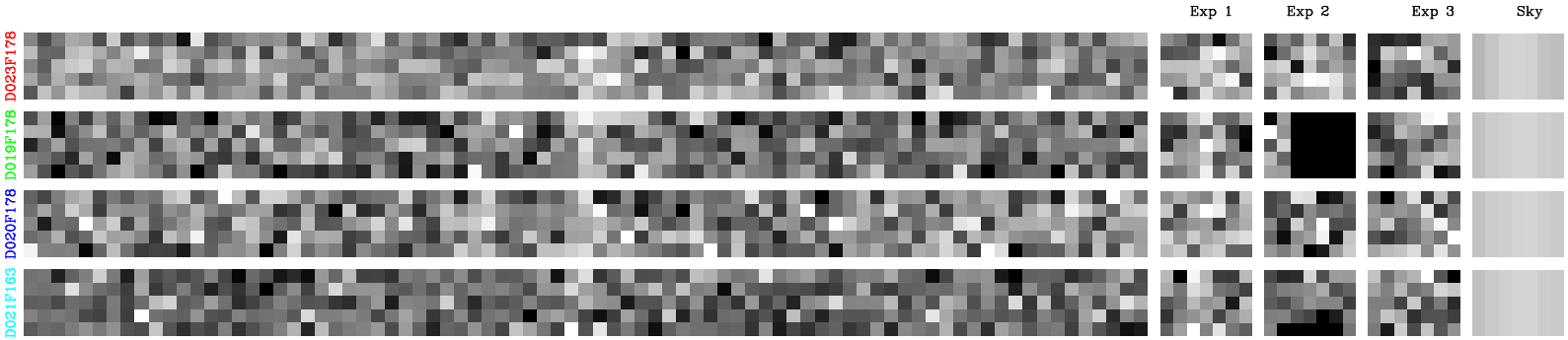
$FWHM_{obs}$ = 5.21Å

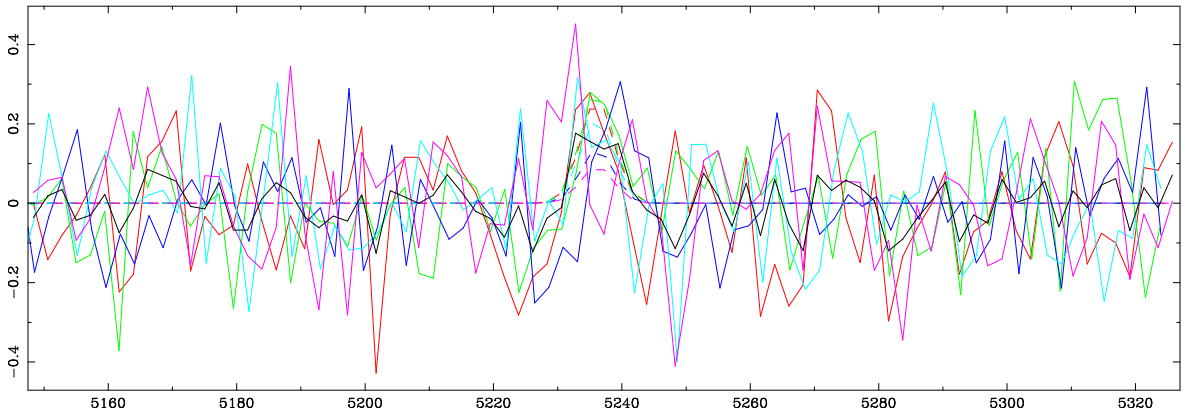
λ_{obs} = 5688.39Å

EW_{obs} = 9.54Å

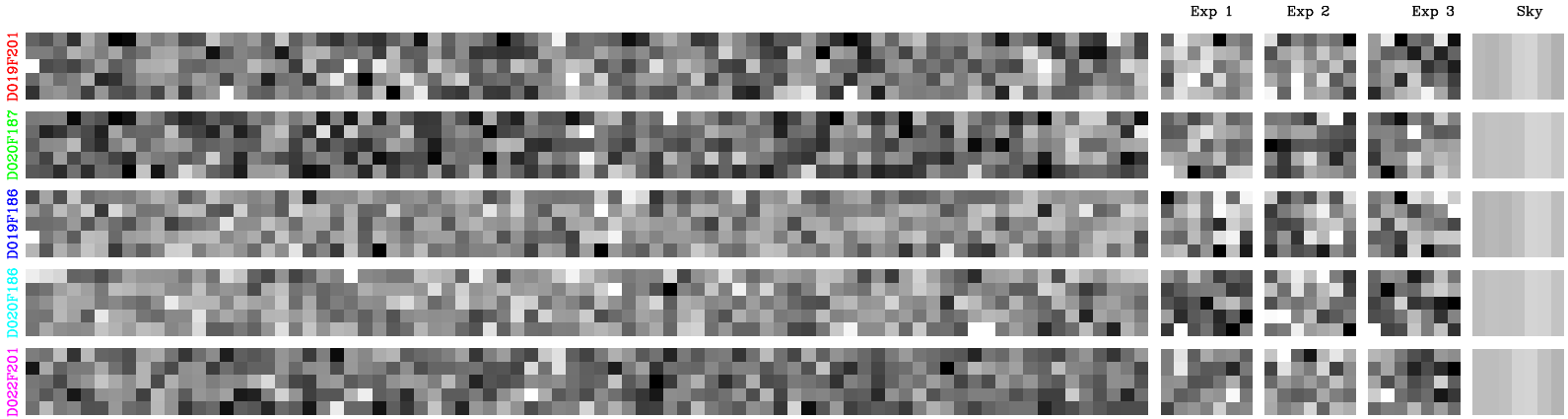
α_{2000} = 189.1345°

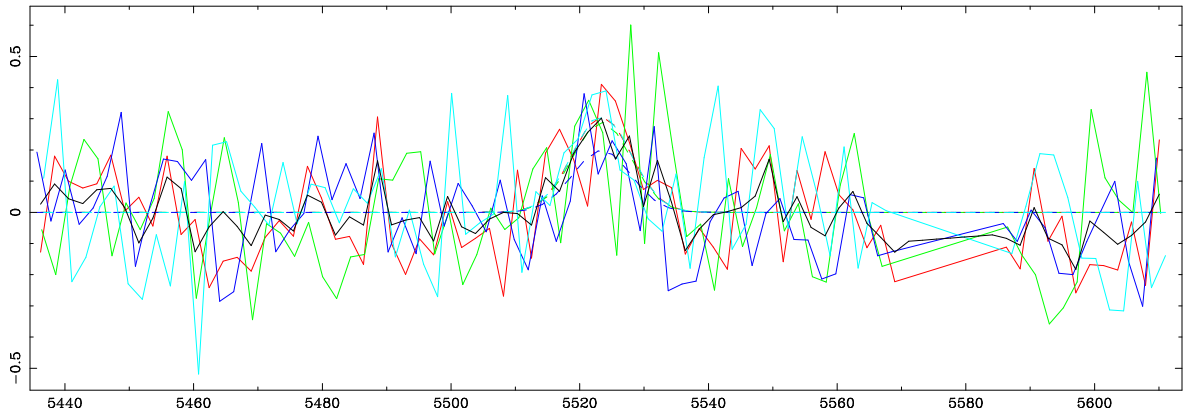
δ_{2000} = 62.1774°





S/N = 5.20
$FWHM_{obs}$ = 6.08Å
λ_{obs} = 5236.11Å
EW_{obs} > 48.24Å
α_{2000} = 189.1717°
δ_{2000} = 62.1762°





S/N = 5.89

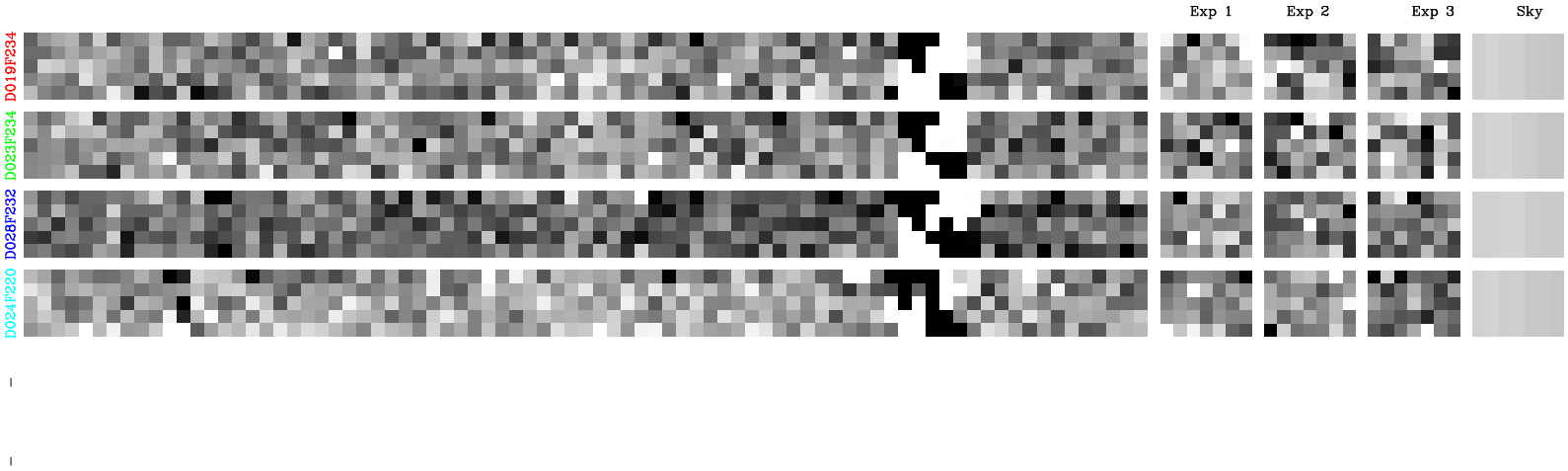
$FWHM_{obs}$ = 10.69Å

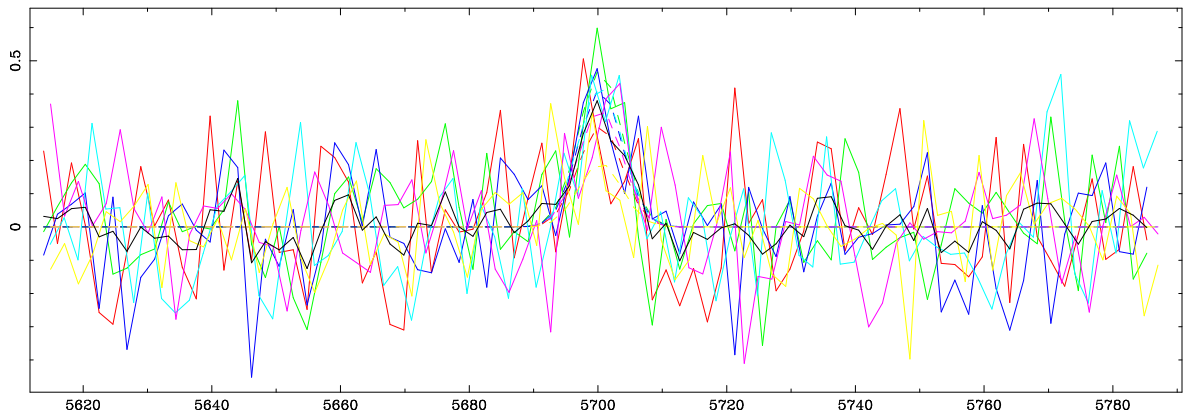
λ_{obs} = 5523.42Å

EW_{obs} > 74.49Å

α_{2000} = 189.1261°

δ_{2000} = 62.1706°





$S/N = 8.65$

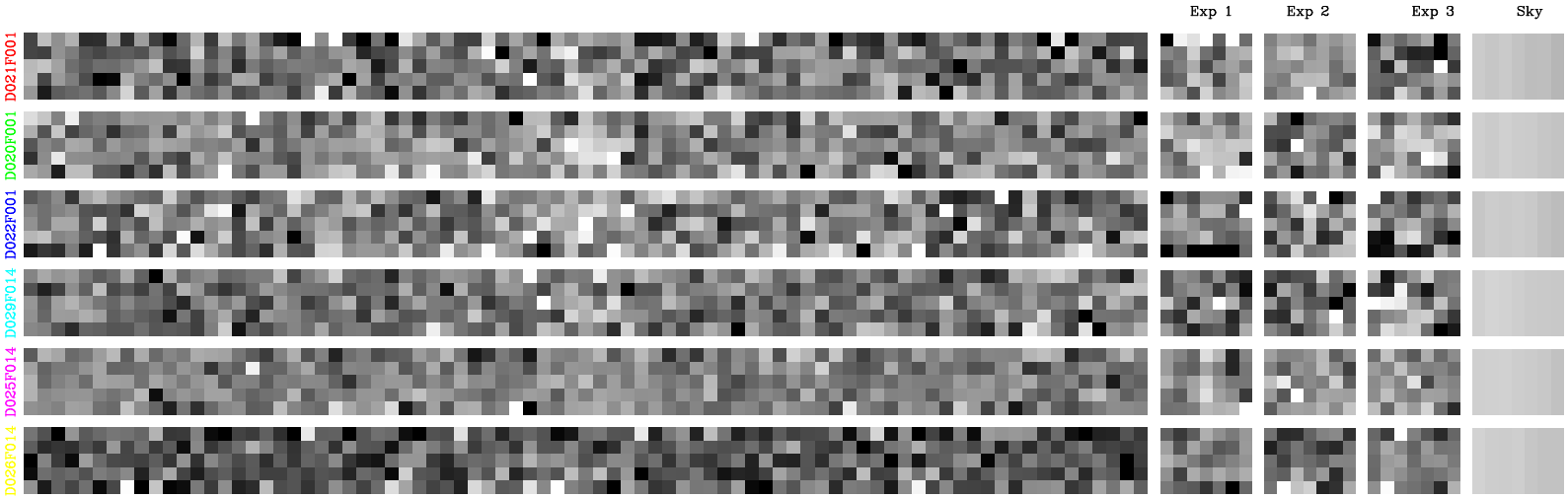
$FWHM_{obs} = 7.97Å$

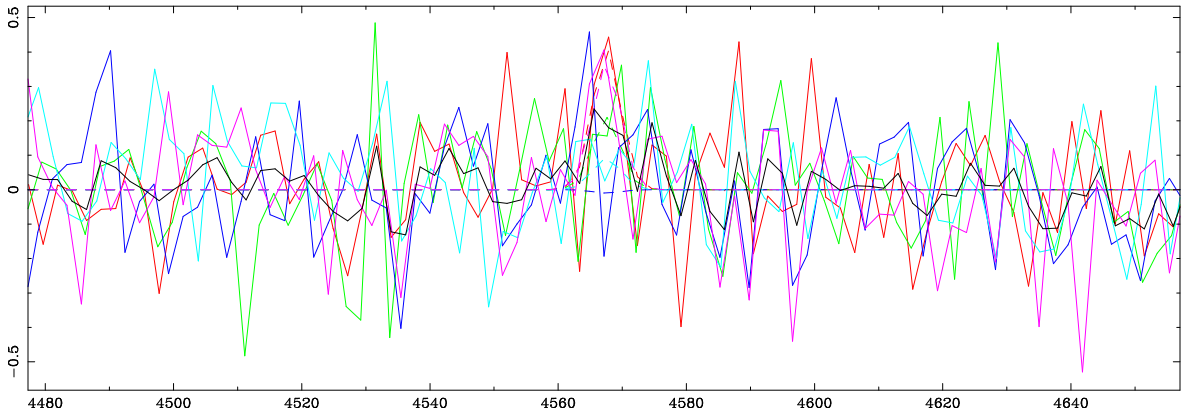
$\lambda_{obs} = 5700.37Å$

$EW_{obs} = 47.39Å$

$\alpha_{2000} = 189.1218°$

$\delta_{2000} = 62.1980°$





S/N = 5.24

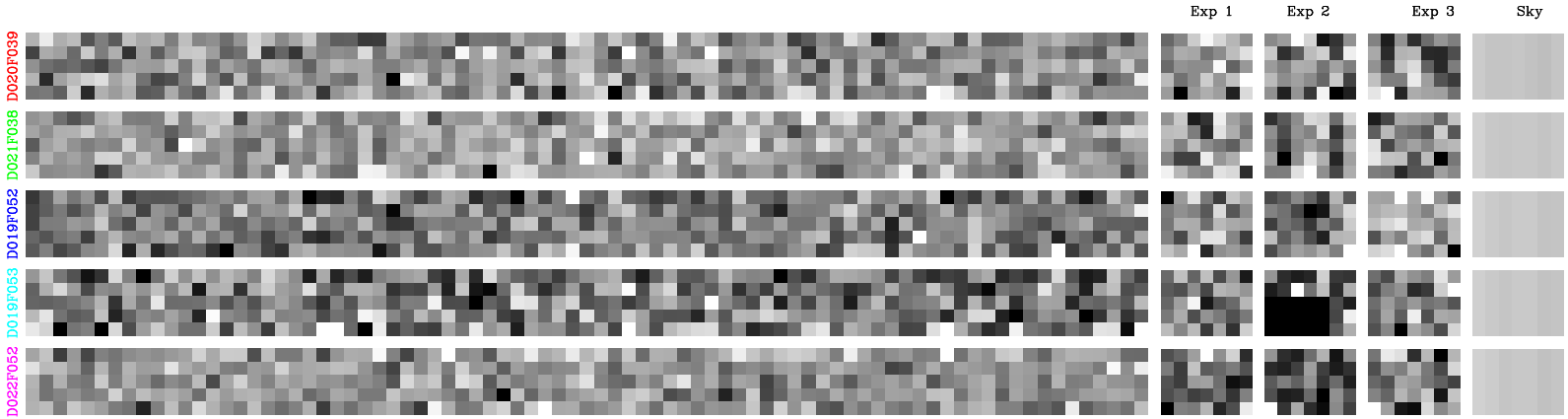
$FWHM_{obs}$ = 5.20Å

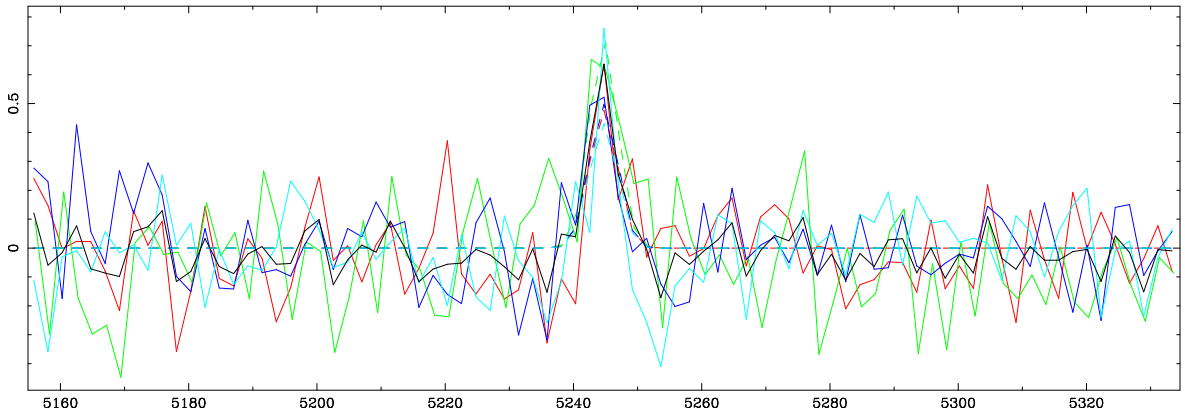
λ_{obs} = 4567.56Å

EW_{obs} = 10.18Å

α_{2000} = 189.1586°

δ_{2000} = 62.1937°





S/N = 7.76

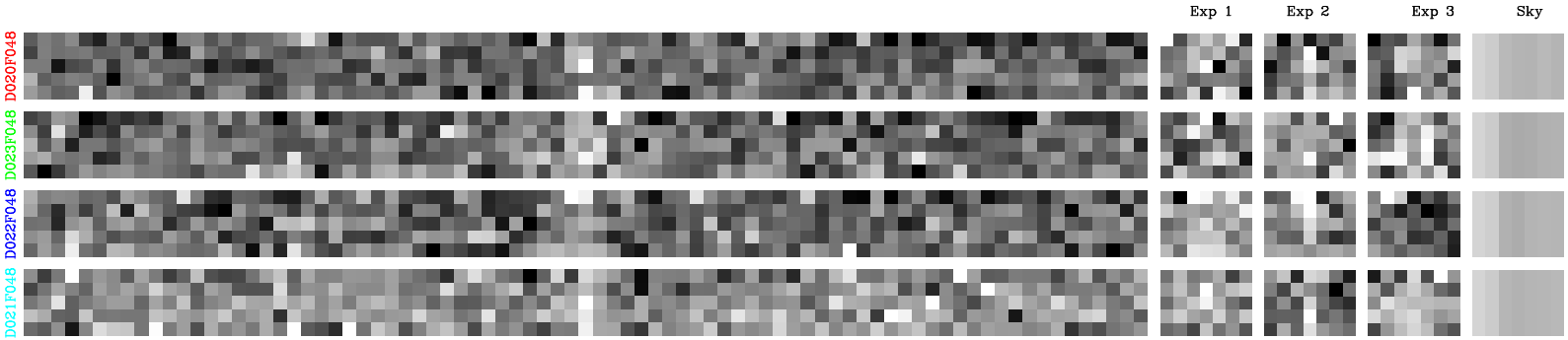
$FWHM_{obs}$ = 5.20Å

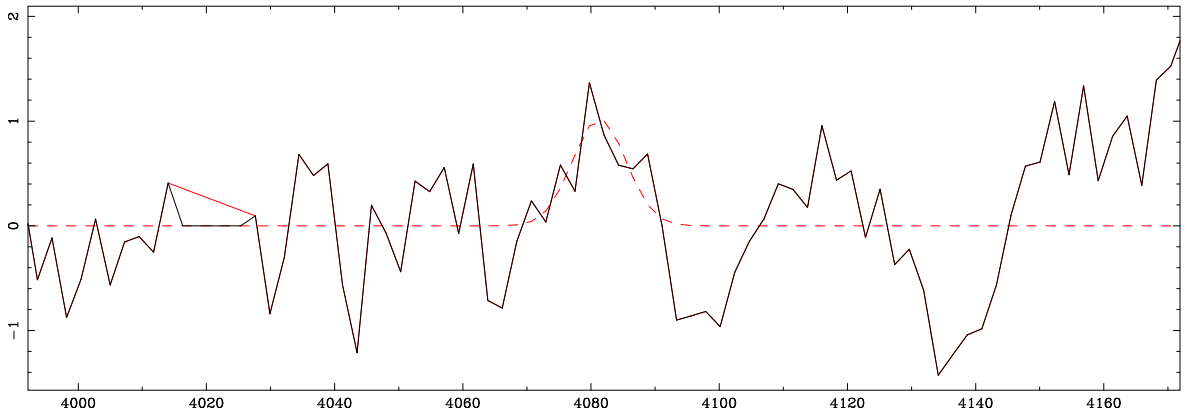
λ_{obs} = 5244.68Å

EW_{obs} = 9.81Å

α_{2000} = 189.1376°

δ_{2000} = 62.1929°





$S/N = 5.55$

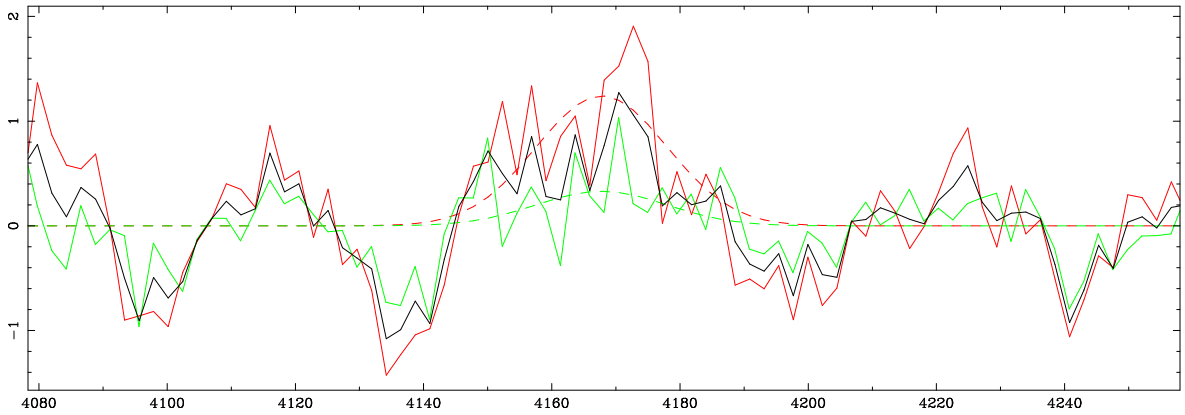
$FWHM_{obs} = 9.87Å$

$\lambda_{obs} = 4081.28Å$

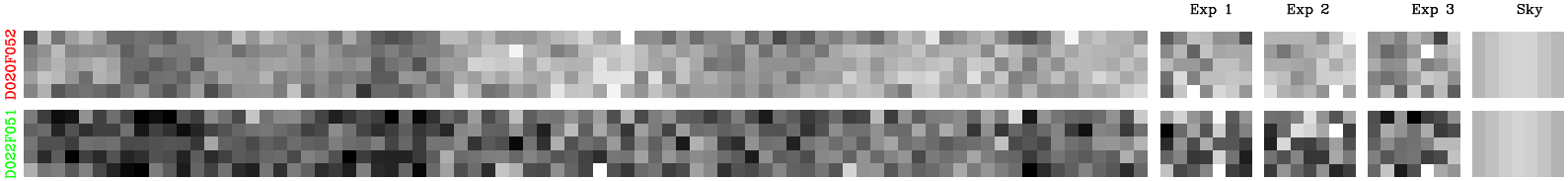
$EW_{obs} = 2.67Å$

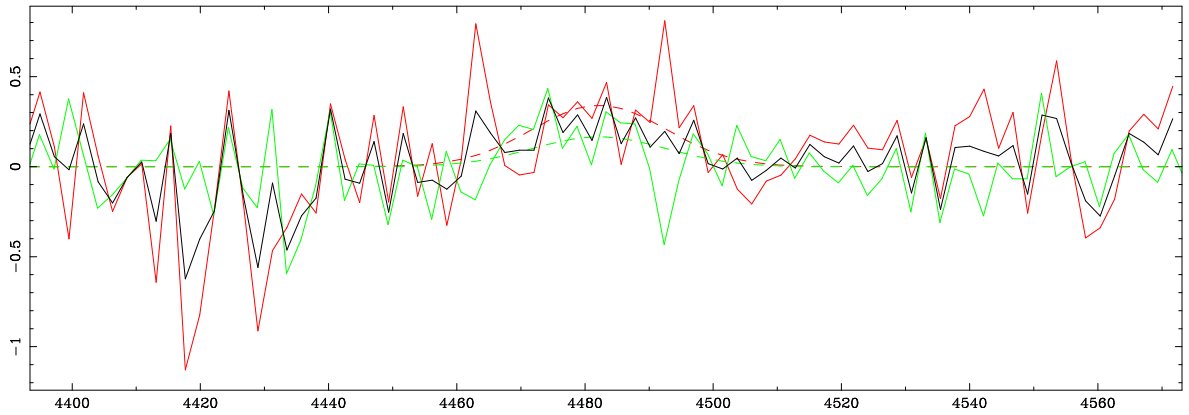
$\alpha_{2000} = 189.1537°$

$\delta_{2000} = 62.1927°$



S/N = 11.28
$FWHM_{obs}$ = 24.07Å
λ_{obs} = 4167.78Å
EW_{obs} = 7.30Å
α_{2000} = 189.1534°
δ_{2000} = 62.1927°





S/N = 5.33

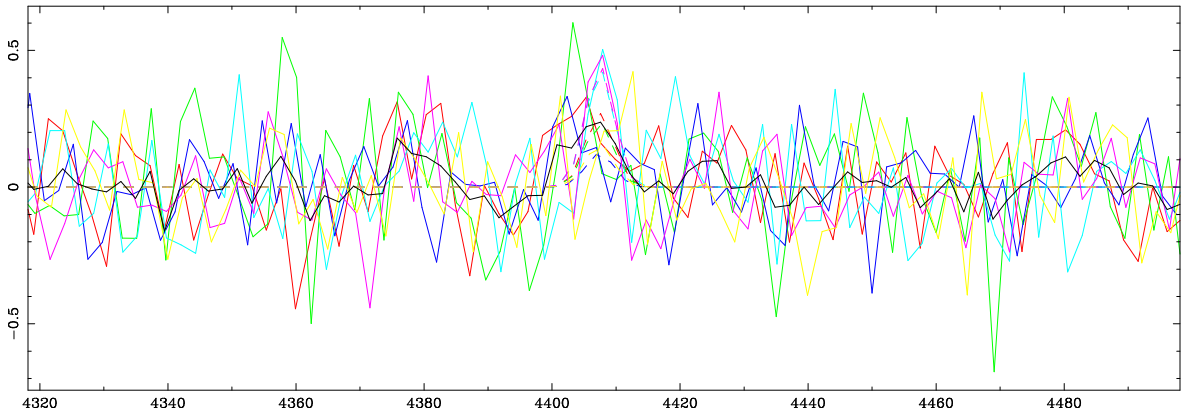
$FWHM_{obs}$ = 24.59Å

λ_{obs} = 4482.22Å

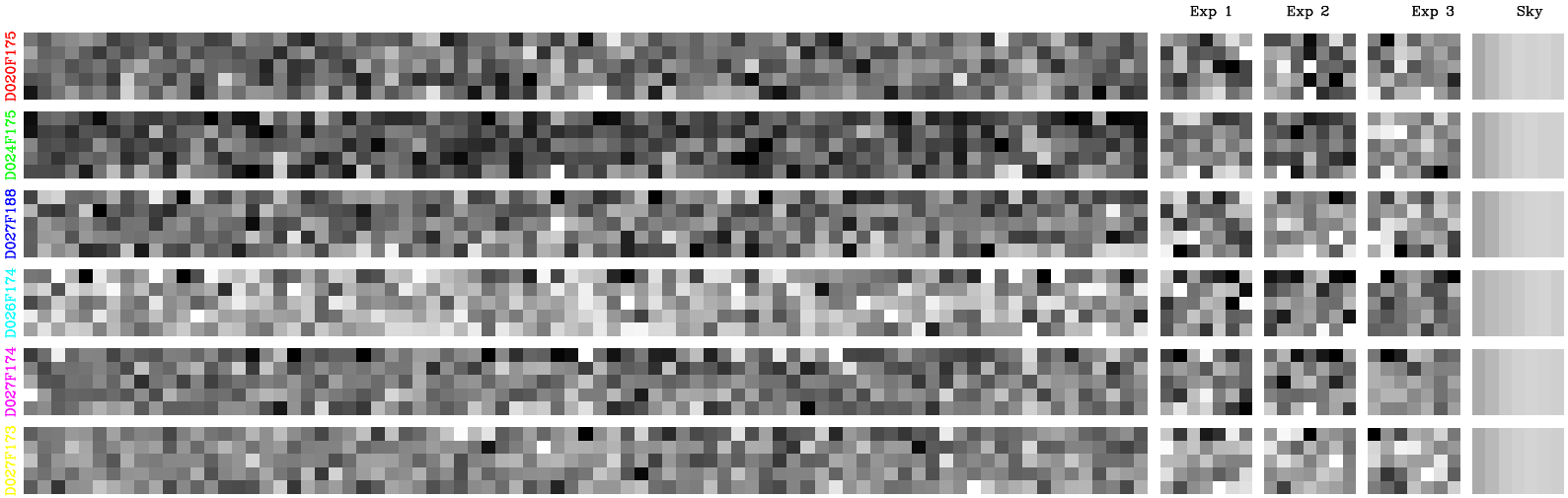
EW_{obs} = 2.47Å

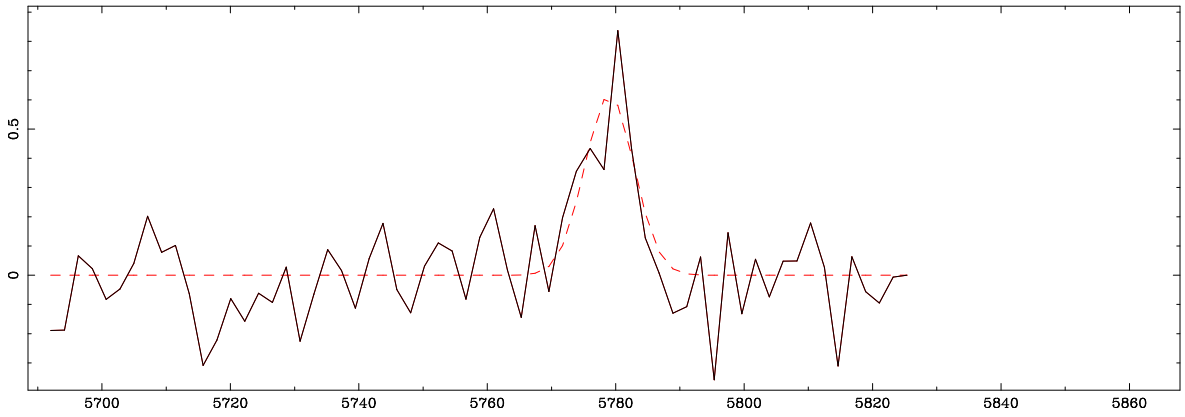
α_{2000} = 189.1530°

δ_{2000} = 62.1925°



S/N = 5.06
$FWHM_{obs}$ = 5.28Å
λ_{obs} = 4407.44Å
EW_{obs} = 37.15Å
α_{2000} = 189.1215°
δ_{2000} = 62.1771°





$S/N = 6.33$

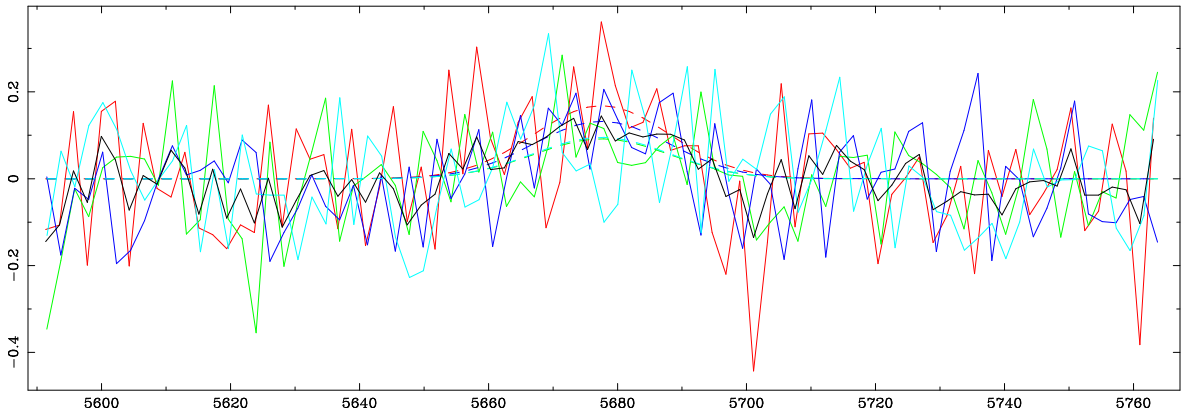
$FWHM_{obs} = 9.02Å$

$\lambda_{obs} = 5779.02Å$

$EW_{obs} = 53.72Å$

$\alpha_{2000} = 189.1794°$

$\delta_{2000} = 62.1748°$



S/N = 5.10

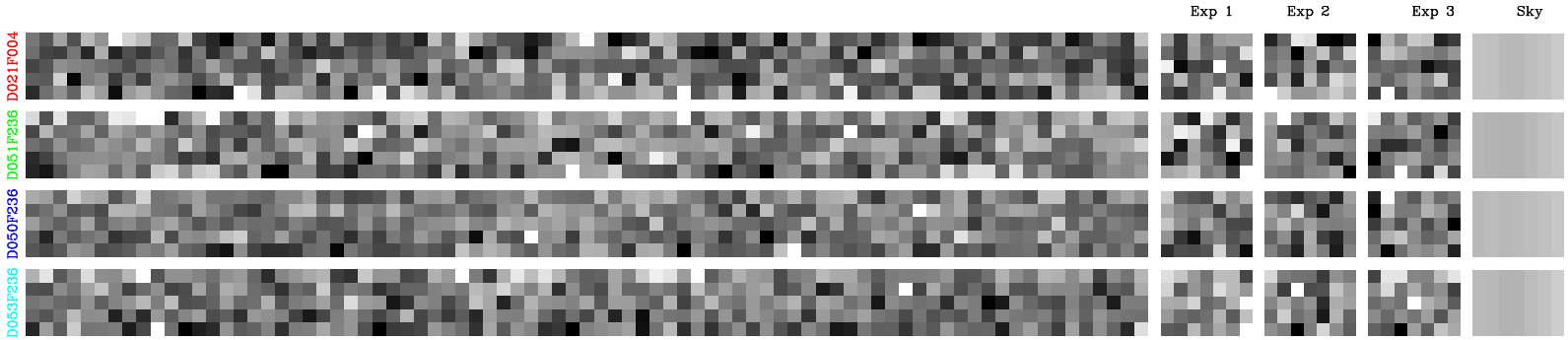
$FWHM_{obs}$ = 24.83Å

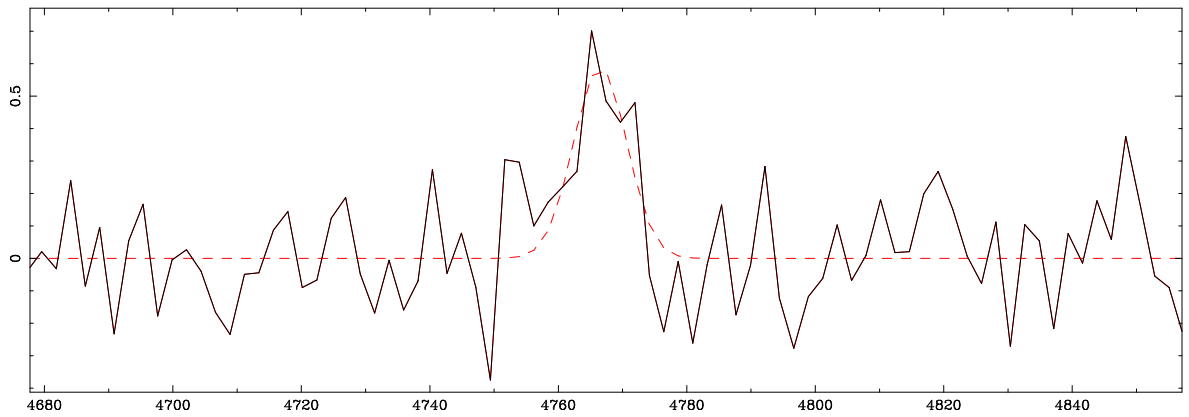
λ_{obs} = 5677.53Å

EW_{obs} > 87.40Å

α_{2000} = 189.1358°

δ_{2000} = 62.1983°





$S/N = 5.83$

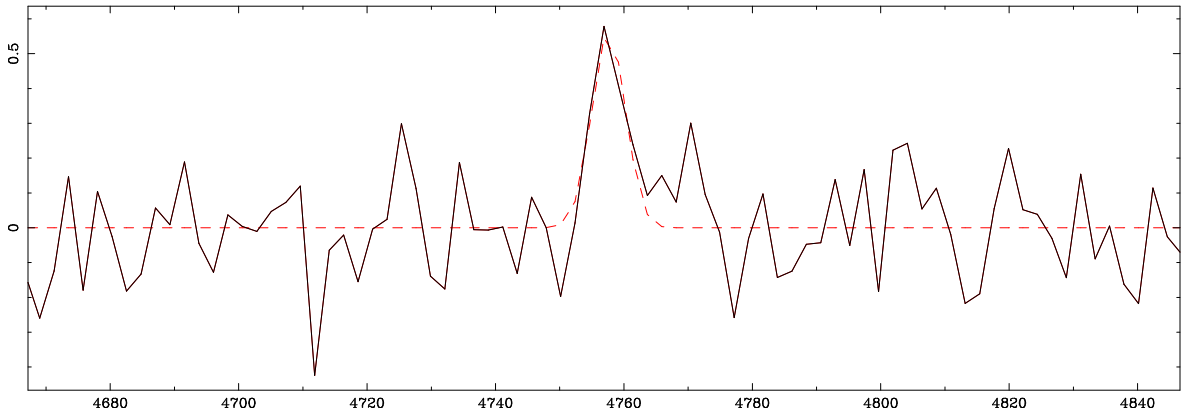
$FWHM_{obs} = 9.68Å$

$\lambda_{obs} = 4766.52Å$

$EW_{obs} > 77.93Å$

$\alpha_{2000} = 189.1319°$

$\delta_{2000} = 62.1941°$



S/N = 5.52

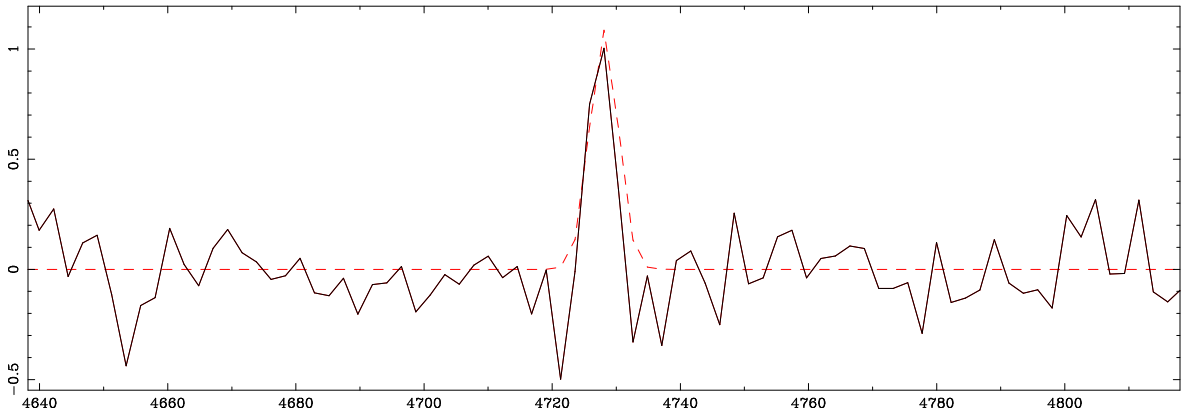
$FWHM_{obs}$ = 6.11Å

λ_{obs} = 4757.61Å

EW_{obs} > 49.98Å

α_{2000} = 189.1494°

δ_{2000} = 62.1939°



S/N = 7.24

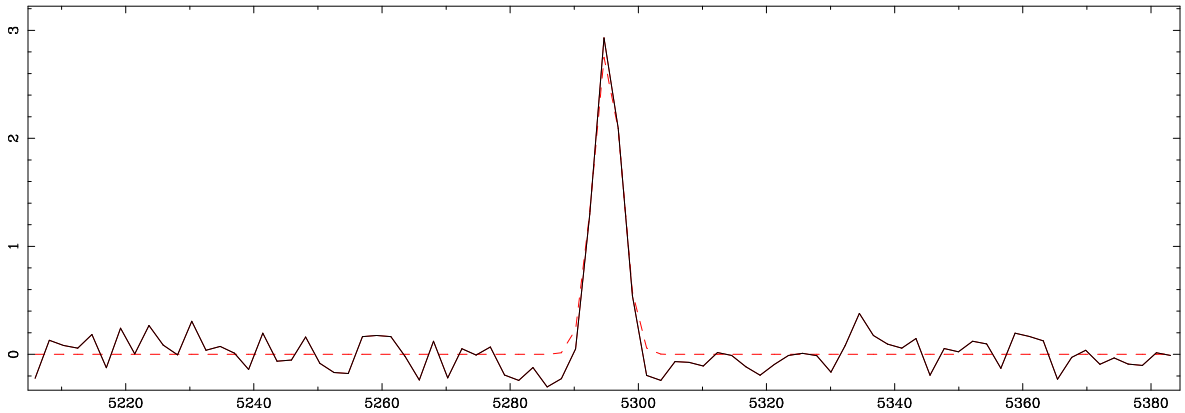
$FWHM_{obs}$ = 5.20Å

λ_{obs} = 4728.08Å

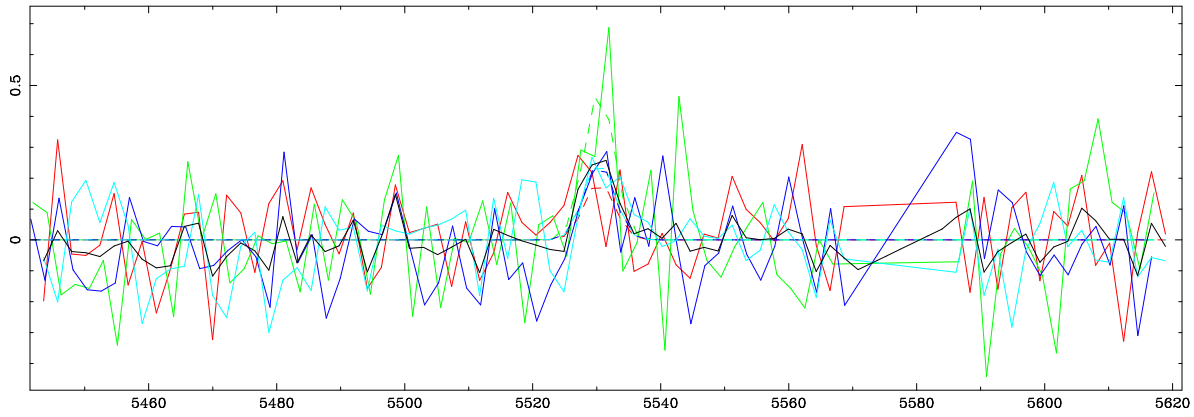
EW_{obs} = 3.24Å

α_{2000} = 189.1734°

δ_{2000} = 62.1920°



S/N = 19.34
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5295.14Å
EW_{obs} = 10.16Å
α_{2000} = 189.1734°
δ_{2000} = 62.1920°



$S/N = 5.02$

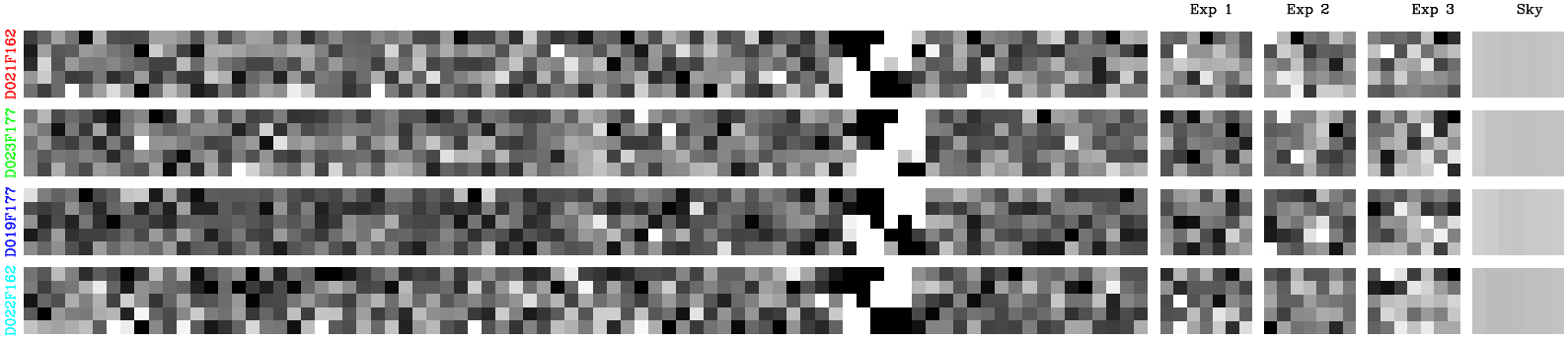
$FWHM_{obs} = 5.51$Å

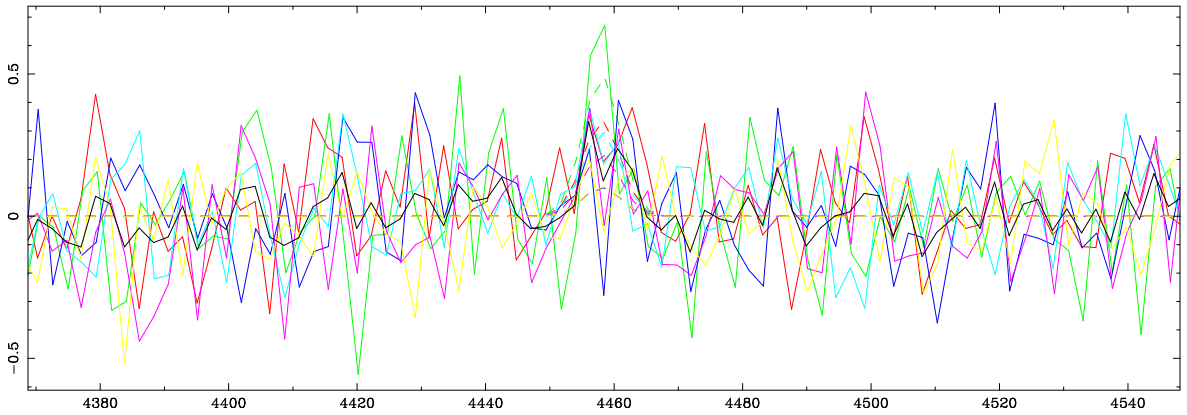
$\lambda_{obs} = 5530.39$Å

$EW_{obs} > 43.53$Å

$\alpha_{2000} = 189.1302°$

$\delta_{2000} = 62.1778°$





$S/N = 5.42$

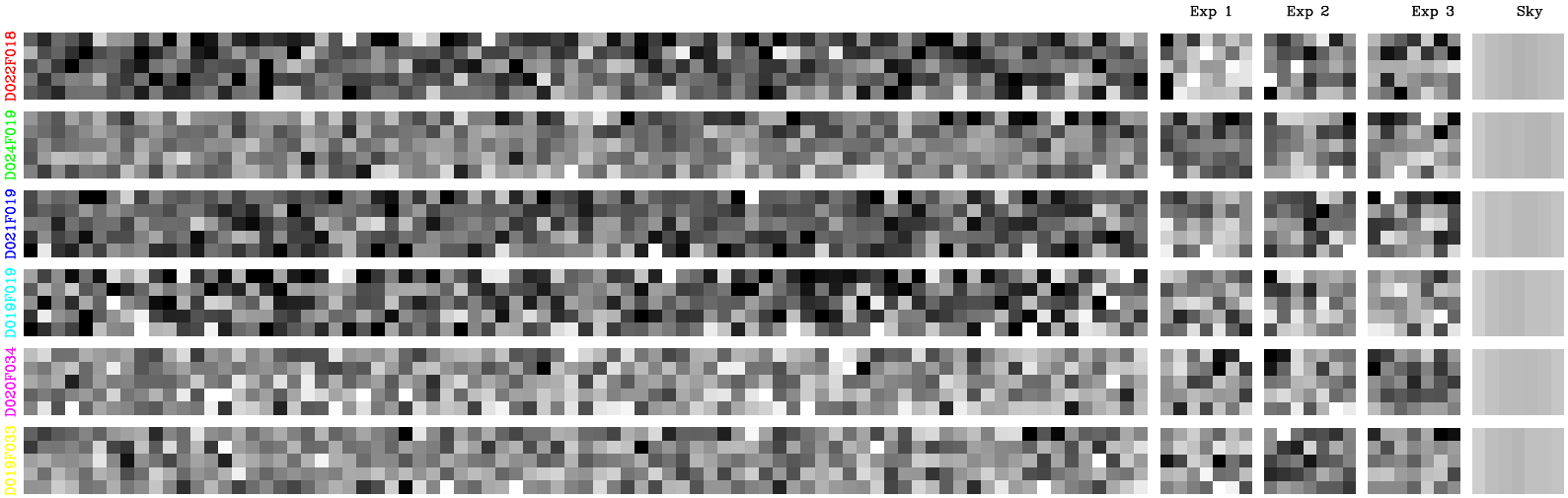
$FWHM_{obs} = 6.91$Å

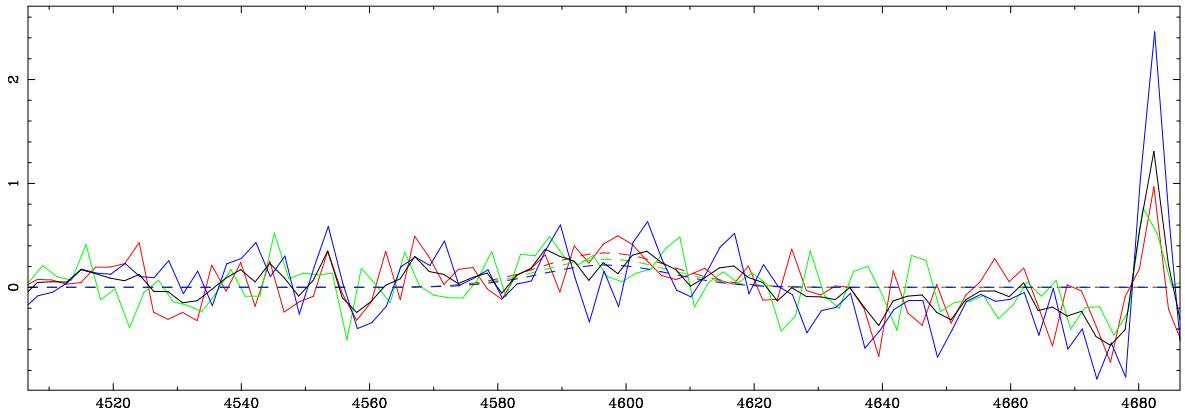
$\lambda_{obs} = 4458.06$Å

$EW_{obs} > 54.17$Å

$\alpha_{2000} = 189.1371°$

$\delta_{2000} = 62.1959°$





S/N = 6.41

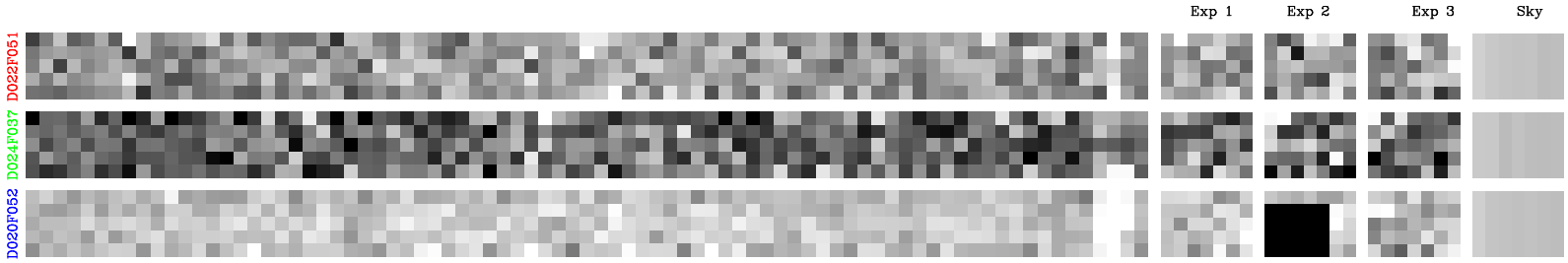
$FWHM_{obs}$ = 23.74Å

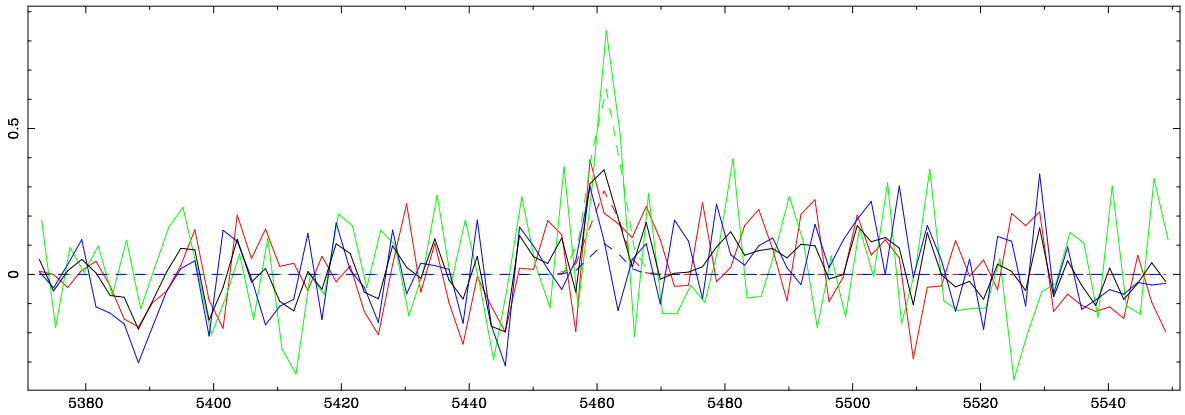
λ_{obs} = 4596.95Å

EW_{obs} = 2.76Å

α_{2000} = 189.1526°

δ_{2000} = 62.1931°





$S/N = 5.17$

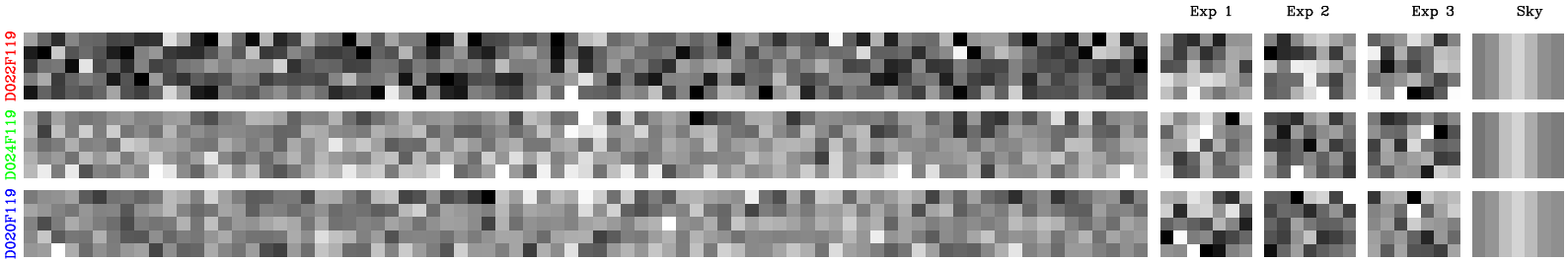
$FWHM_{obs} = 5.35$Å

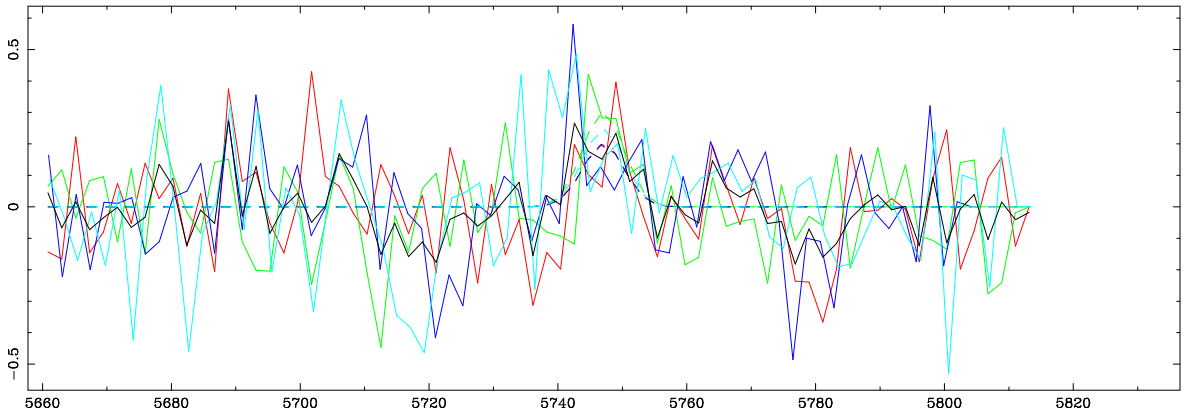
$\lambda_{obs} = 5461.30$Å

$EW_{obs} > 58.49$Å

$\alpha_{2000} = 189.1306°$

$\delta_{2000} = 62.1836°$





$S/N = 5.01$

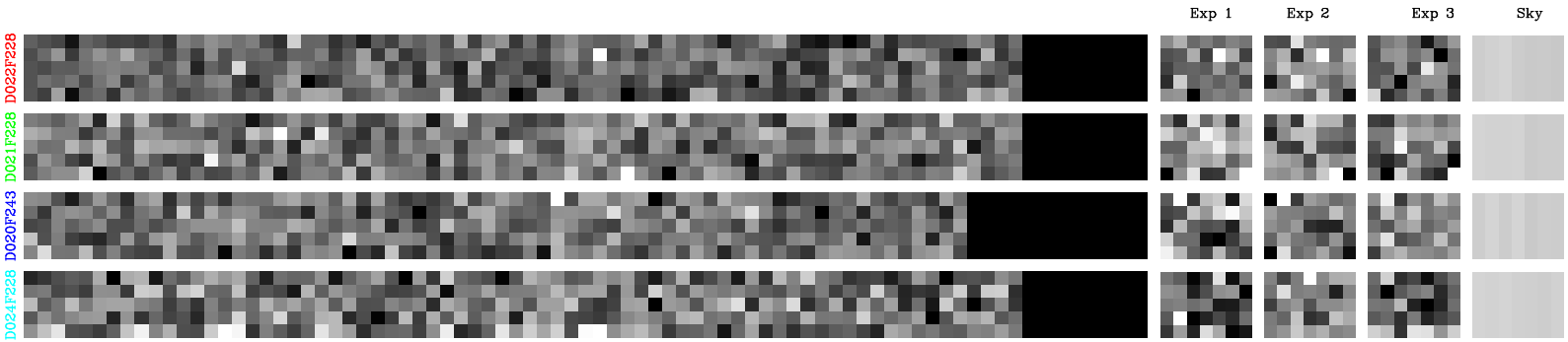
$FWHM_{obs} = 7.63Å$

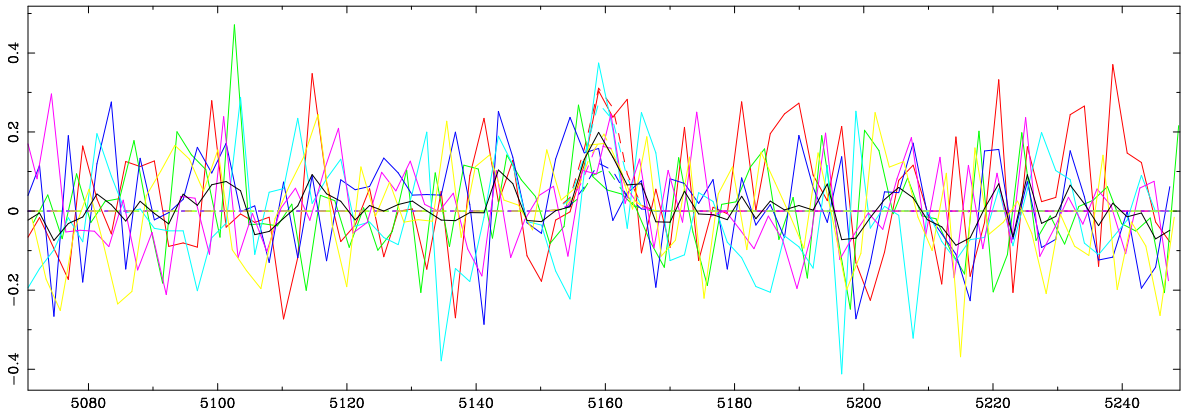
$\lambda_{obs} = 5747.06Å$

$EW_{obs} > 49.99Å$

$\alpha_{2000} = 189.1638°$

$\delta_{2000} = 62.1706°$





$S/N = 5.11$

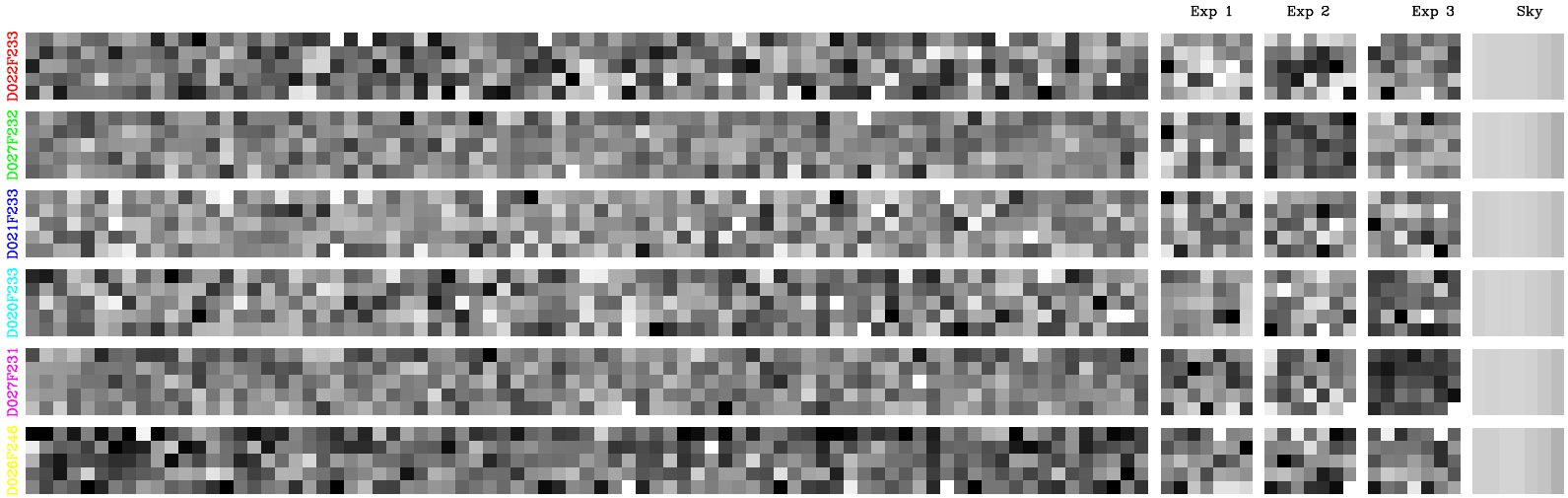
$FWHM_{obs} = 5.65$Å

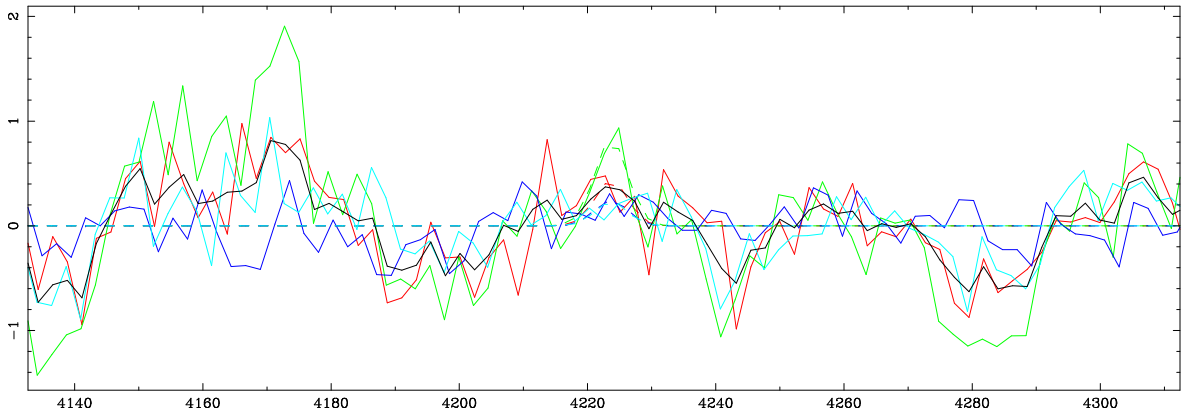
$\lambda_{obs} = 5159.62$Å

$EW_{obs} > 49.51$Å

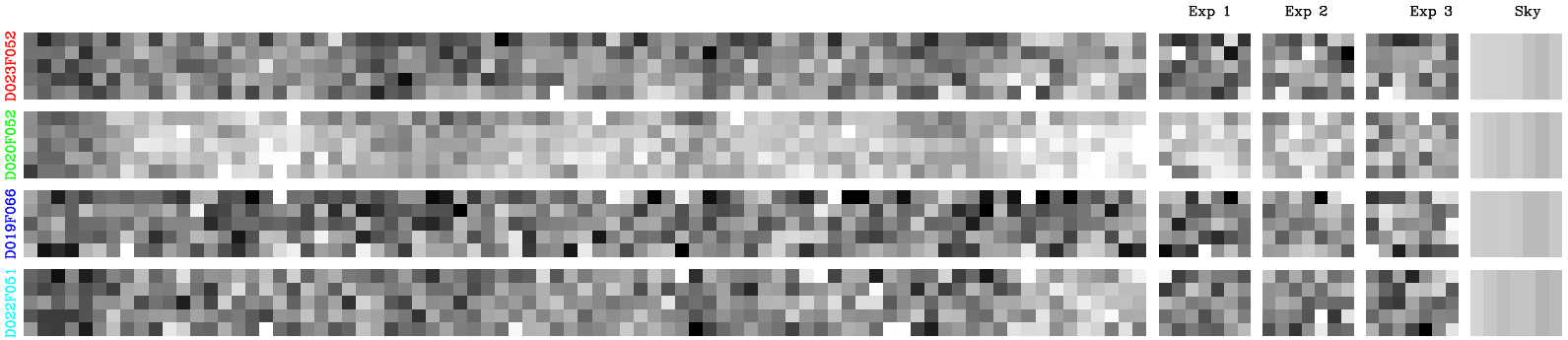
$\alpha_{2000} = 189.1211°$

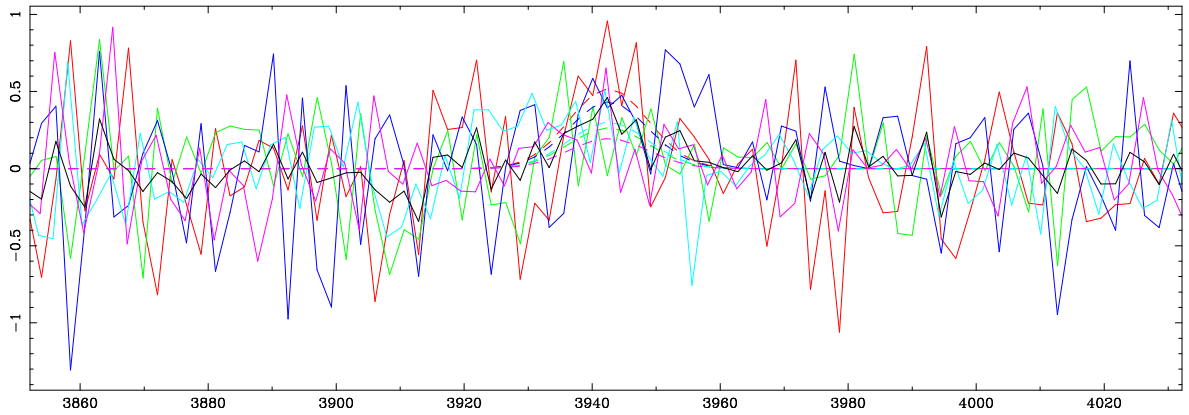
$\delta_{2000} = 62.1697°$





S/N = 5.05
$FWHM_{obs}$ = 6.07Å
λ_{obs} = 4223.69Å
EW_{obs} = 1.27Å
α_{2000} = 189.1537°
δ_{2000} = 62.1927°





S/N = 5.10

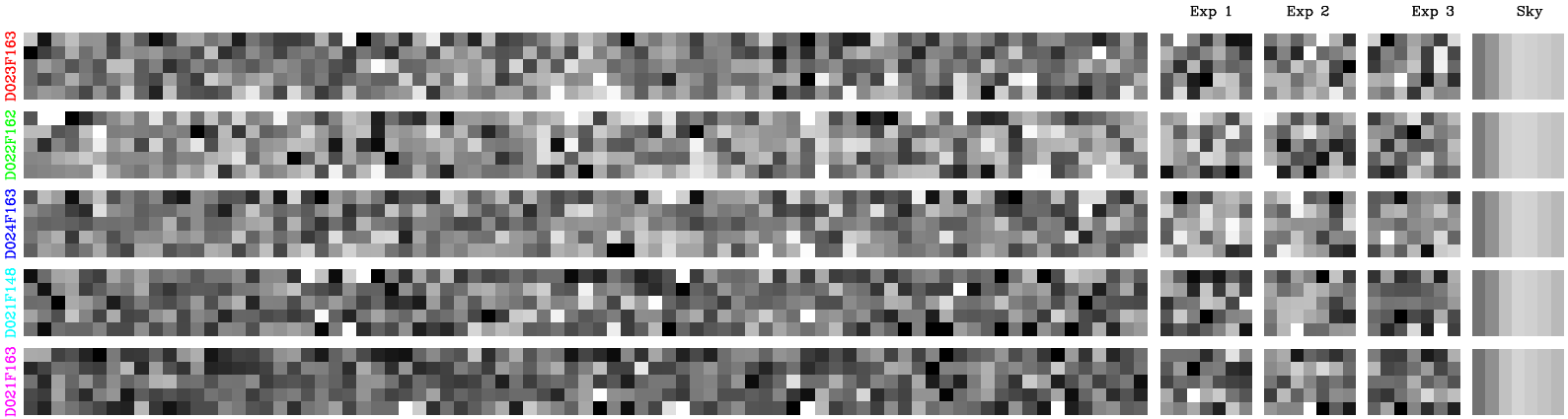
$FWHM_{obs}$ = 14.56Å

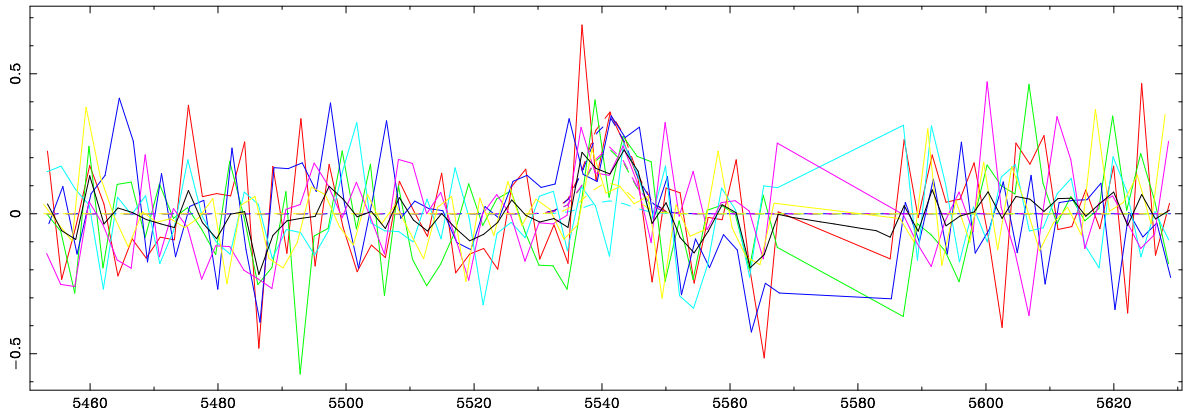
λ_{obs} = 3942.56Å

EW_{obs} > 68.19Å

α_{2000} = 189.1319°

δ_{2000} = 62.1788°





$S/N = 5.54$

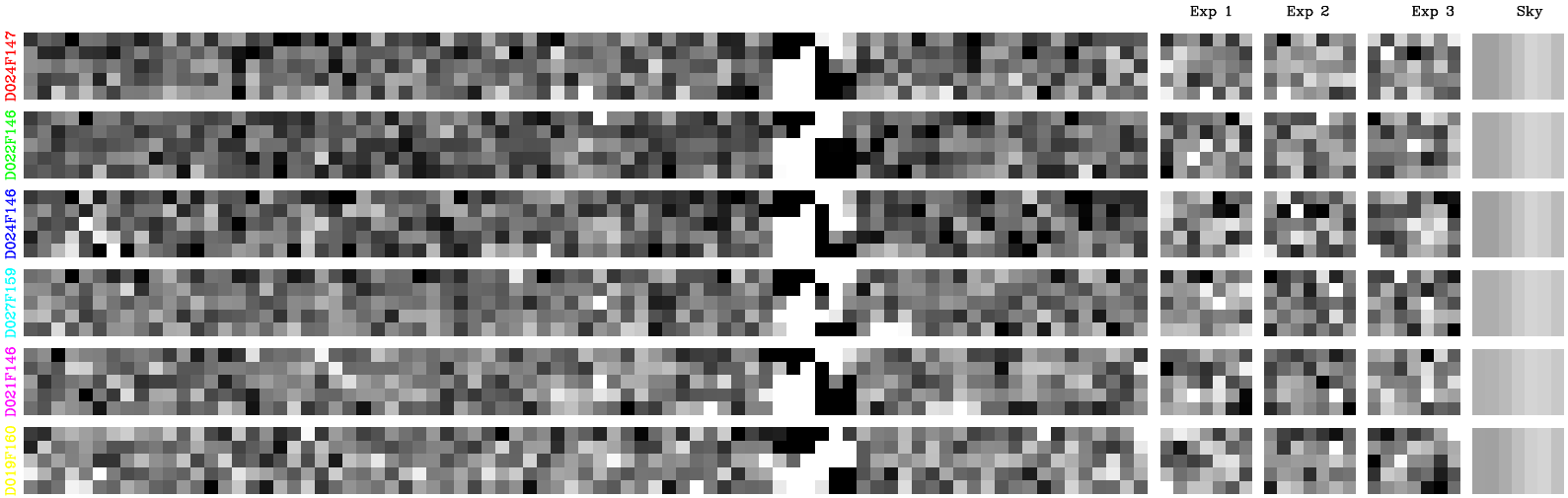
$FWHM_{obs} = 7.66Å$

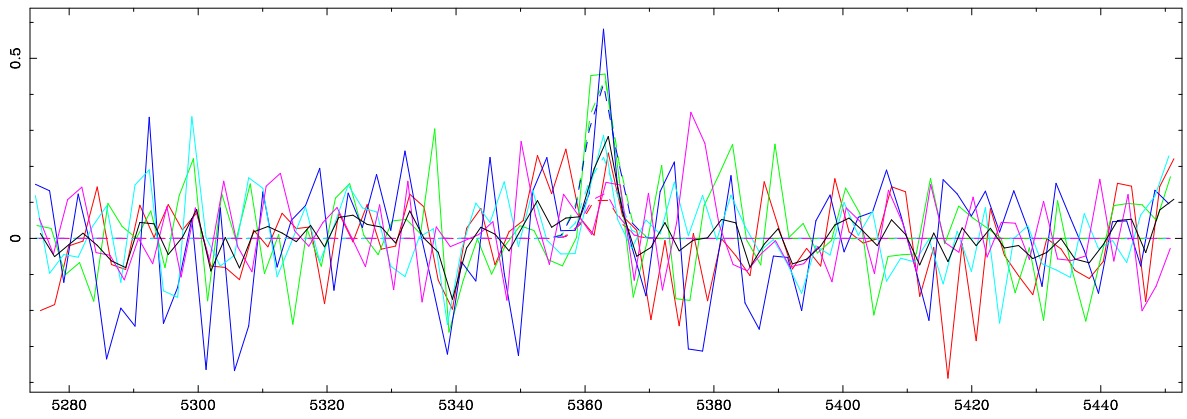
$\lambda_{obs} = 5541.10Å$

$EW_{obs} = 48.68Å$

$\alpha_{2000} = 189.1230°$

$\delta_{2000} = 62.1799°$





S/N = 5.17

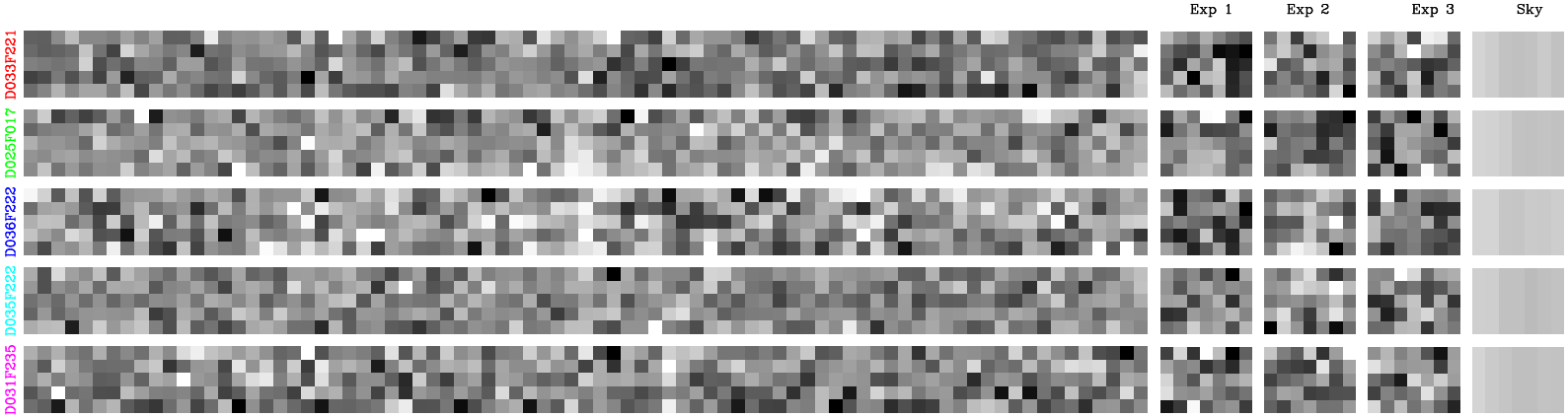
$FWHM_{obs}$ = 5.20Å

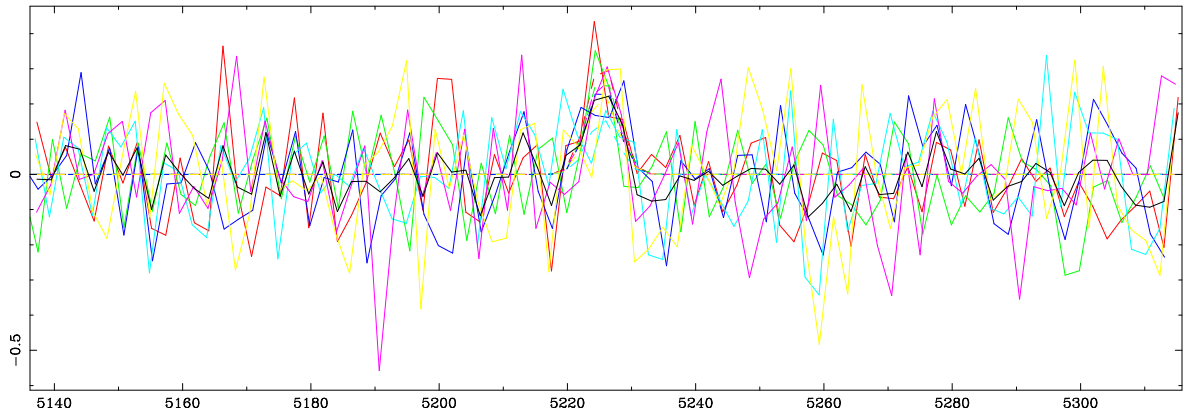
λ_{obs} = 5362.54Å

EW_{obs} > 50.32Å

α_{2000} = 189.0719°

δ_{2000} = 62.1973°





$S/N = 5.52$

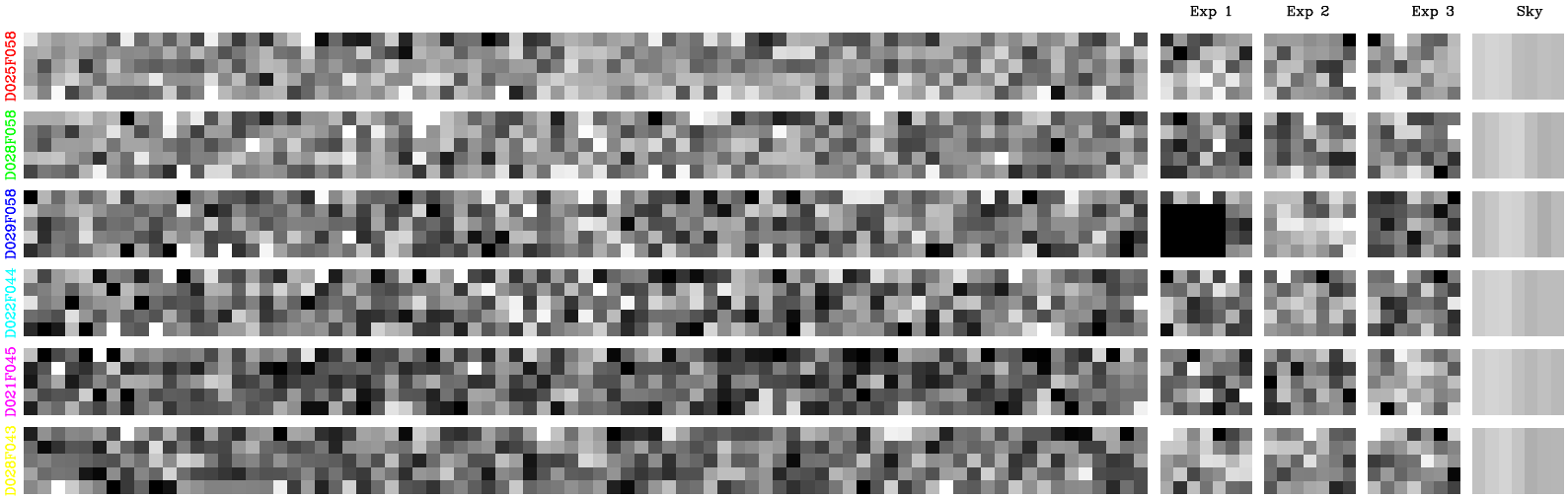
$FWHM_{obs} = 5.50Å$

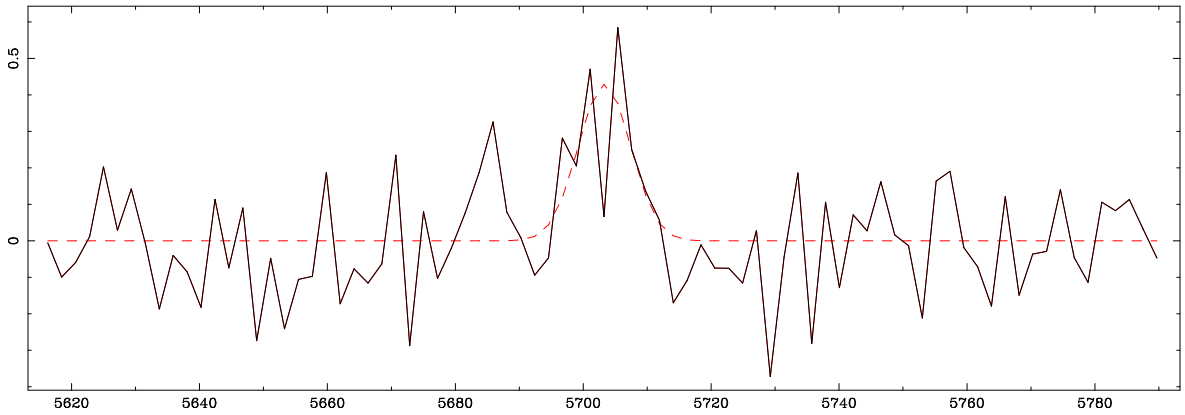
$\lambda_{obs} = 5225.45Å$

$EW_{obs} > 54.50Å$

$\alpha_{2000} = 189.1236°$

$\delta_{2000} = 62.1927°$





S/N = 5.19

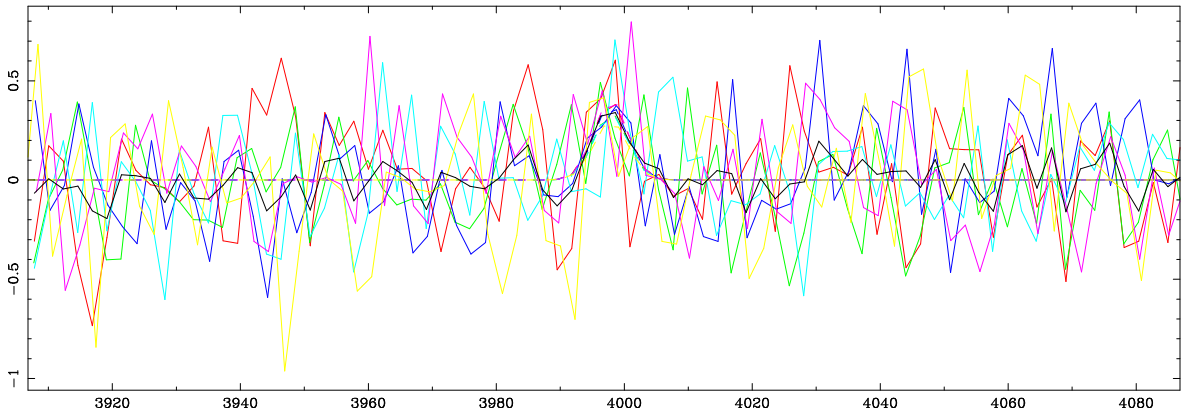
$FWHM_{obs}$ = 9.64Å

λ_{obs} = 5703.32Å

EW_{obs} > 64.08Å

α_{2000} = 189.0626°

δ_{2000} = 62.1895°



S/N = 5.20

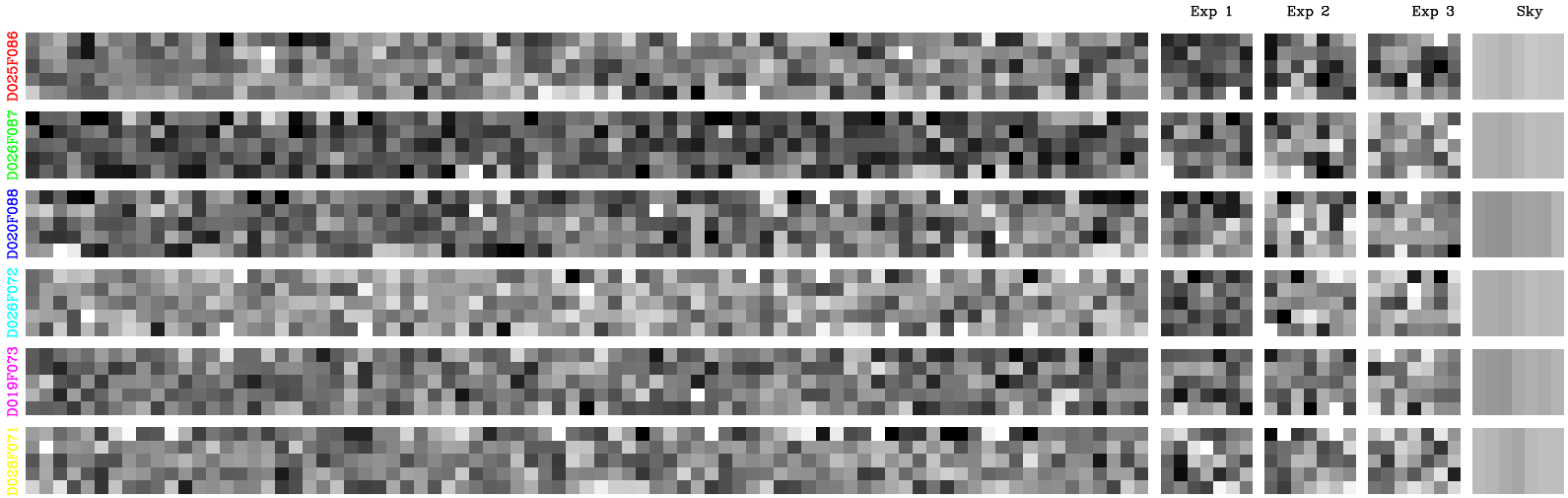
$FWHM_{obs}$ = 6.30Å

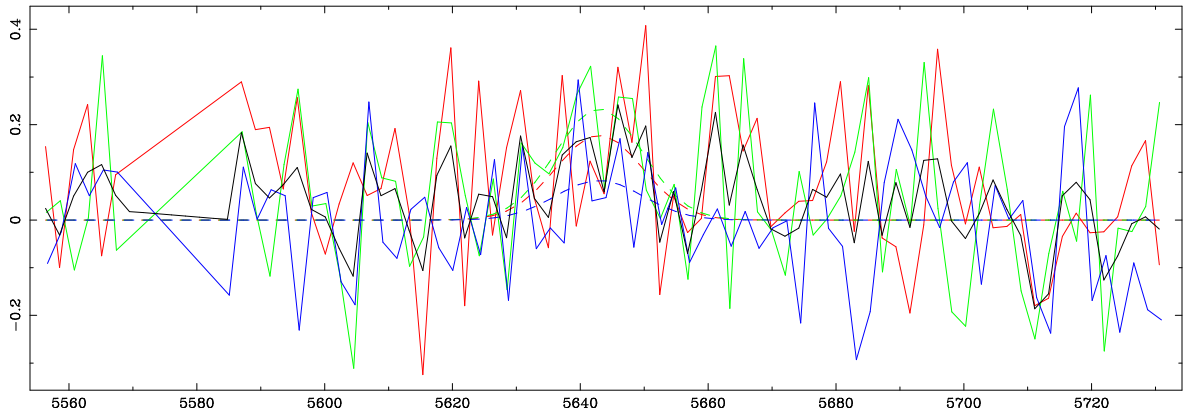
λ_{obs} = 3997.90Å

EW_{obs} > 51.51Å

α_{2000} = 189.1201°

δ_{2000} = 62.1893°





S/N = 5.03

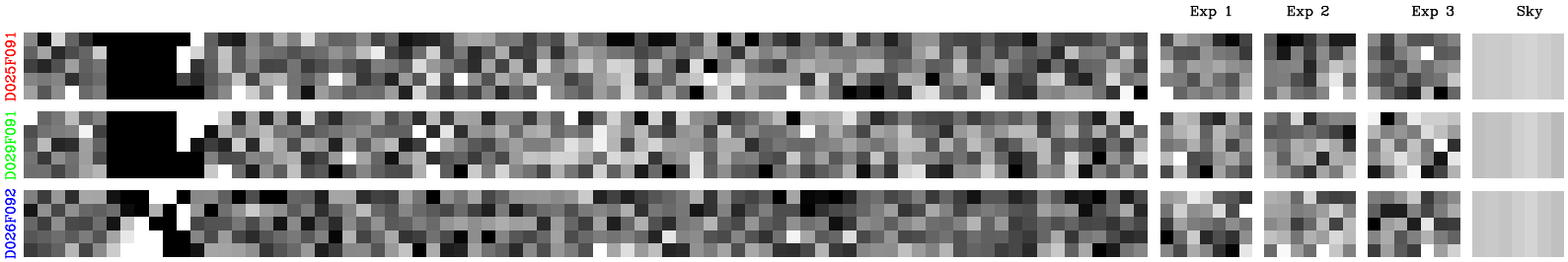
$FWHM_{obs}$ = 16.07Å

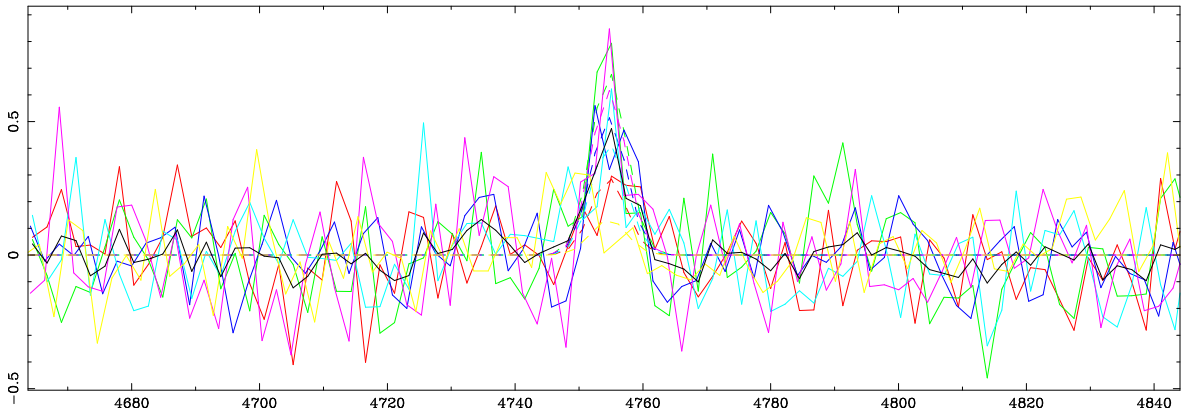
λ_{obs} = 5642.96Å

EW_{obs} = 10.86Å

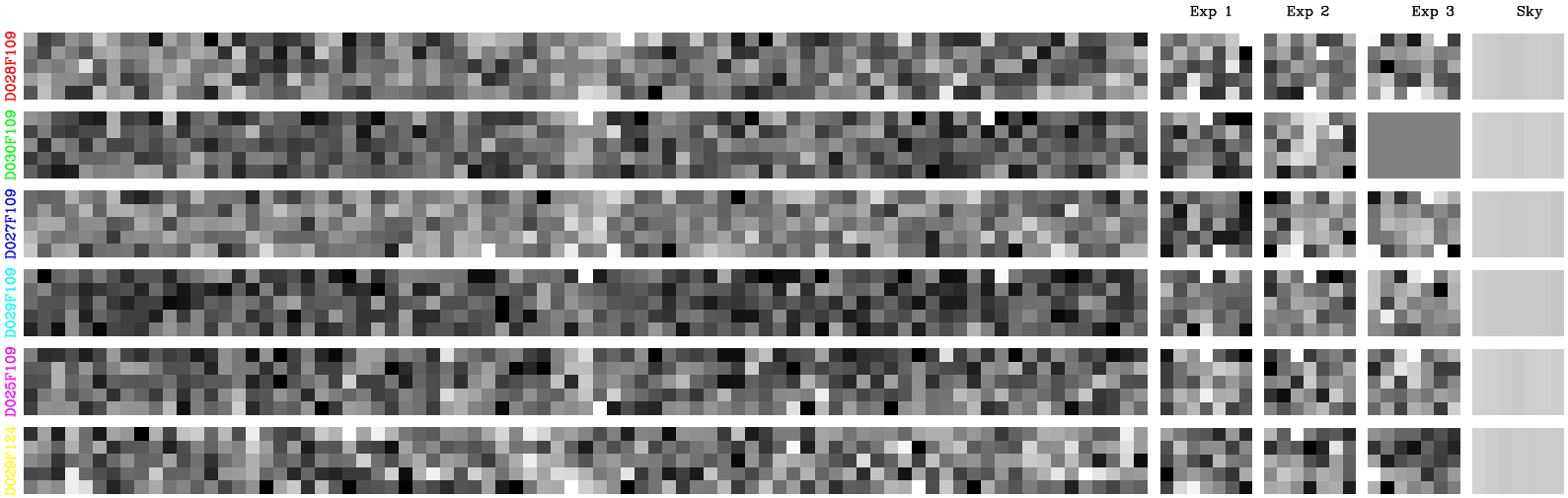
α_{2000} = 189.0775°

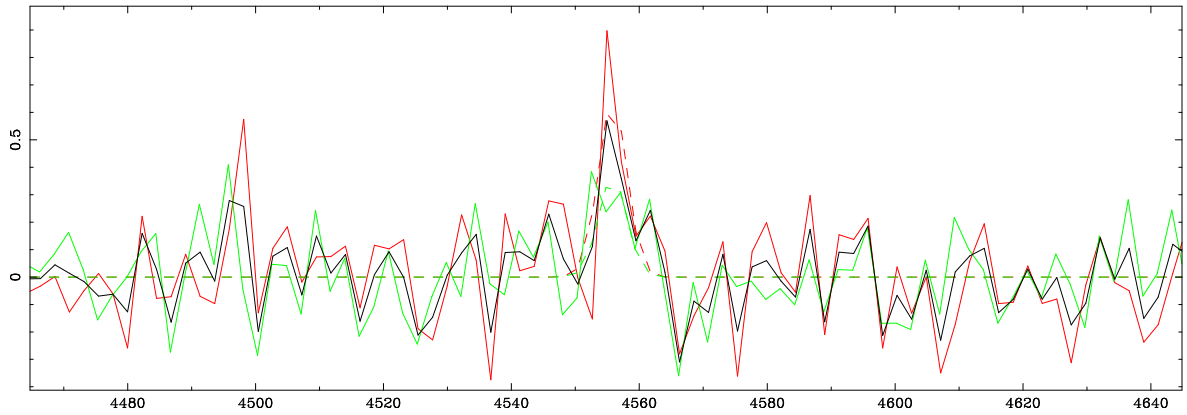
δ_{2000} = 62.1875°





S/N = 10.50
$FWHM_{obs}$ = 6.56Å
λ_{obs} = 4754.65Å
EW_{obs} = 28.03Å
α_{2000} = 189.0926°
δ_{2000} = 62.1851°





$S/N = 5.15$

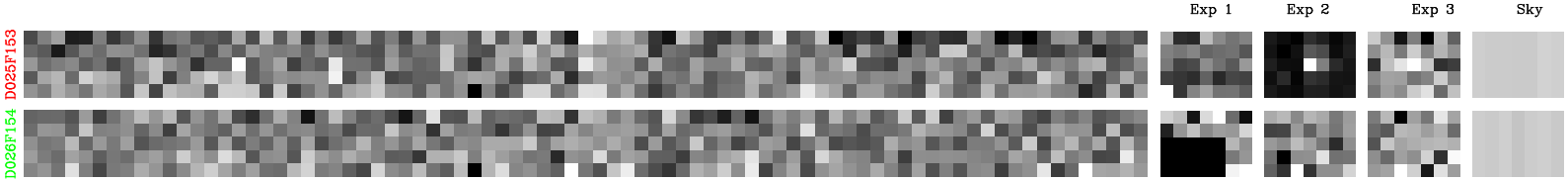
$FWHM_{obs} = 5.20$Å

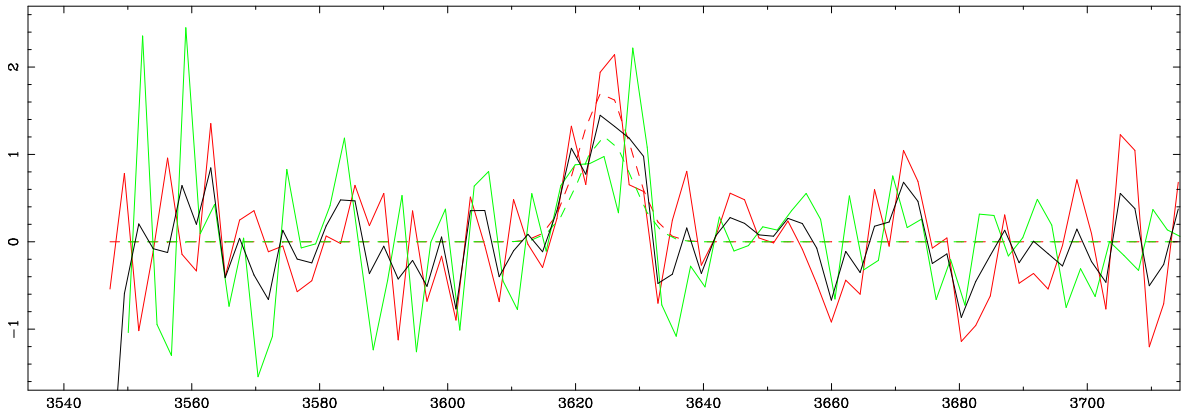
$\lambda_{obs} = 4555.82$Å

$EW_{obs} > 53.18$Å

$\alpha_{2000} = 189.0959°$

$\delta_{2000} = 62.1802°$





S/N = 5.13

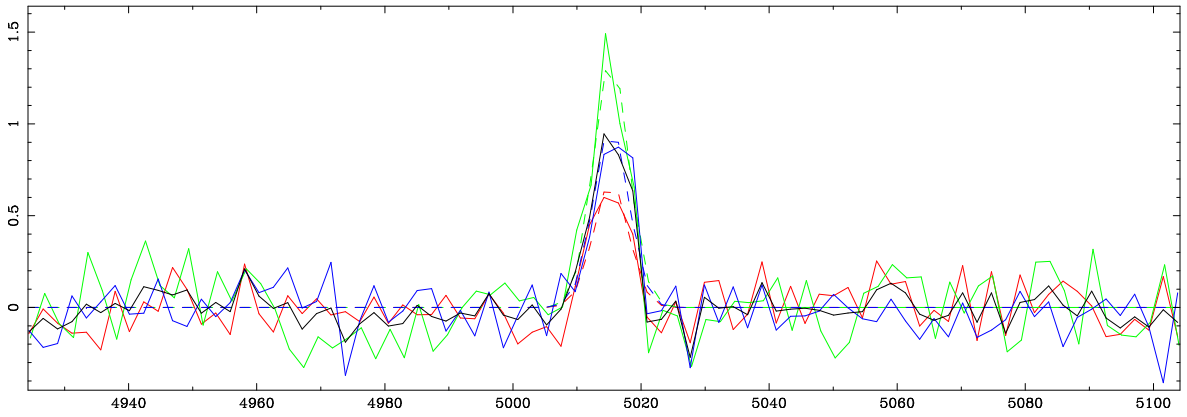
$FWHM_{obs}$ = 9.62Å

λ_{obs} = 3624.64Å

EW_{obs} > 58.86Å

α_{2000} = 189.1076°

δ_{2000} = 62.1803°



$S/N = 17.31$

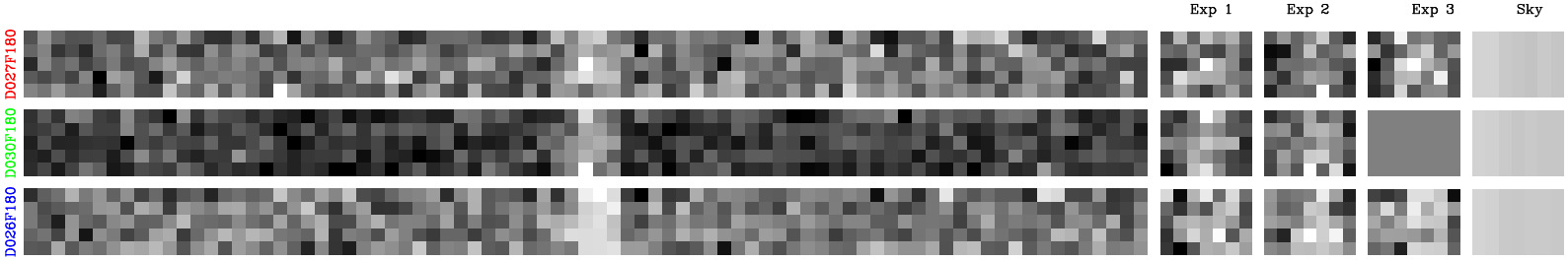
$FWHM_{obs} = 6.49Å$

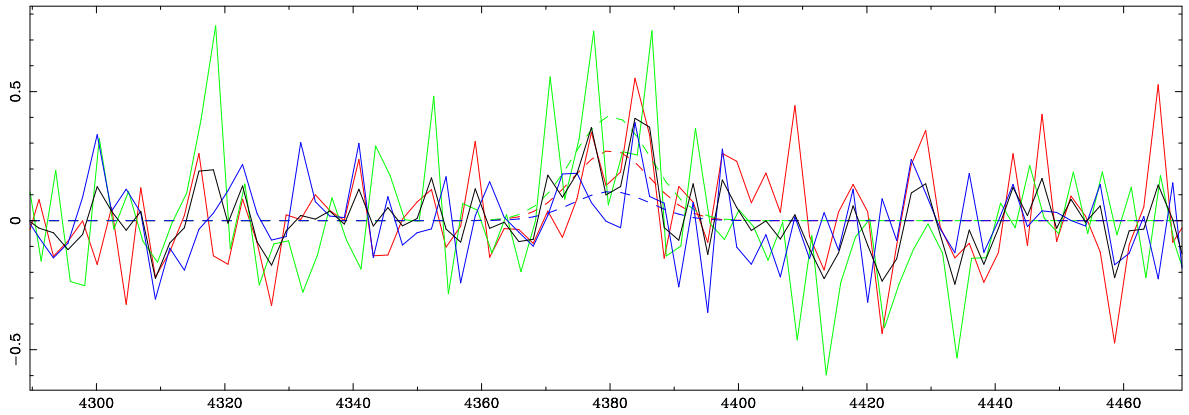
$\lambda_{obs} = 5015.31Å$

$EW_{obs} = 72.28Å$

$\alpha_{2000} = 189.0849°$

$\delta_{2000} = 62.1759°$





$S/N = 5.33$

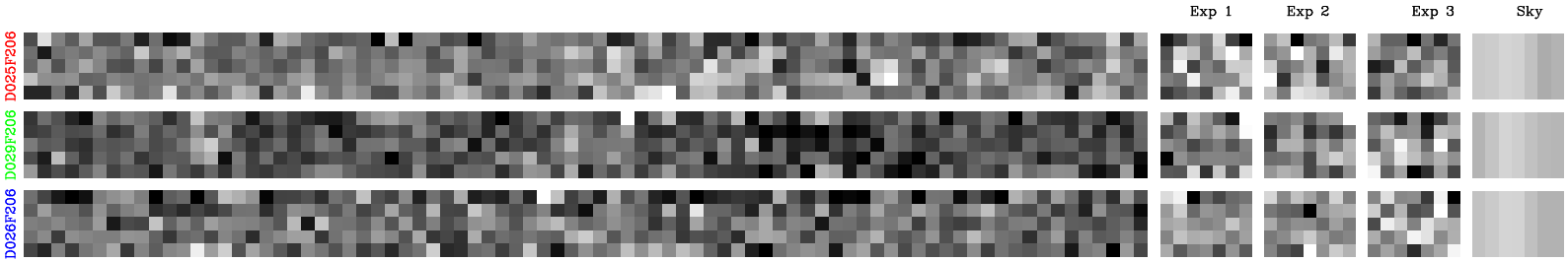
$FWHM_{obs} = 14.16Å$

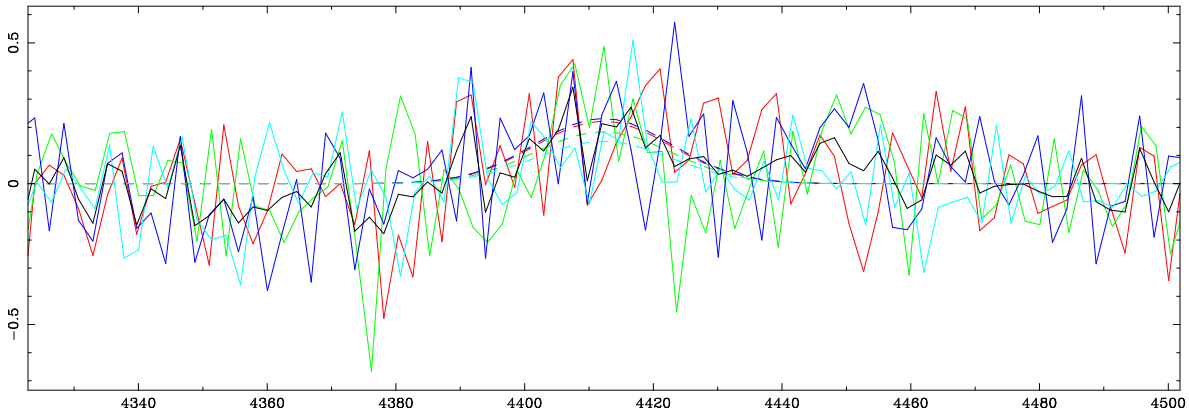
$\lambda_{obs} = 4380.24Å$

$EW_{obs} > 71.06Å$

$\alpha_{2000} = 189.0720°$

$\delta_{2000} = 62.1733°$





S/N = 5.52

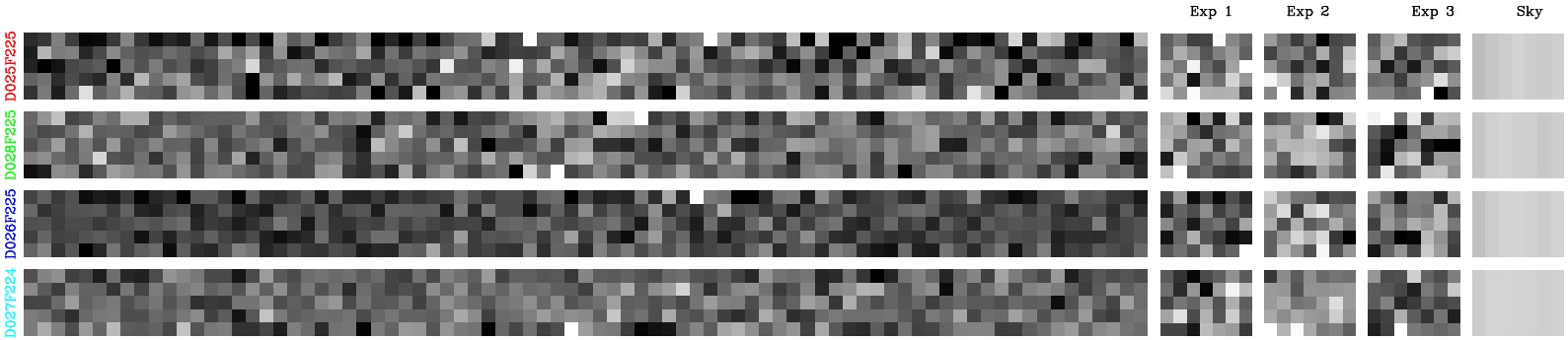
$FWHM_{obs}$ = 24.88Å

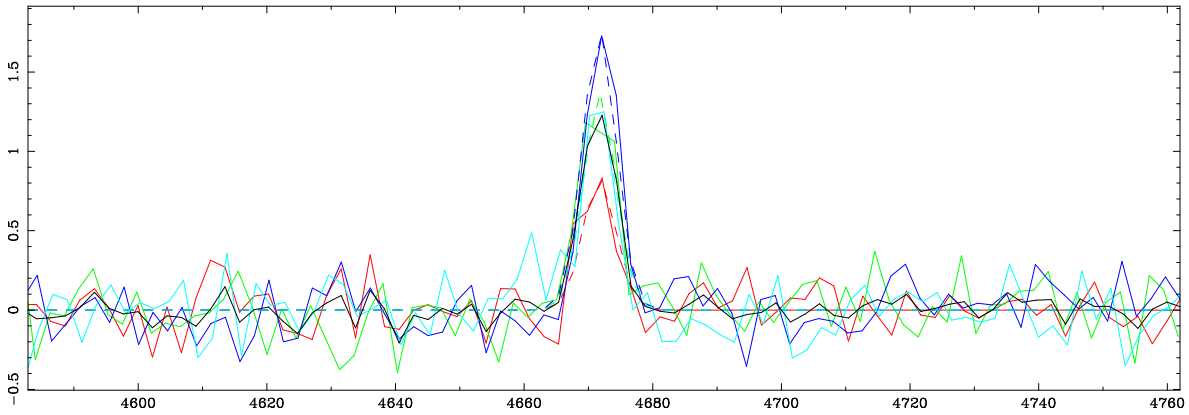
λ_{obs} = 4412.18Å

EW_{obs} = 89.08Å

α_{2000} = 189.0914°

δ_{2000} = 62.1710°





S/N = 18.52

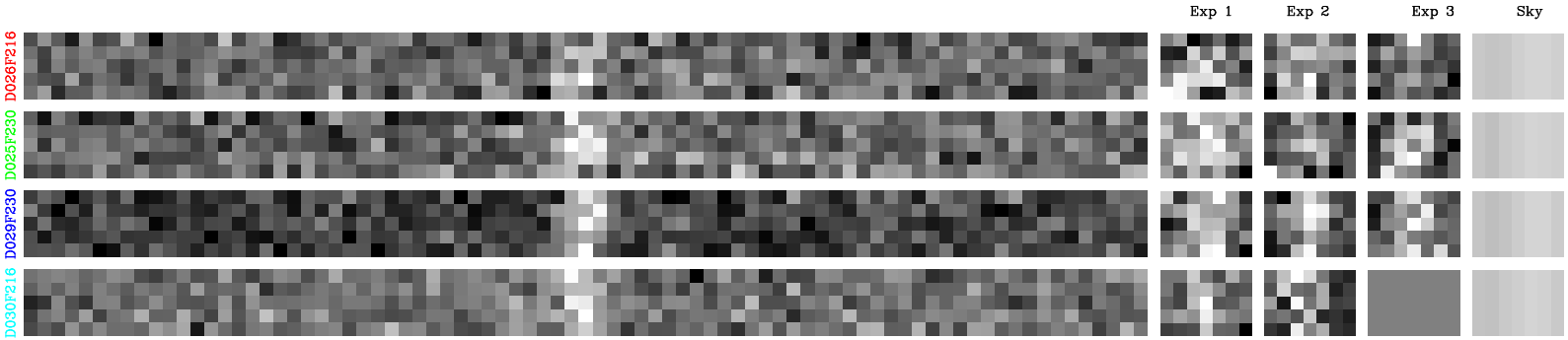
$FWHM_{obs}$ = 6.13Å

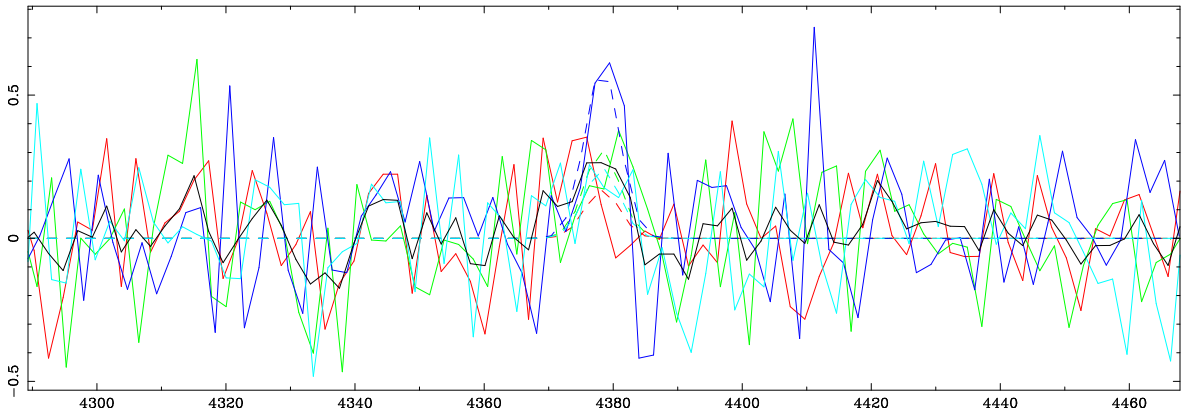
λ_{obs} = 4671.71Å

EW_{obs} = 47.88Å

α_{2000} = 189.1142°

δ_{2000} = 62.1717°





S/N = 5.01

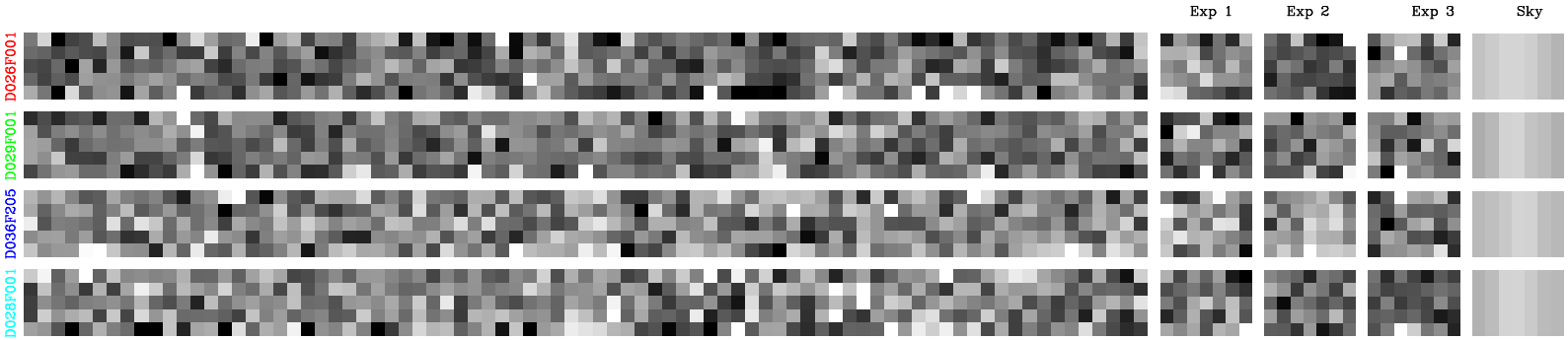
$FWHM_{obs}$ = 6.39Å

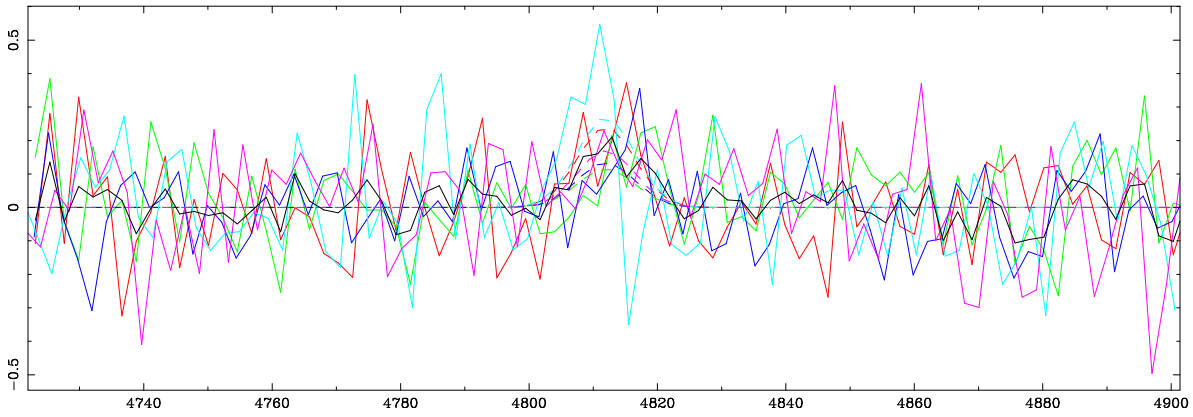
λ_{obs} = 4378.29Å

EW_{obs} > 49.43Å

α_{2000} = 189.0633°

δ_{2000} = 62.1986°





$S/N = 5.12$

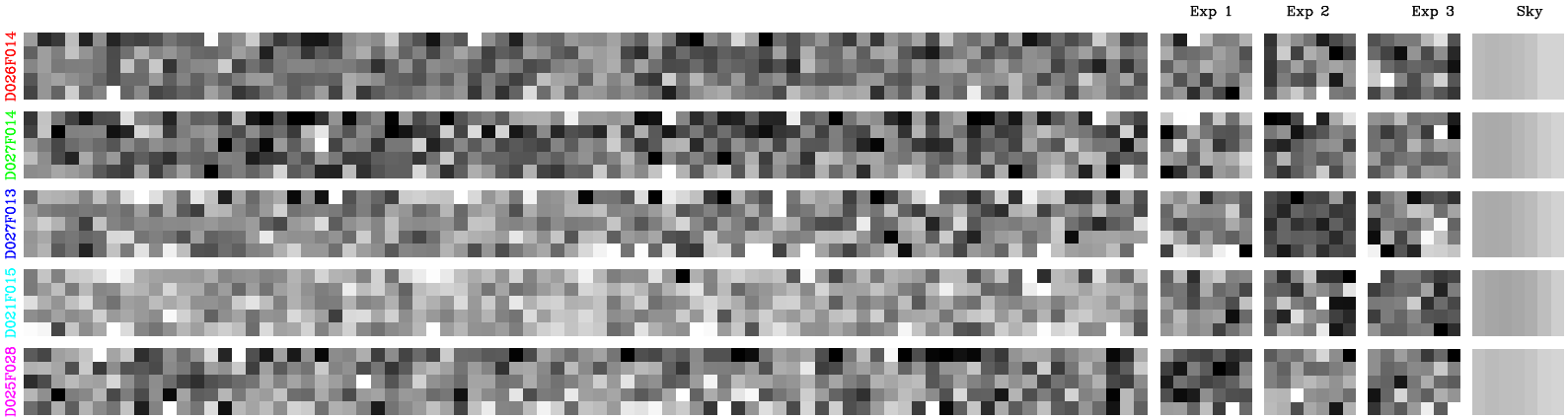
$FWHM_{obs} = 10.58Å$

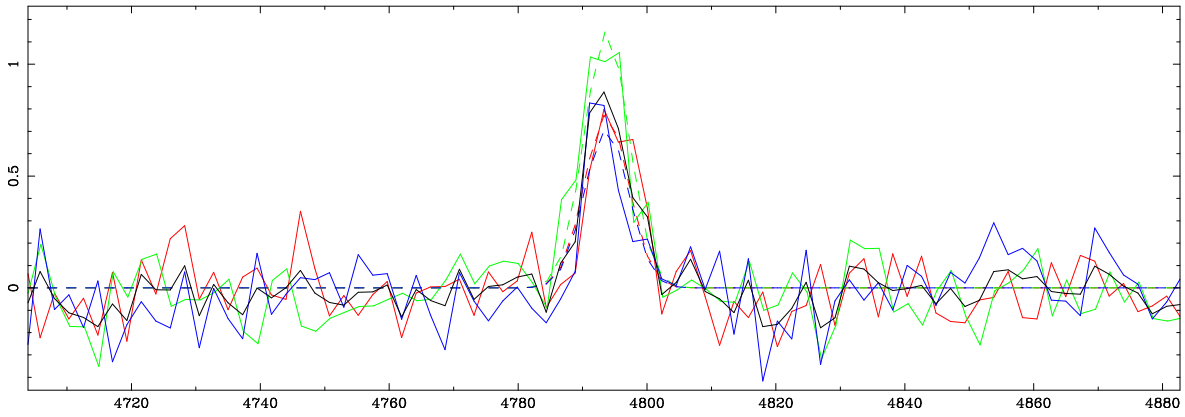
$\lambda_{obs} = 4811.99Å$

$EW_{obs} = 27.42Å$

$\alpha_{2000} = 189.1200°$

$\delta_{2000} = 62.1966°$





$S/N = 16.44$

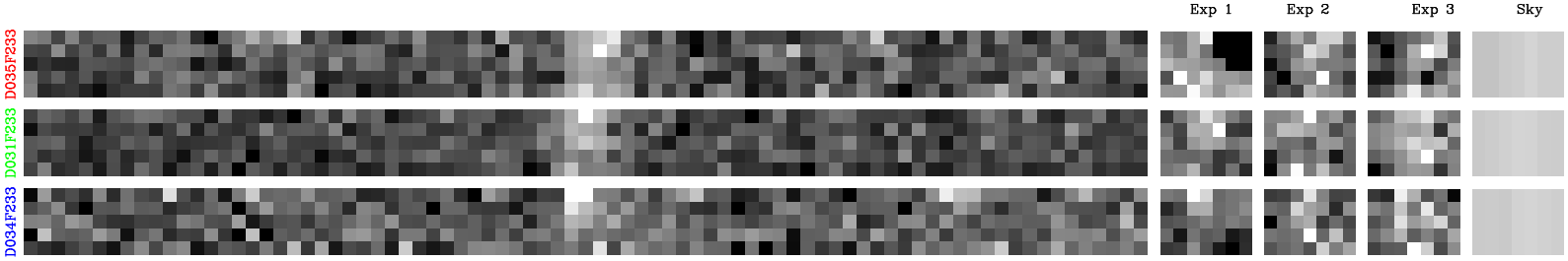
$FWHM_{obs} = 8.08Å$

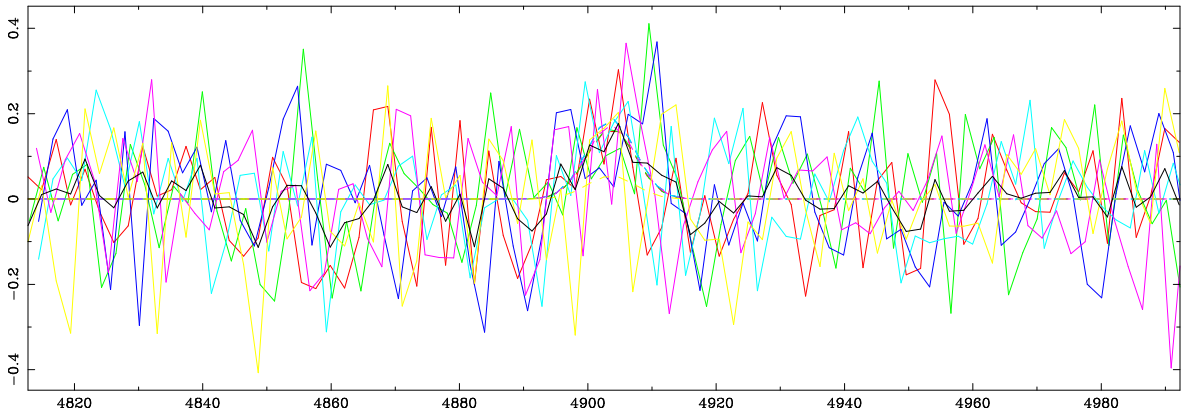
$\lambda_{obs} = 4793.73Å$

$EW_{obs} = 44.61Å$

$\alpha_{2000} = 189.0591°$

$\delta_{2000} = 62.1968°$





$S/N = 5.04$

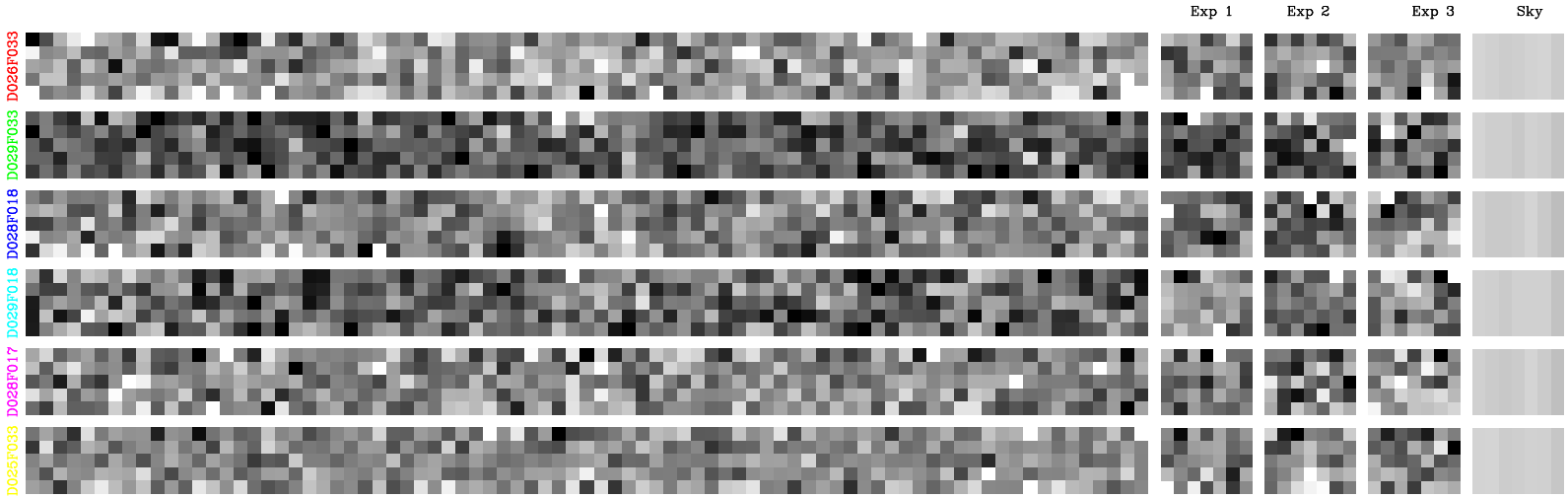
$FWHM_{obs} = 8.84$Å

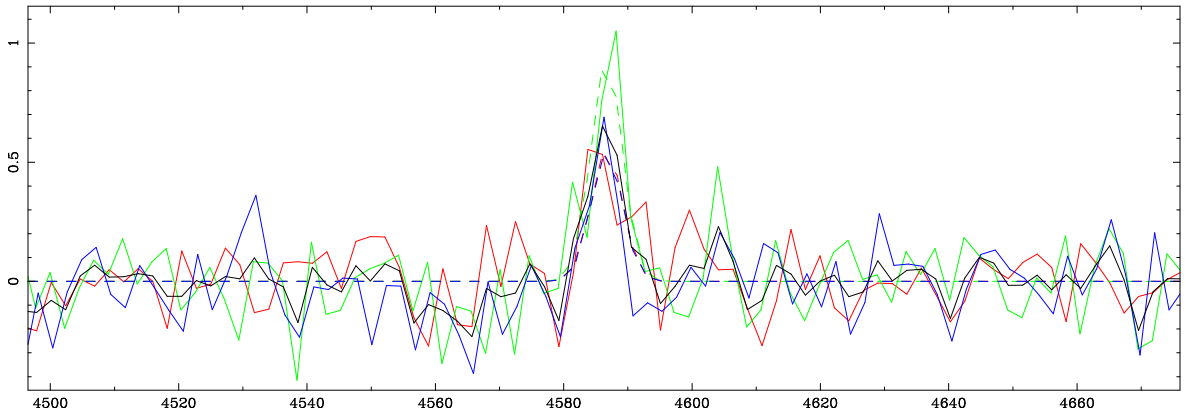
$\lambda_{obs} = 4903.63$Å

$EW_{obs} > 57.36$Å

$\alpha_{2000} = 189.0753°$

$\delta_{2000} = 62.1955°$





$S/N = 9.36$

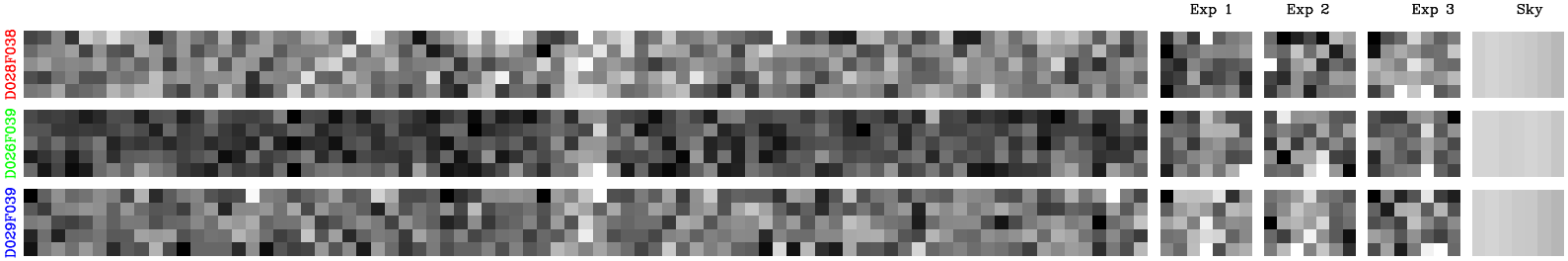
$FWHM_{obs} = 5.70Å$

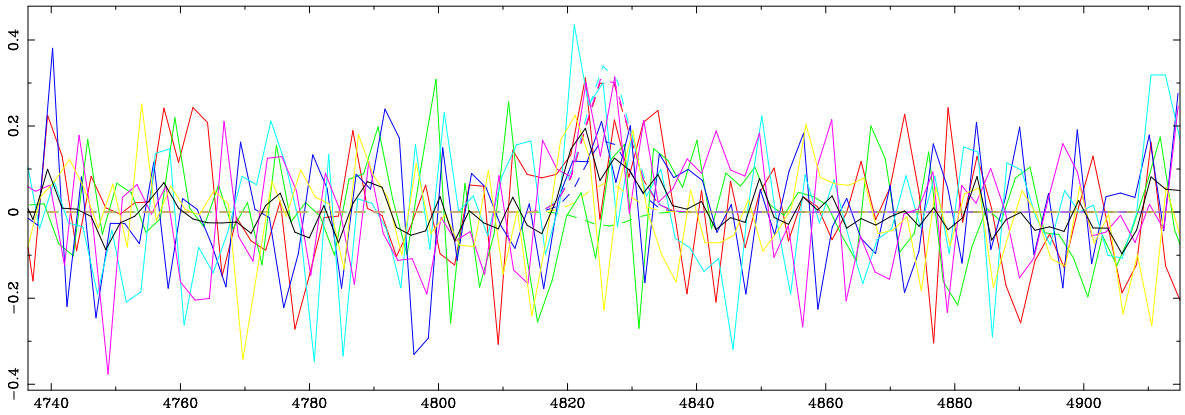
$\lambda_{obs} = 4586.69Å$

$EW_{obs} = 36.84Å$

$\alpha_{2000} = 189.1019°$

$\delta_{2000} = 62.1942°$





S/N = 5.21

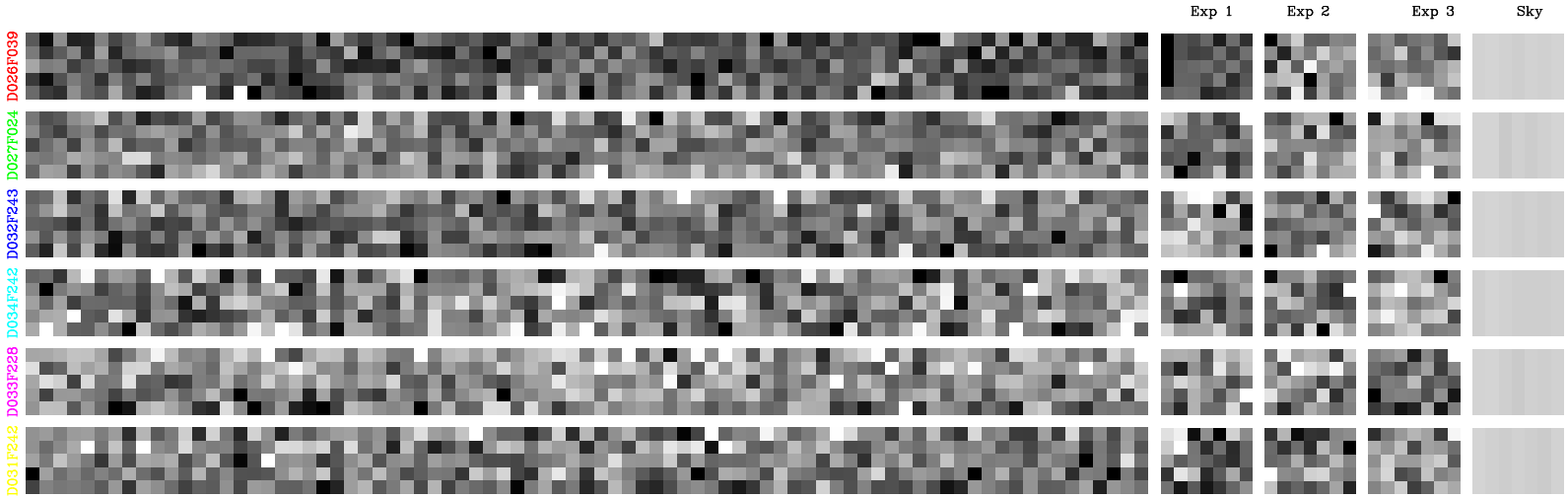
$FWHM_{obs}$ = 7.90Å

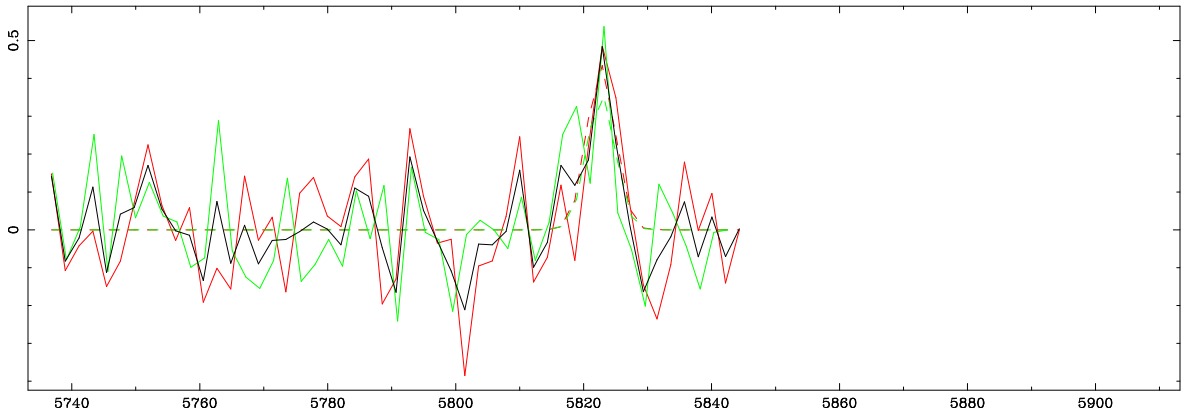
λ_{obs} = 4826.07Å

EW_{obs} > 61.79Å

α_{2000} = 189.1006°

δ_{2000} = 62.1959°





S/N = 5.58

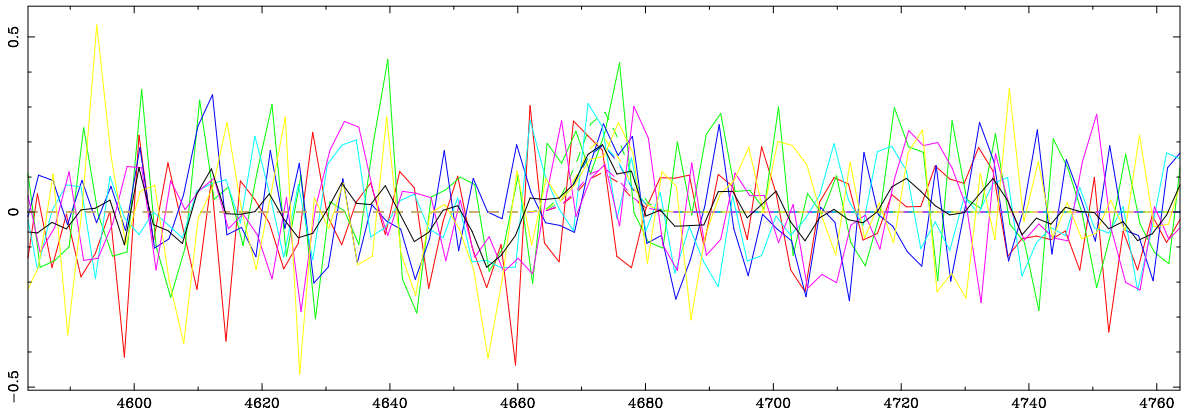
$FWHM_{obs}$ = 5.20Å

λ_{obs} = 5822.71Å

EW_{obs} = 34.29Å

α_{2000} = 189.0968°

δ_{2000} = 62.1905°



S/N = 5.04

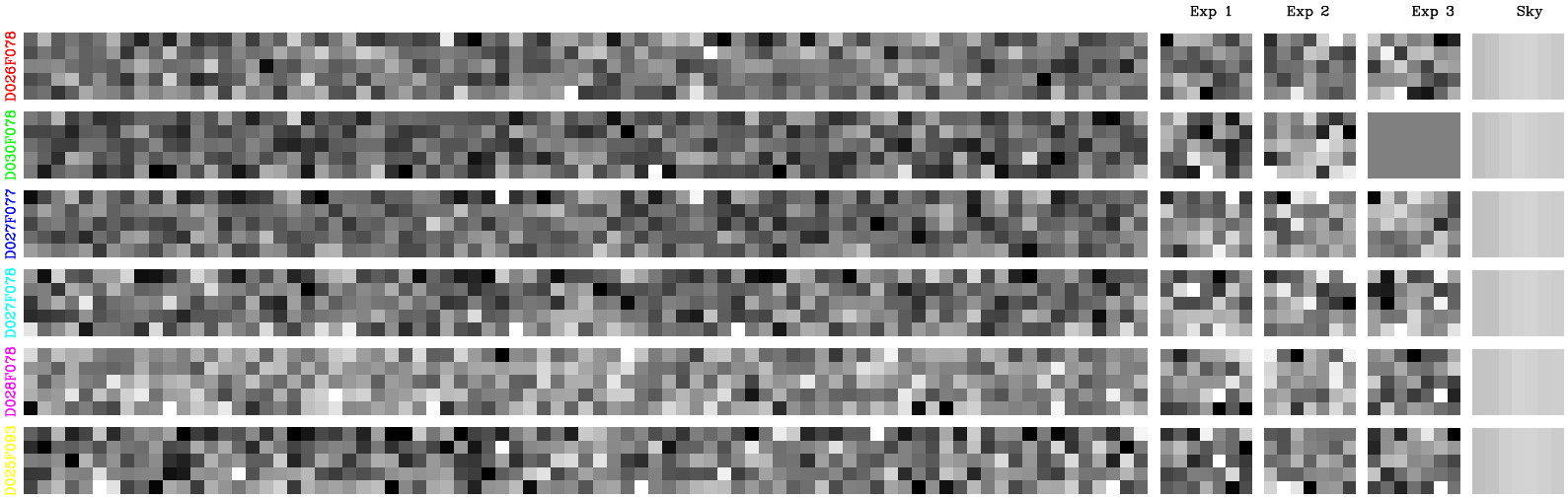
$FWHM_{obs}$ = 7.77Å

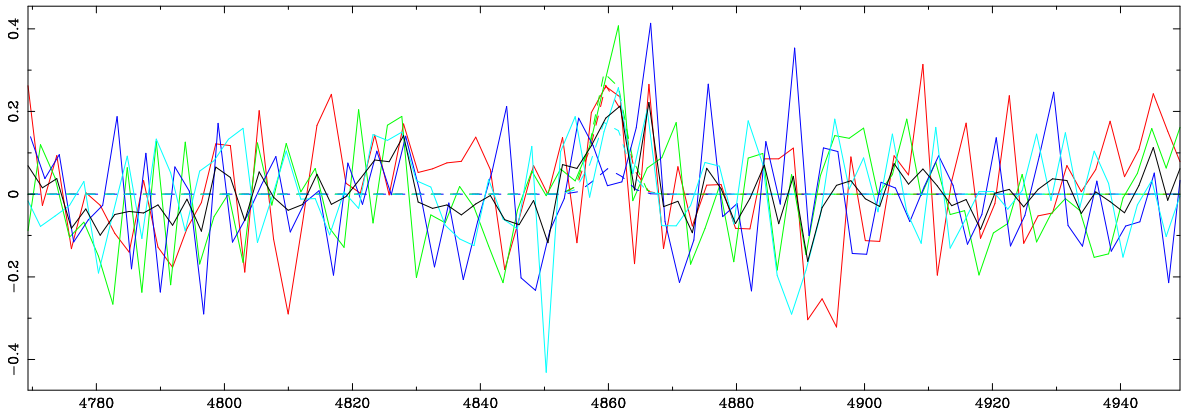
λ_{obs} = 4673.14Å

EW_{obs} > 57.88Å

α_{2000} = 189.0836°

δ_{2000} = 62.1882°





S/N = 5.32

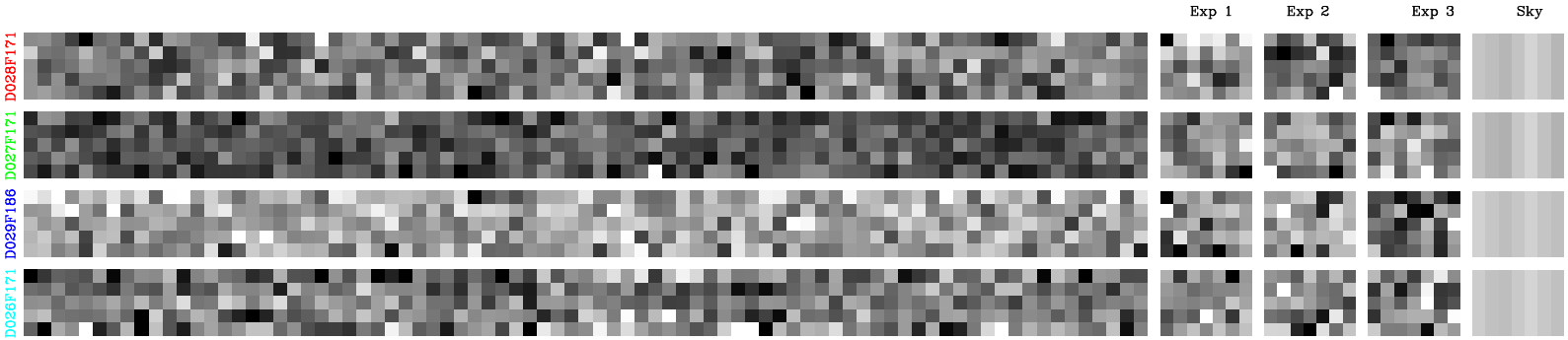
$FWHM_{obs}$ = 5.26Å

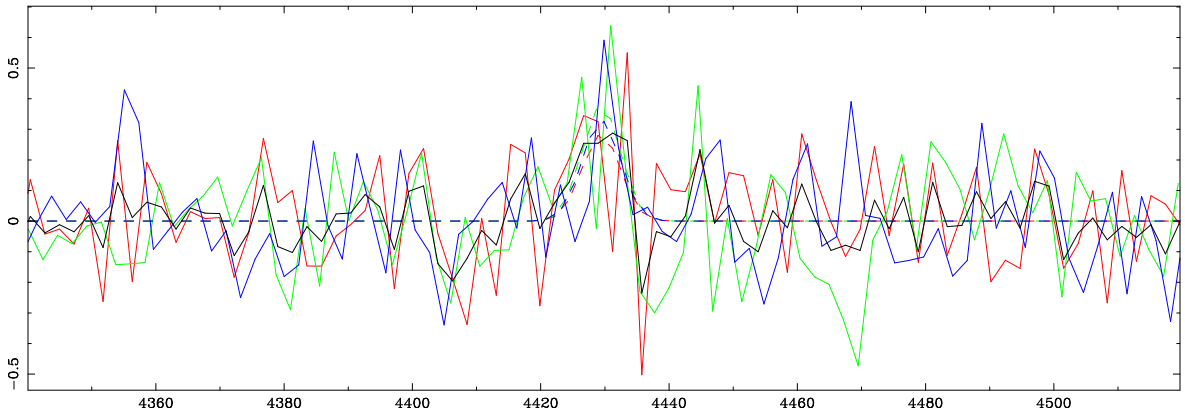
λ_{obs} = 4860.16Å

EW_{obs} > 50.67Å

α_{2000} = 189.1101°

δ_{2000} = 62.1776°





$S/N = 5.25$

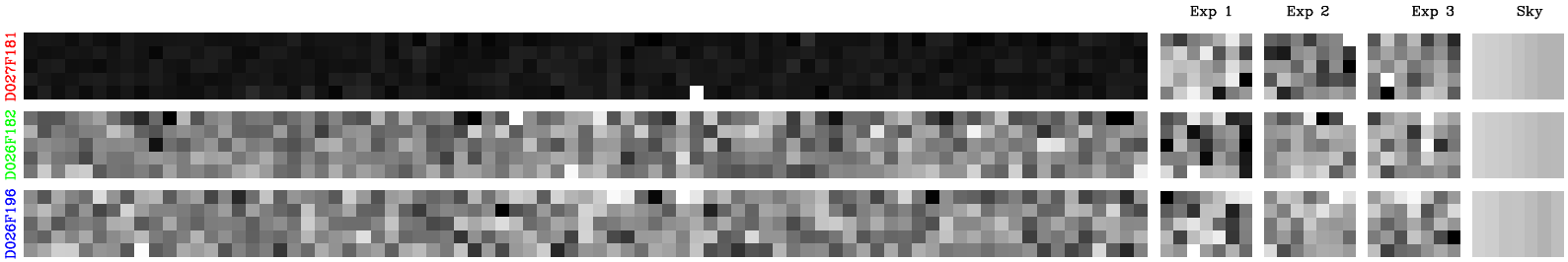
$FWHM_{obs} = 7.04$Å

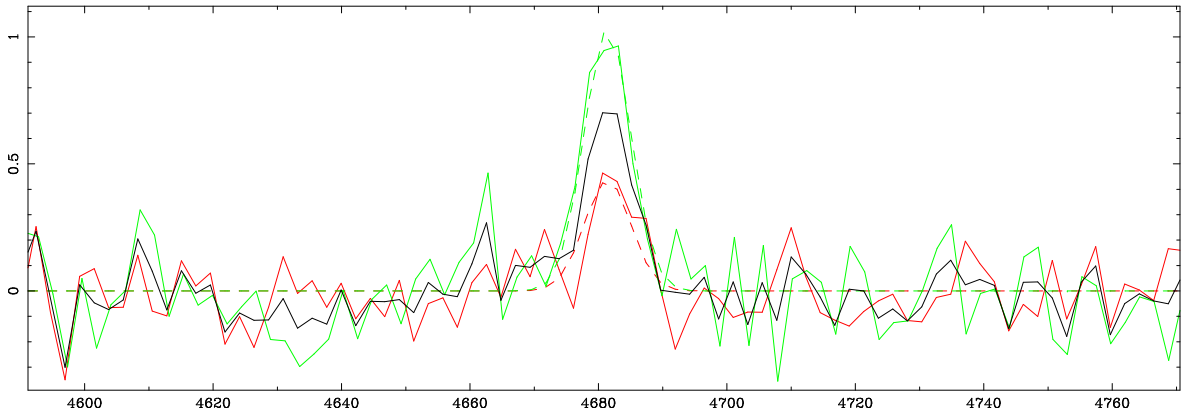
$\lambda_{obs} = 4429.44$Å

$EW_{obs} > 57.67$Å

$\alpha_{2000} = 189.0915°$

$\delta_{2000} = 62.1755°$





S/N = 10.63

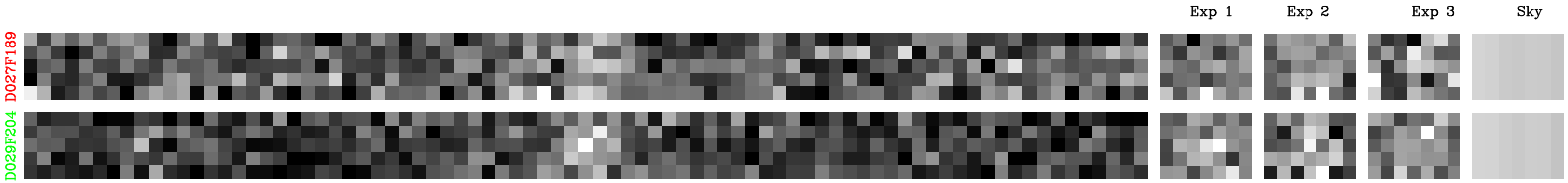
$FWHM_{obs}$ = 8.55Å

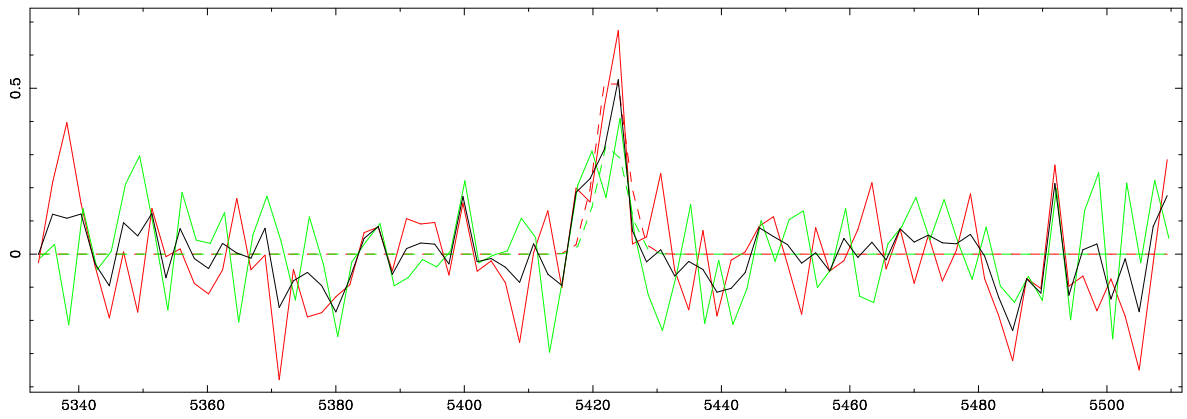
λ_{obs} = 4681.42Å

EW_{obs} = 109.48Å

α_{2000} = 189.0626°

δ_{2000} = 62.1737°





S/N = 6.51

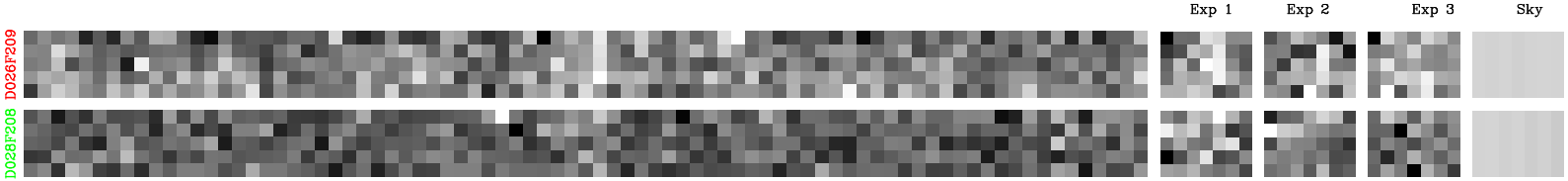
$FWHM_{obs}$ = 5.26Å

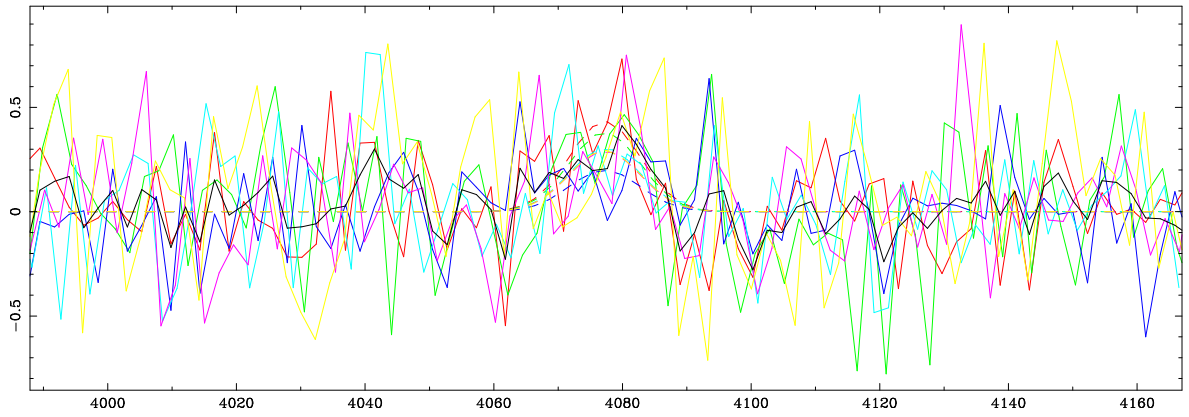
λ_{obs} = 5422.86Å

EW_{obs} = 26.07Å

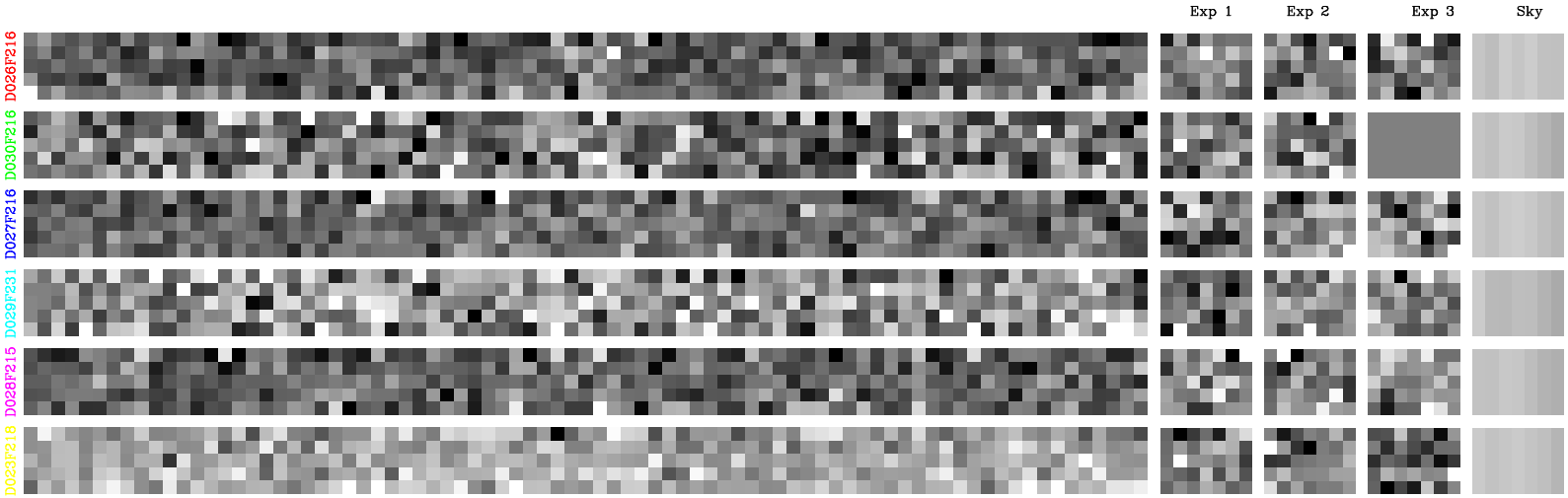
α_{2000} = 189.0834°

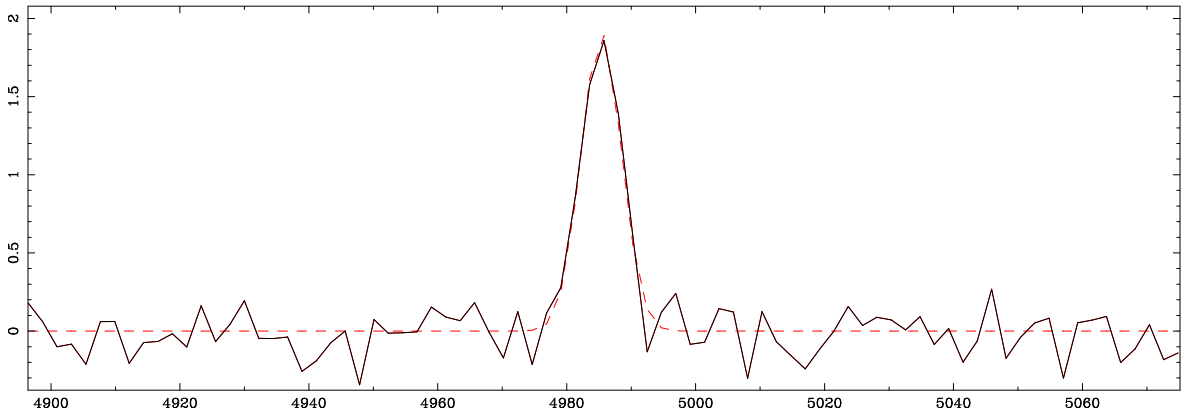
δ_{2000} = 62.1728°





S/N = 5.80
$FWHM_{obs}$ = 13.03Å
λ_{obs} = 4077.24Å
EW_{obs} = 67.74Å
α_{2000} = 189.1158°
δ_{2000} = 62.1721°





S/N = 18.53

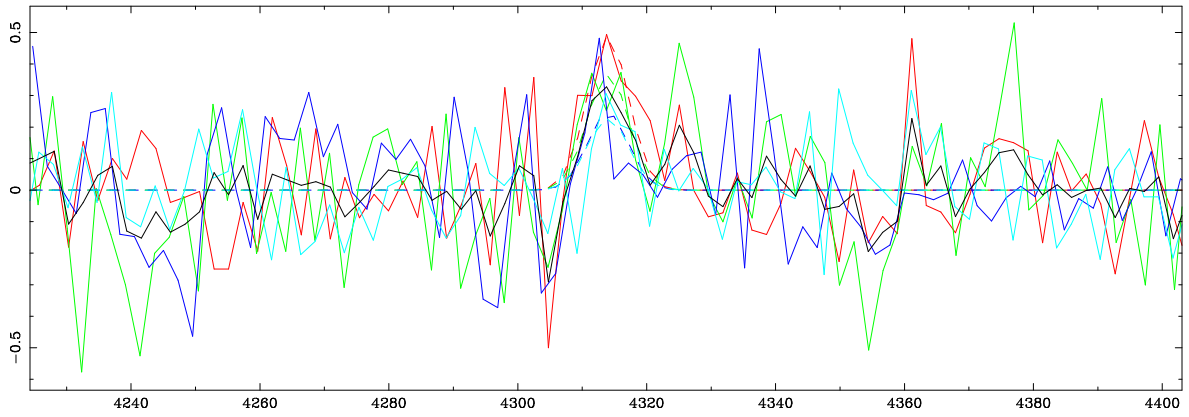
$FWHM_{obs}$ = 7.33Å

λ_{obs} = 4985.35Å

EW_{obs} = 36.95Å

α_{2000} = 189.0664°

δ_{2000} = 62.1693°



$S/N = 5.16$

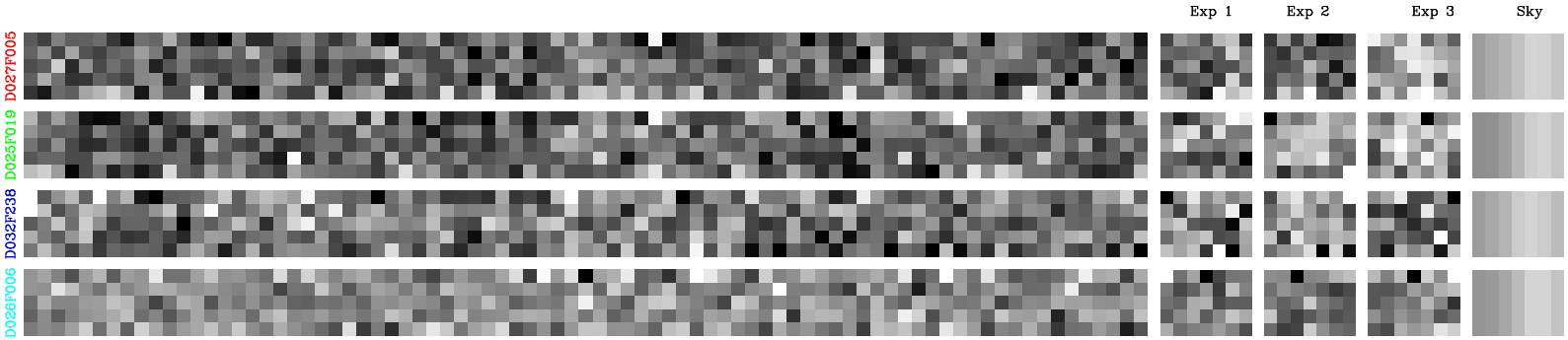
$FWHM_{obs} = 7.53Å$

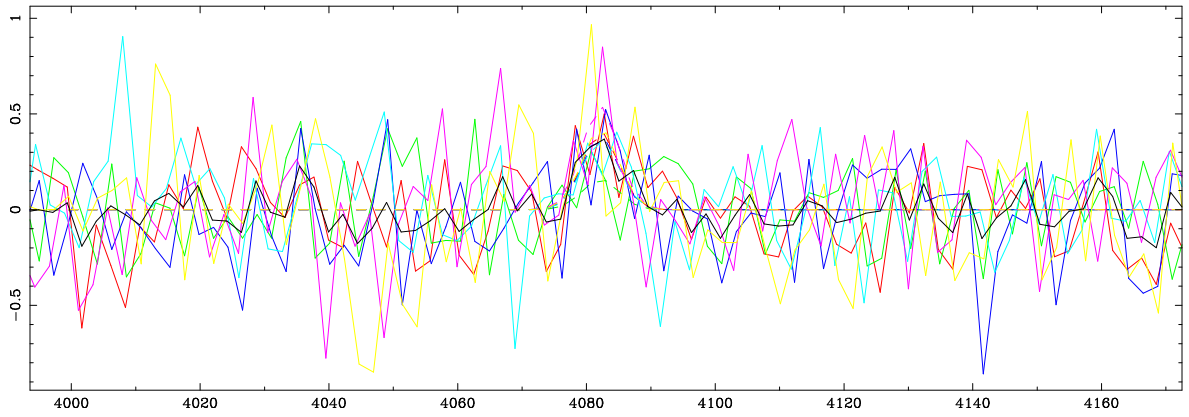
$\lambda_{obs} = 4313.98Å$

$EW_{obs} > 54.30Å$

$\alpha_{2000} = 189.0816°$

$\delta_{2000} = 62.1969°$





S/N = 5.20

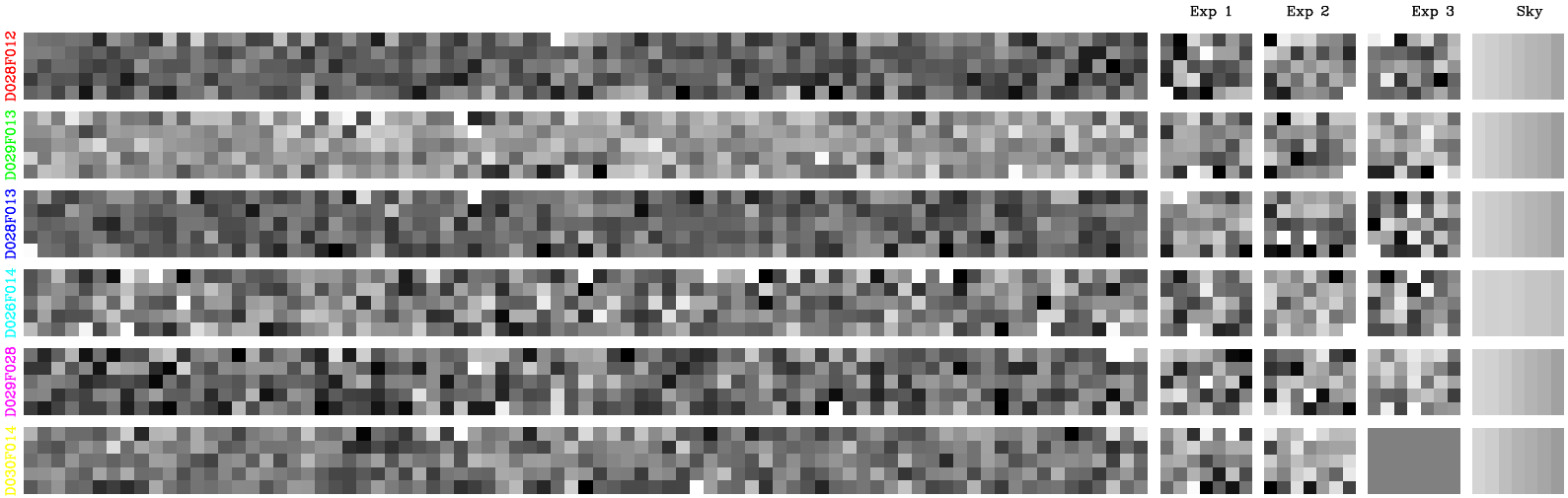
$FWHM_{obs}$ = 6.73Å

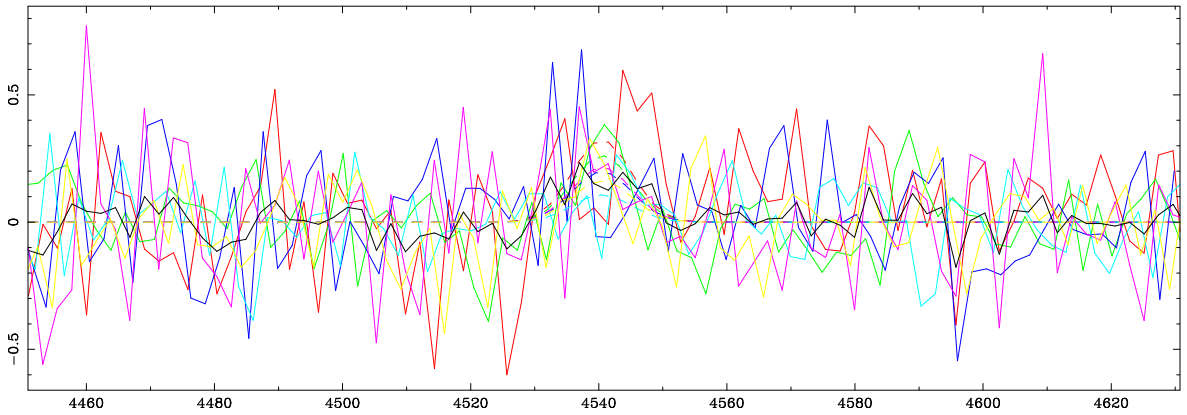
λ_{obs} = 4082.17Å

EW_{obs} > 56.46Å

α_{2000} = 189.1179°

δ_{2000} = 62.1971°





$S/N = 5.43$

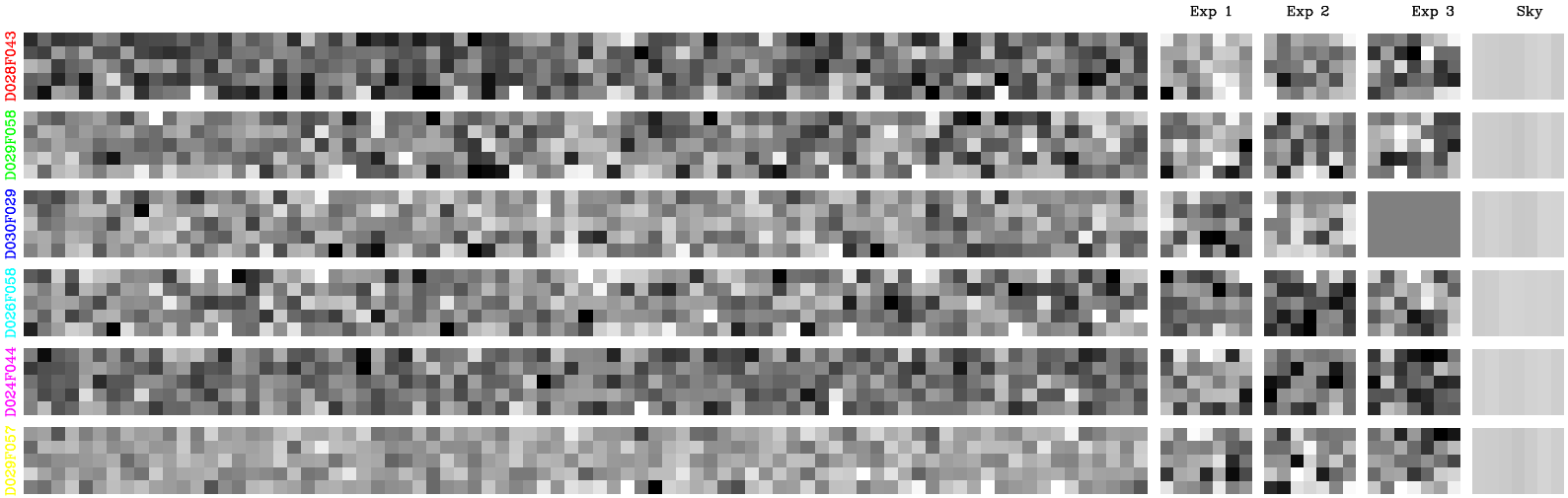
$FWHM_{obs} = 10.90Å$

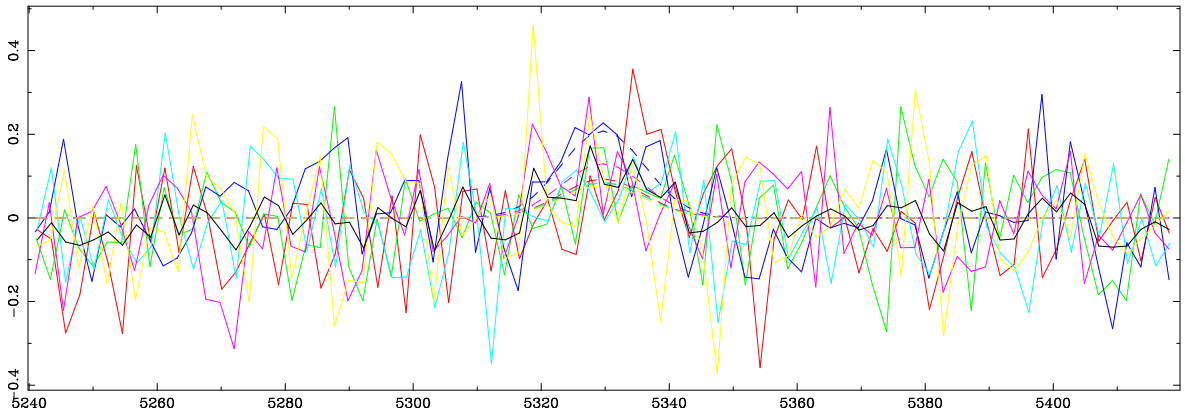
$\lambda_{obs} = 4540.49Å$

$EW_{obs} > 75.17Å$

$\alpha_{2000} = 189.1213°$

$\delta_{2000} = 62.1933°$





S/N = 5.59

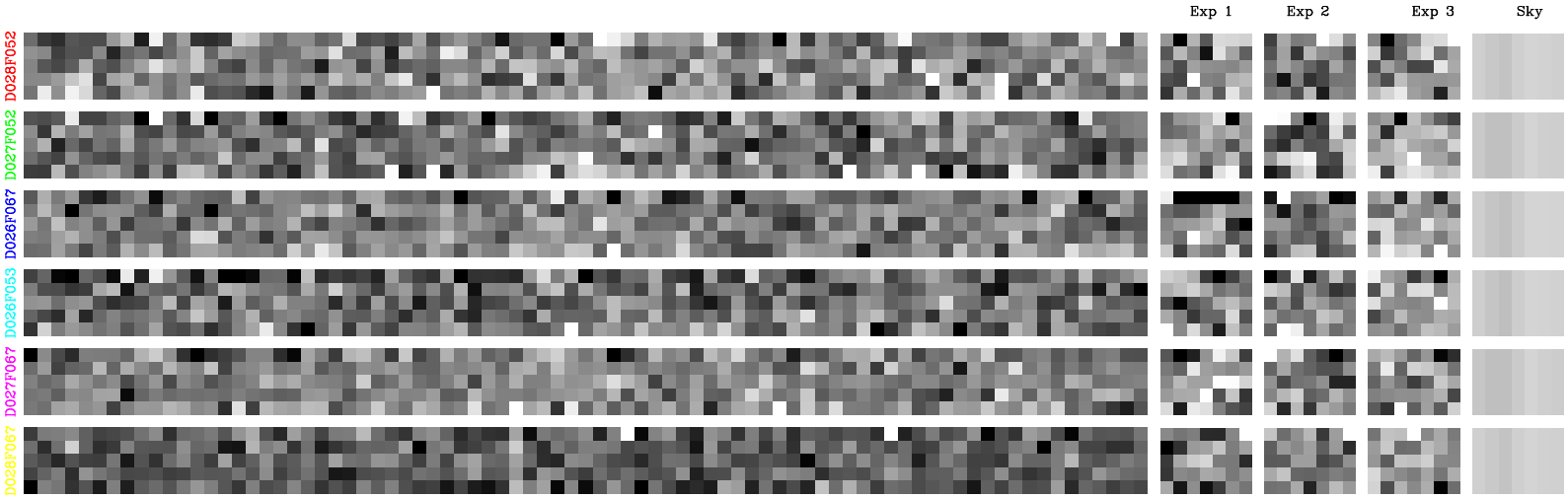
$FWHM_{obs}$ = 15.28Å

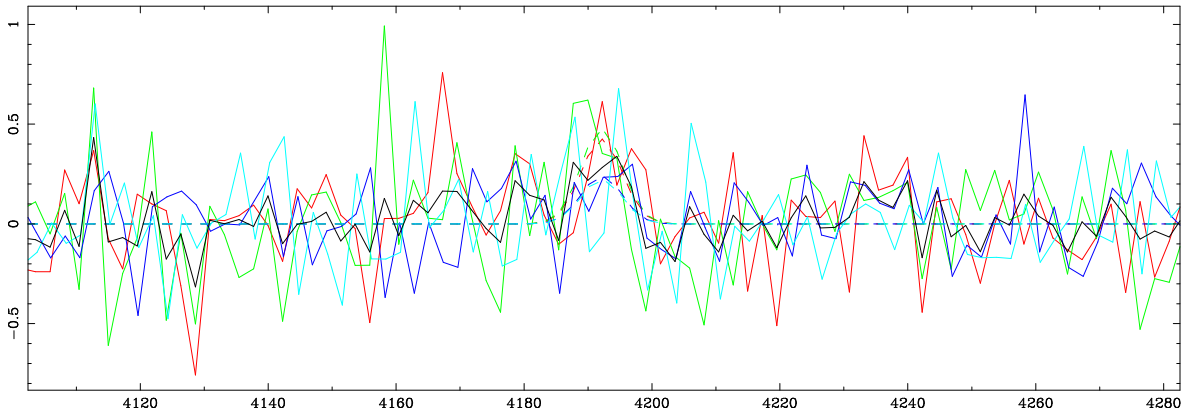
λ_{obs} = 5329.62Å

EW_{obs} = 77.13Å

α_{2000} = 189.0987°

δ_{2000} = 62.1910°





S/N = 5.05

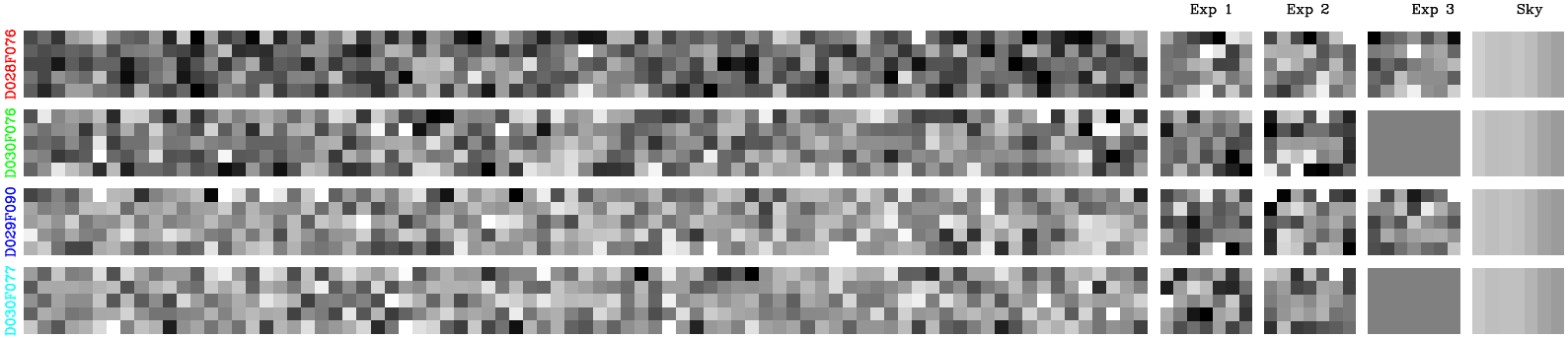
$FWHM_{obs}$ = 7.58Å

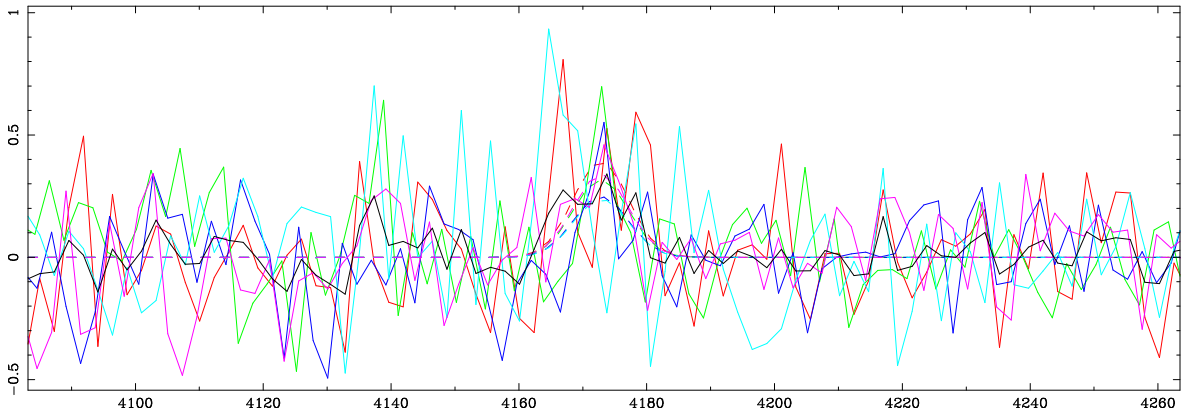
λ_{obs} = 4192.13Å

EW_{obs} > 50.11Å

α_{2000} = 189.0752°

δ_{2000} = 62.1883°





$S/N = 5.05$

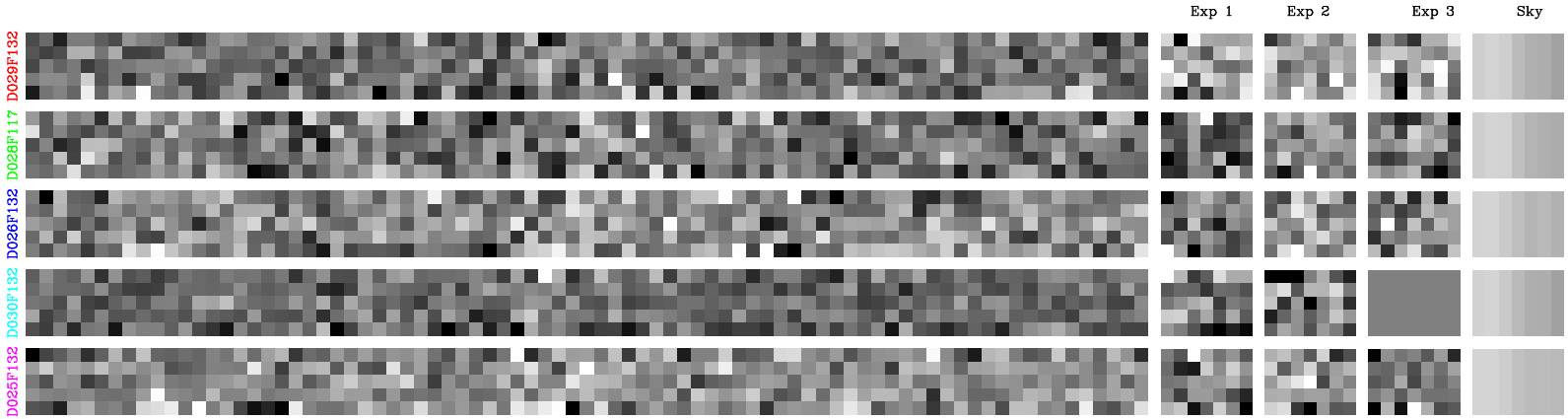
$FWHM_{obs} = 10.14Å$

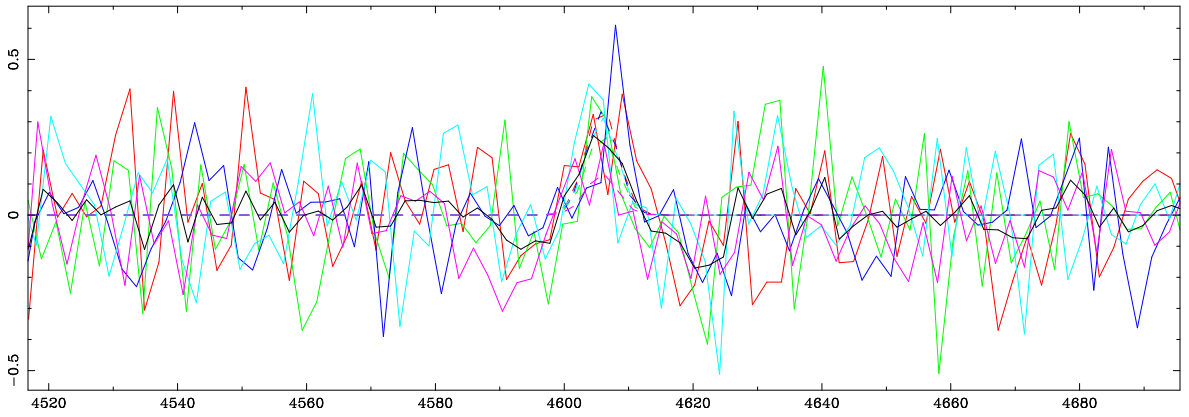
$\lambda_{obs} = 4172.83Å$

$EW_{obs} > 72.48Å$

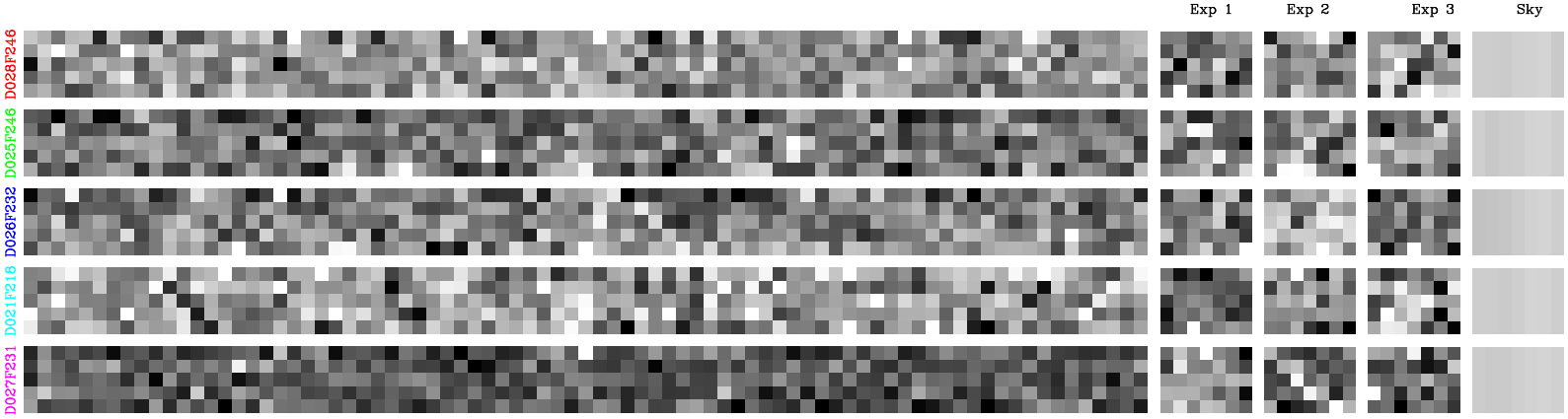
$\alpha_{2000} = 189.0655°$

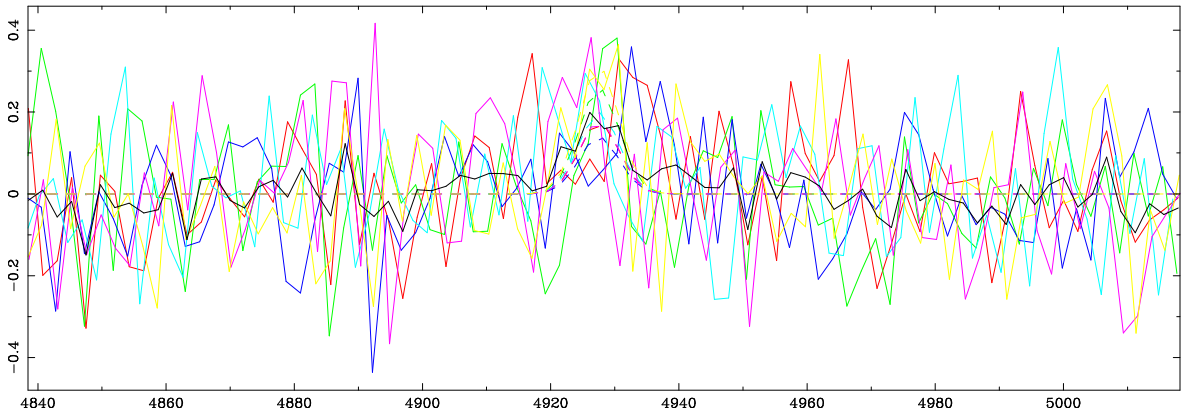
$\delta_{2000} = 62.1823°$



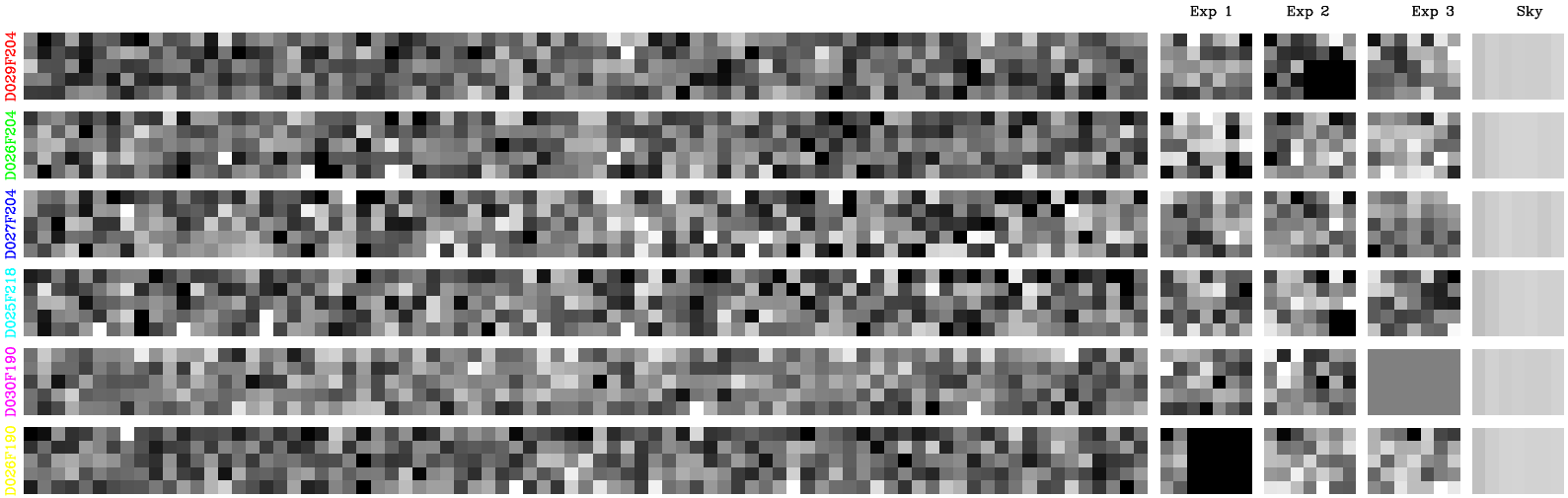


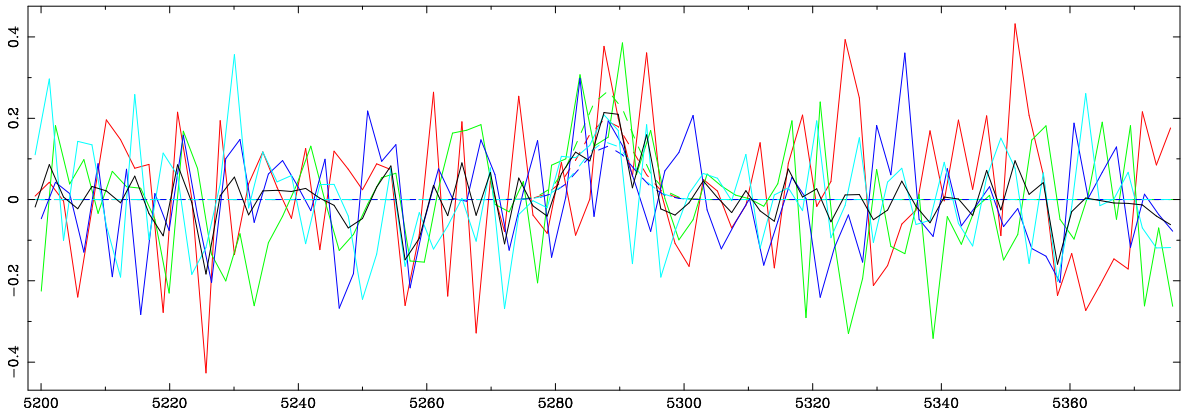
S/N = 5.17
$FWHM_{obs}$ = 5.69Å
λ_{obs} = 4605.81Å
EW_{obs} > 52.13Å
α_{2000} = 189.1209°
δ_{2000} = 62.1701°





S/N = 5.16
$FWHM_{obs}$ = 7.38Å
λ_{obs} = 4927.54Å
EW_{obs} > 59.94Å
α_{2000} = 189.0634°
δ_{2000} = 62.1733°





S/N = 5.36

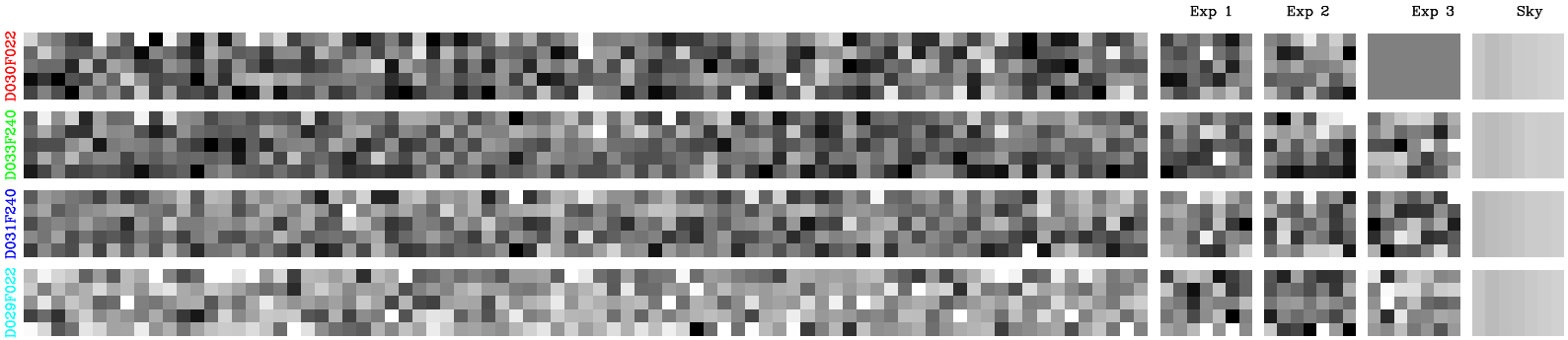
$FWHM_{obs}$ = 9.52Å

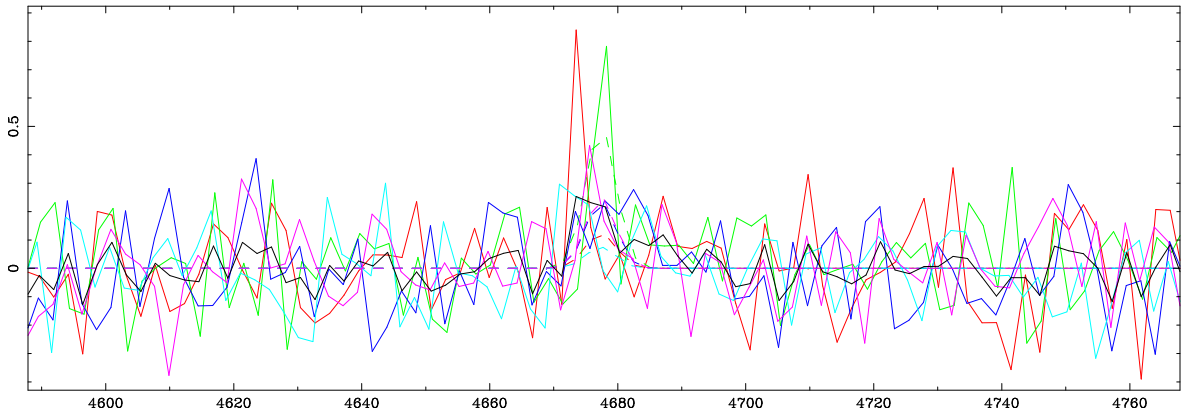
λ_{obs} = 5287.96Å

EW_{obs} > 61.50Å

α_{2000} = 189.0909°

δ_{2000} = 62.1959°





$S/N = 5.22$

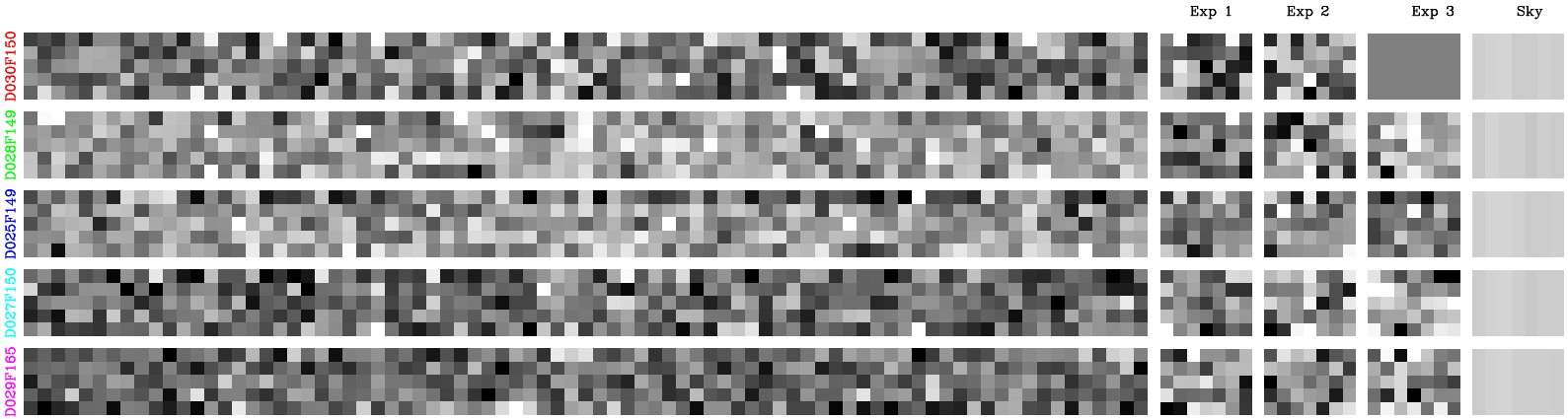
$FWHM_{obs} = 5.60Å$

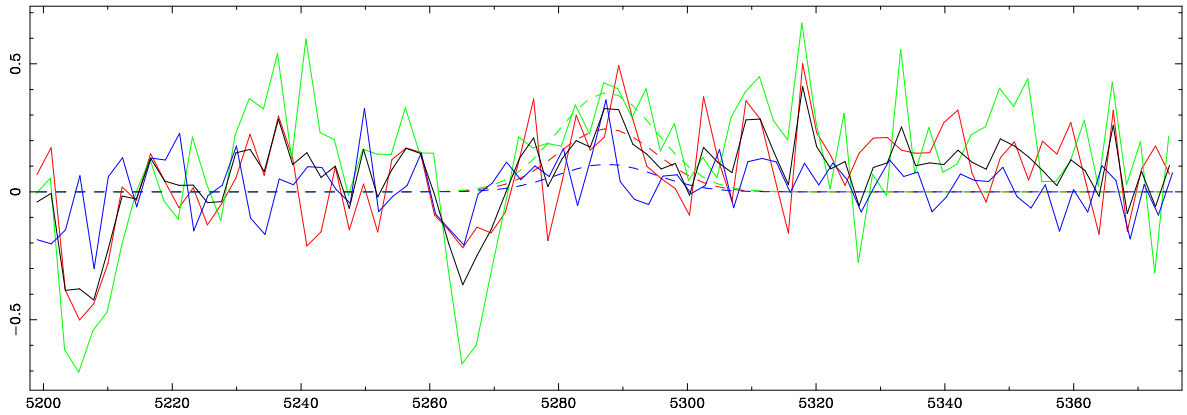
$\lambda_{obs} = 4677.34Å$

$EW_{obs} > 50.95Å$

$\alpha_{2000} = 189.0796°$

$\delta_{2000} = 62.1797°$





S/N = 6.55

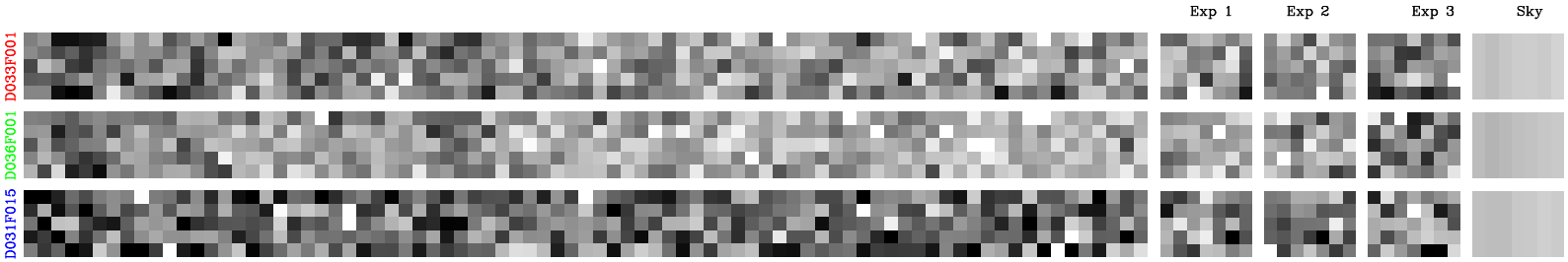
$FWHM_{obs}$ = 18.05Å

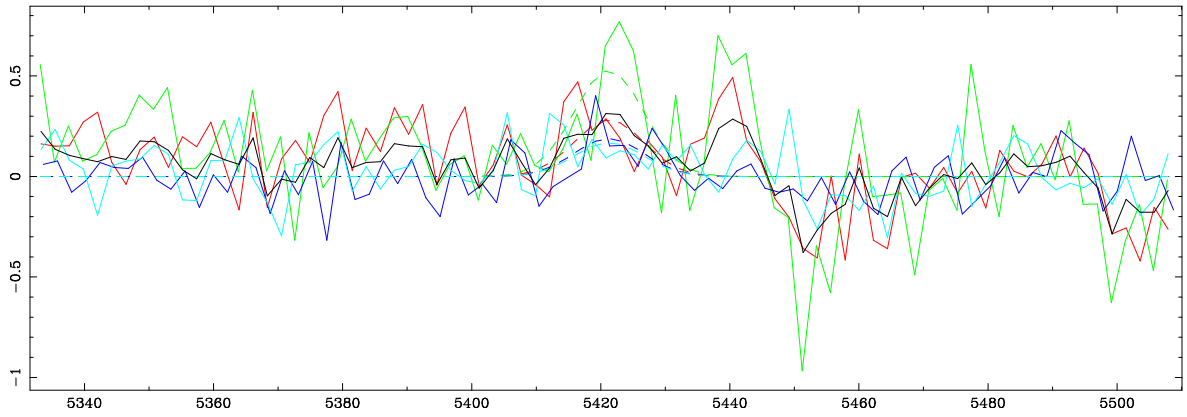
λ_{obs} = 5287.50Å

EW_{obs} = 4.83Å

α_{2000} = 189.0590°

δ_{2000} = 62.2242°





S/N = 7.77

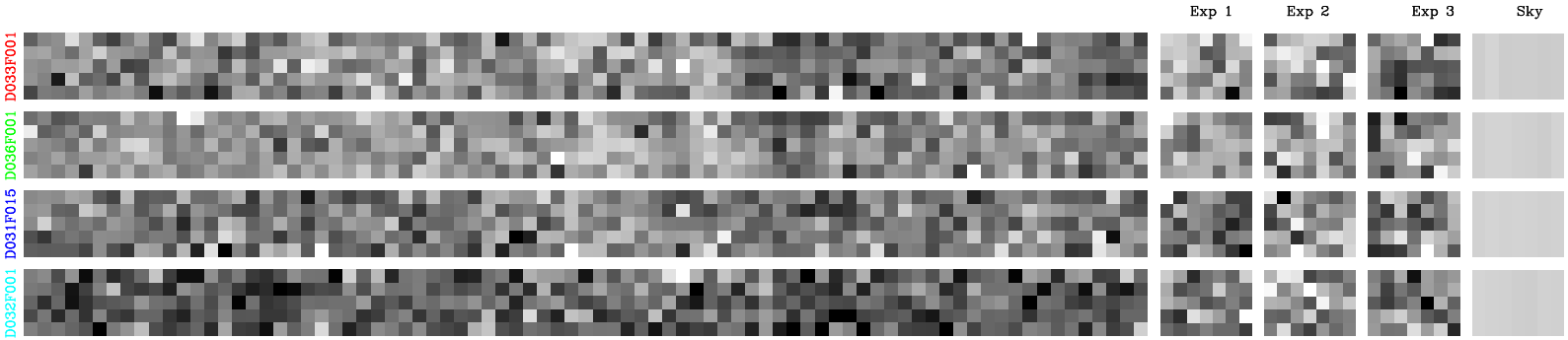
$FWHM_{obs}$ = 12.75Å

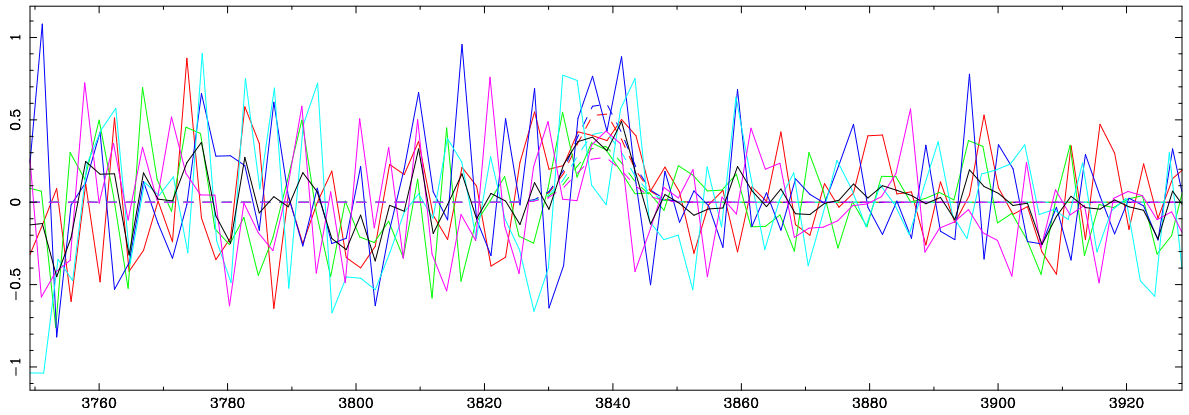
λ_{obs} = 5421.27Å

EW_{obs} = 4.19Å

α_{2000} = 189.0588°

δ_{2000} = 62.2242°





S/N = 5.07

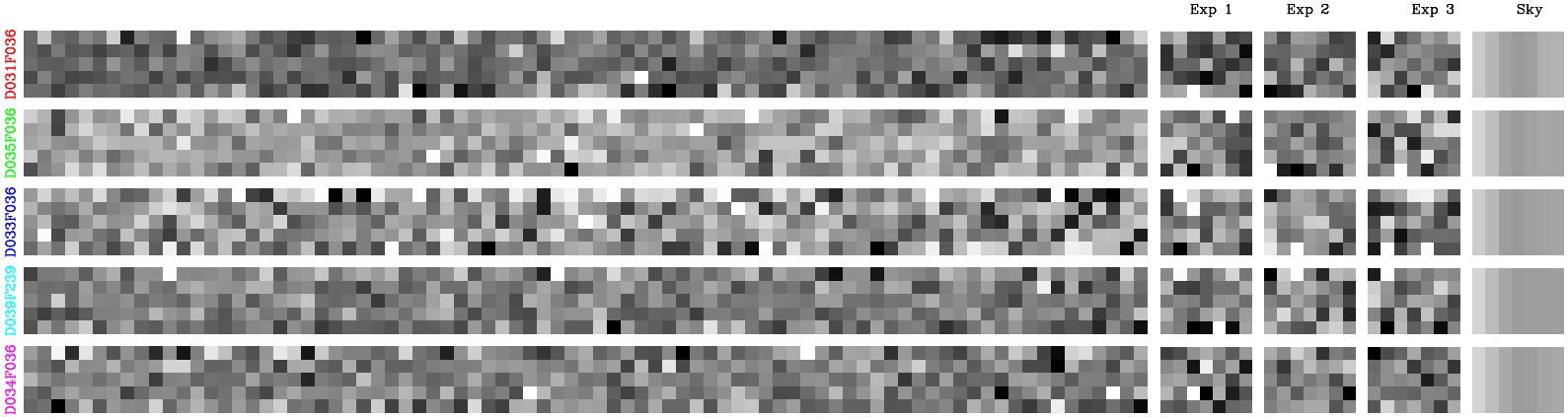
$FWHM_{obs}$ = 8.90Å

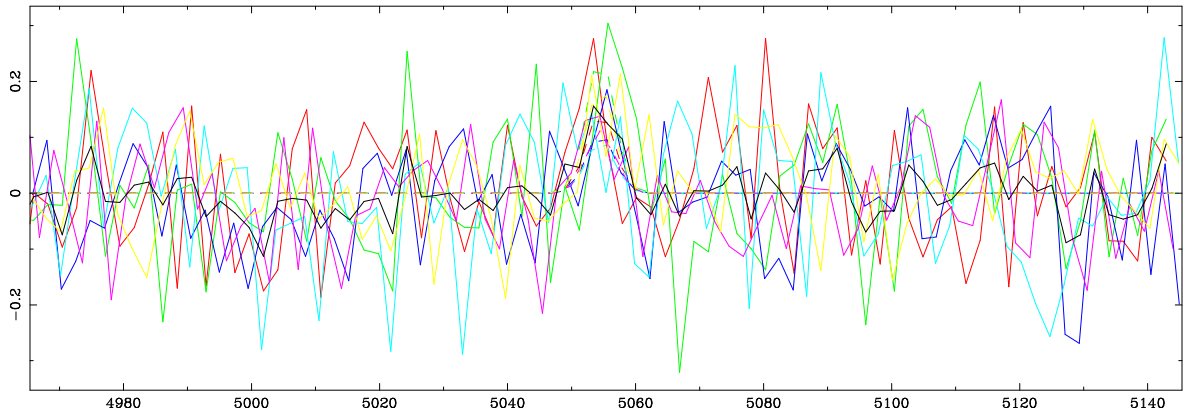
λ_{obs} = 3838.08Å

EW_{obs} > 57.48Å

α_{2000} = 189.0859°

δ_{2000} = 62.2215°





$S/N = 5.07$

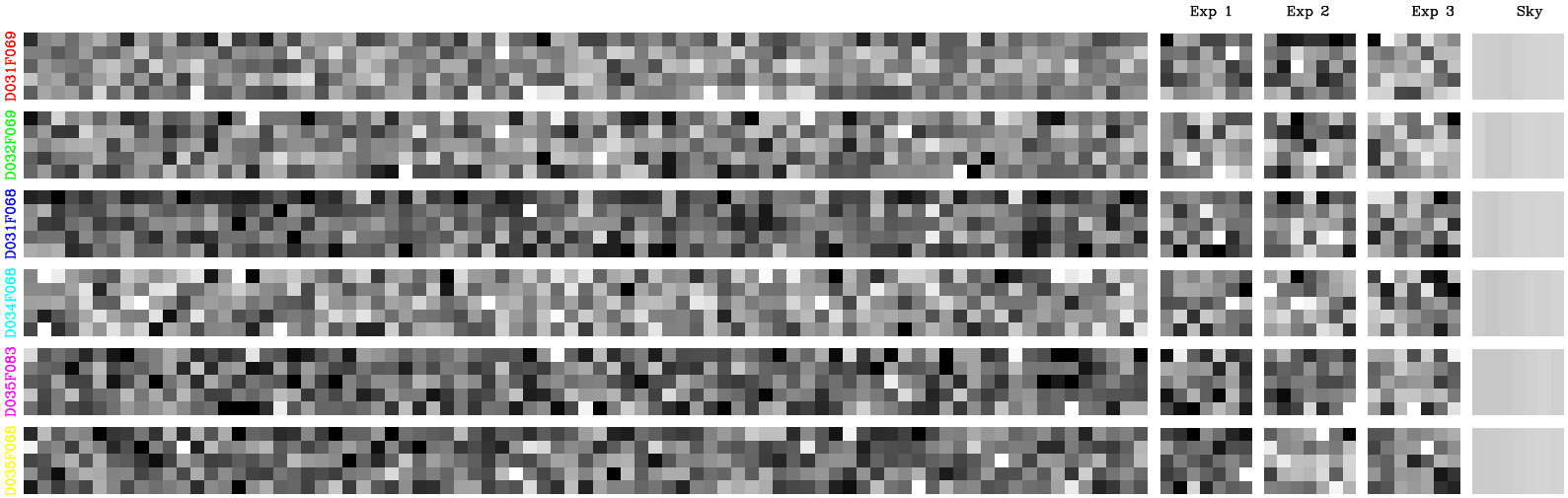
$FWHM_{obs} = 5.22$Å

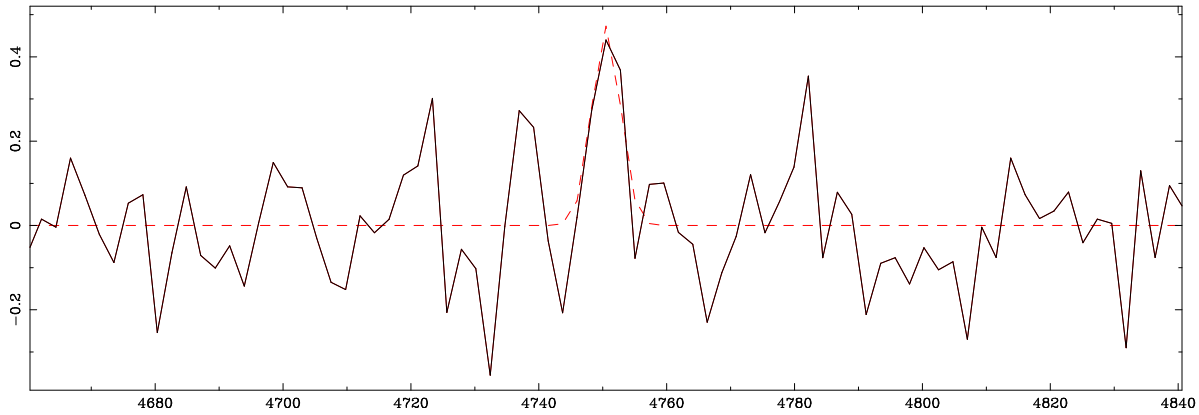
$\lambda_{obs} = 5054.49$Å

$EW_{obs} > 47.80$Å

$\alpha_{2000} = 189.1005°$

$\delta_{2000} = 62.2176°$





S/N = 5.11

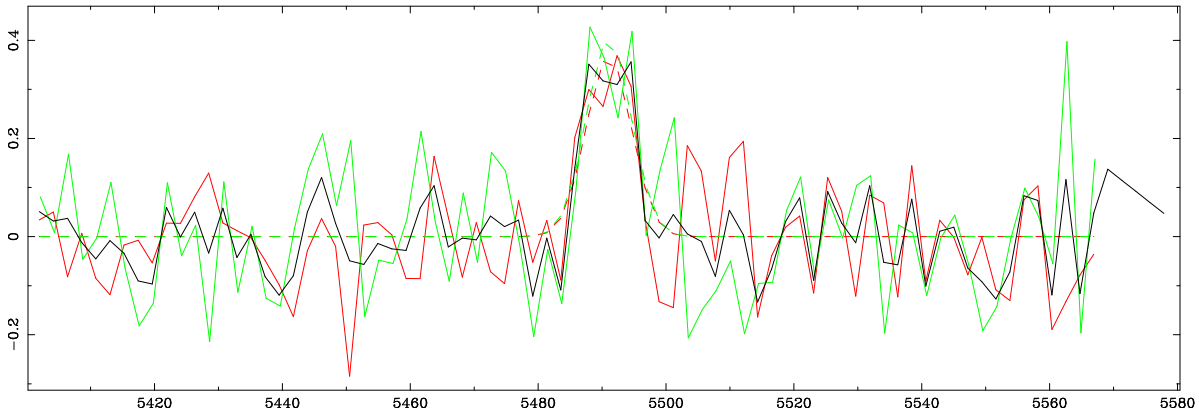
$FWHM_{obs}$ = 5.23Å

λ_{obs} = 4750.52Å

EW_{obs} = 4.91Å

α_{2000} = 189.0818°

δ_{2000} = 62.2146°



S/N = 8.06

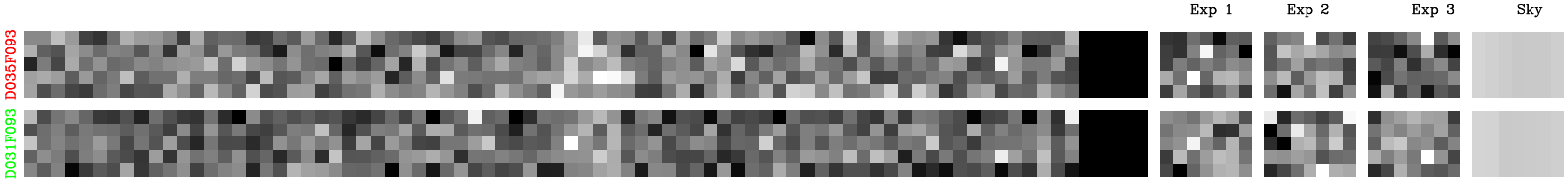
$FWHM_{obs}$ = 8.25Å

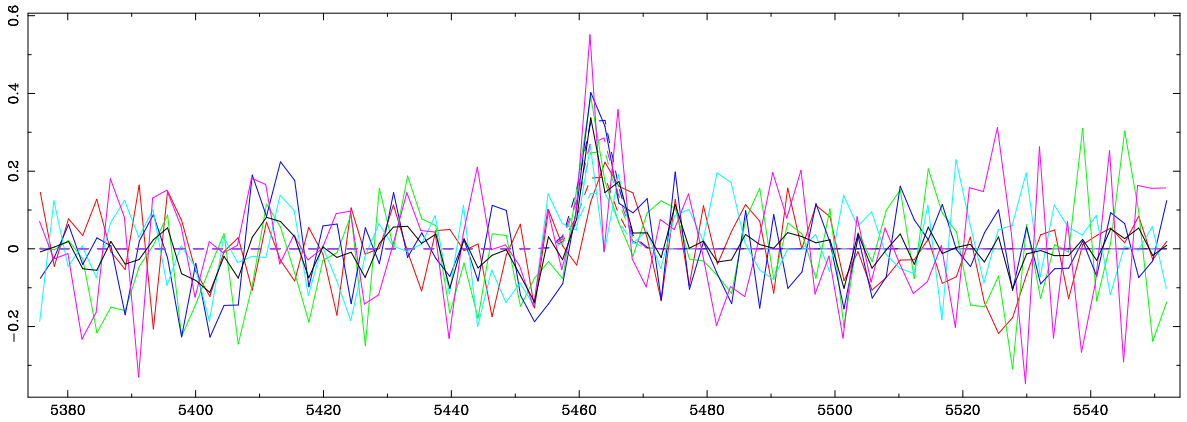
λ_{obs} = 5491.04Å

EW_{obs} = 9.56Å

α_{2000} = 189.0810°

δ_{2000} = 62.2146°





$S/N = 5.65$

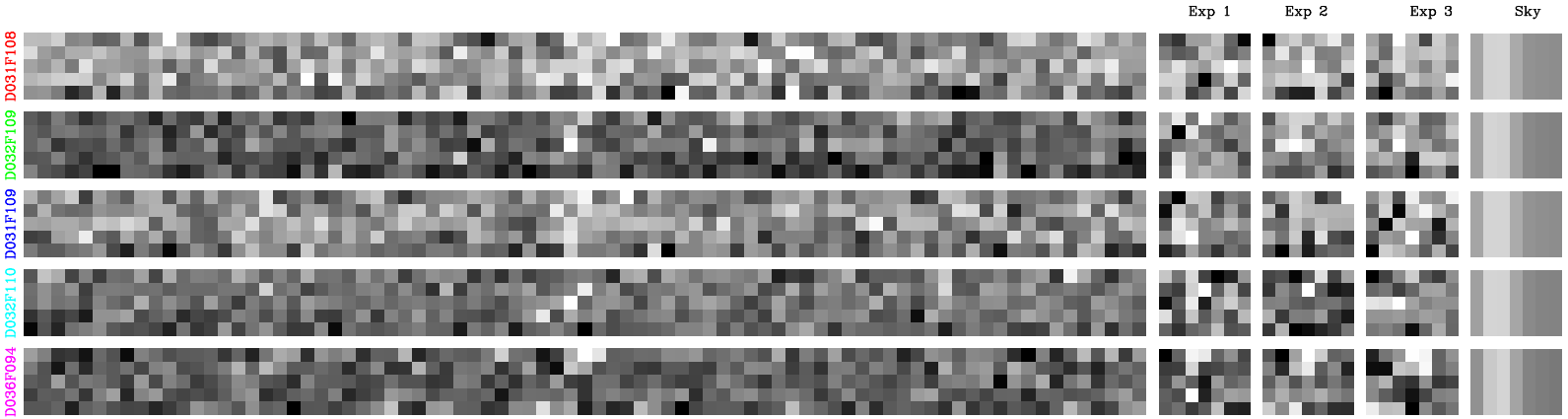
$FWHM_{obs} = 5.95Å$

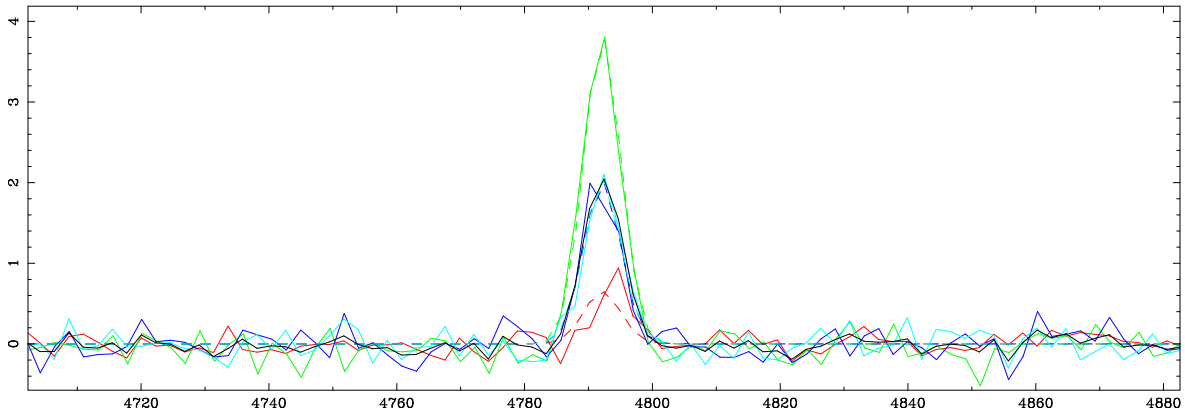
$\lambda_{obs} = 5462.95Å$

$EW_{obs} > 59.66Å$

$\alpha_{2000} = 189.0865°$

$\delta_{2000} = 62.2127°$





$S/N = 36.78$

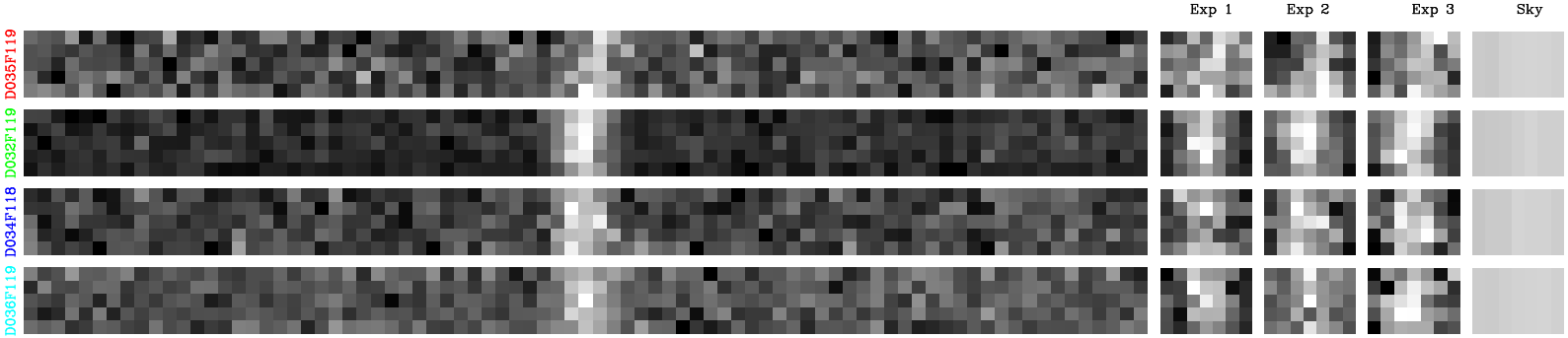
$FWHM_{obs} = 6.87Å$

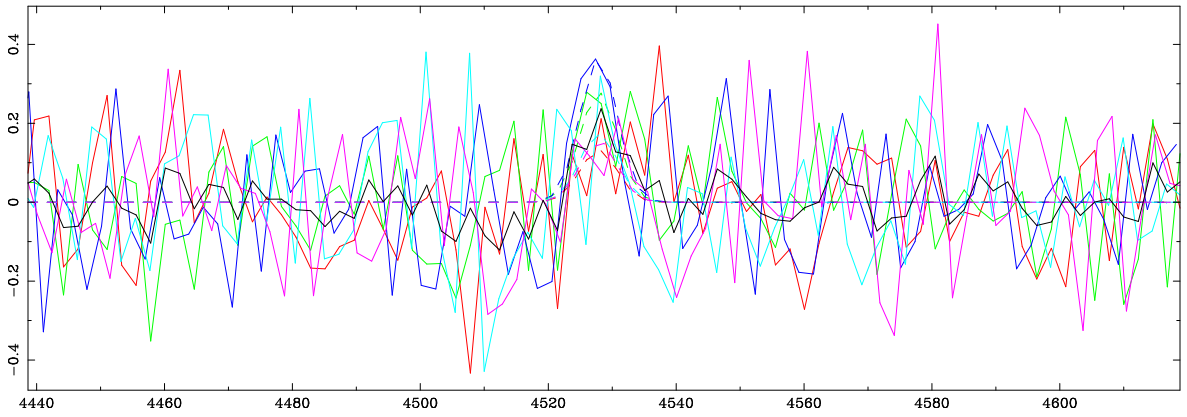
$\lambda_{obs} = 4792.14Å$

$EW_{obs} = 30.57Å$

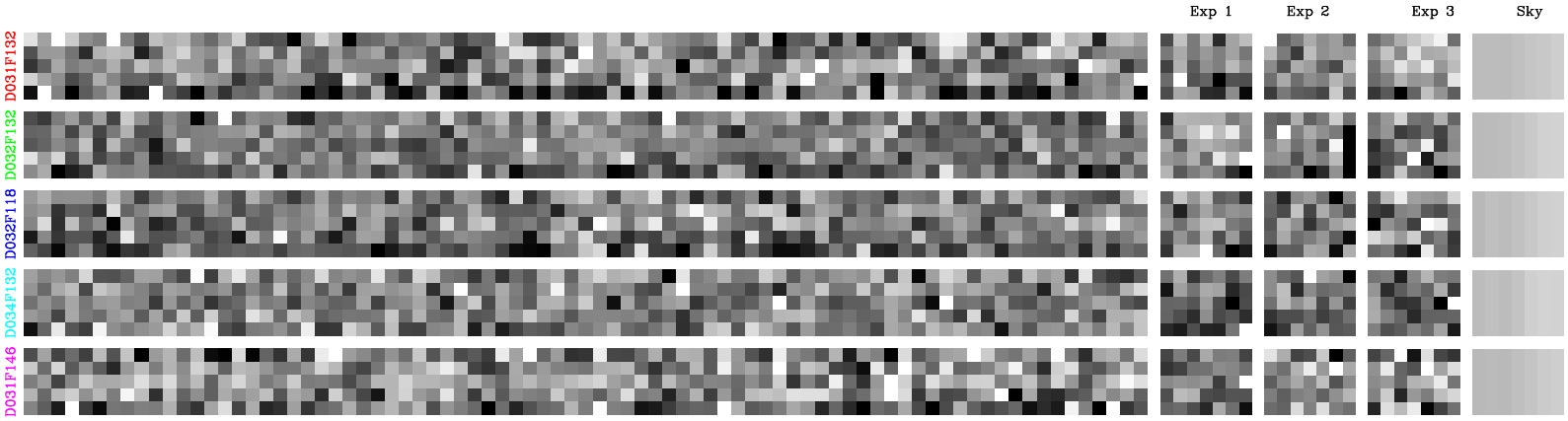
$\alpha_{2000} = 189.0662°$

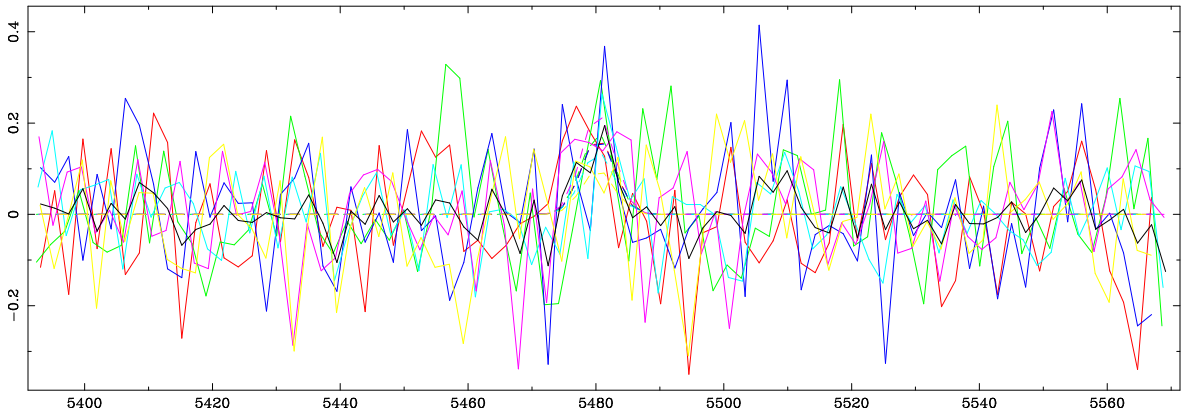
$\delta_{2000} = 62.2105°$





S/N = 5.10
$FWHM_{obs}$ = 6.88Å
λ_{obs} = 4527.88Å
EW_{obs} > 54.07Å
α_{2000} = 189.0612°
δ_{2000} = 62.2093°





$S/N = 5.10$

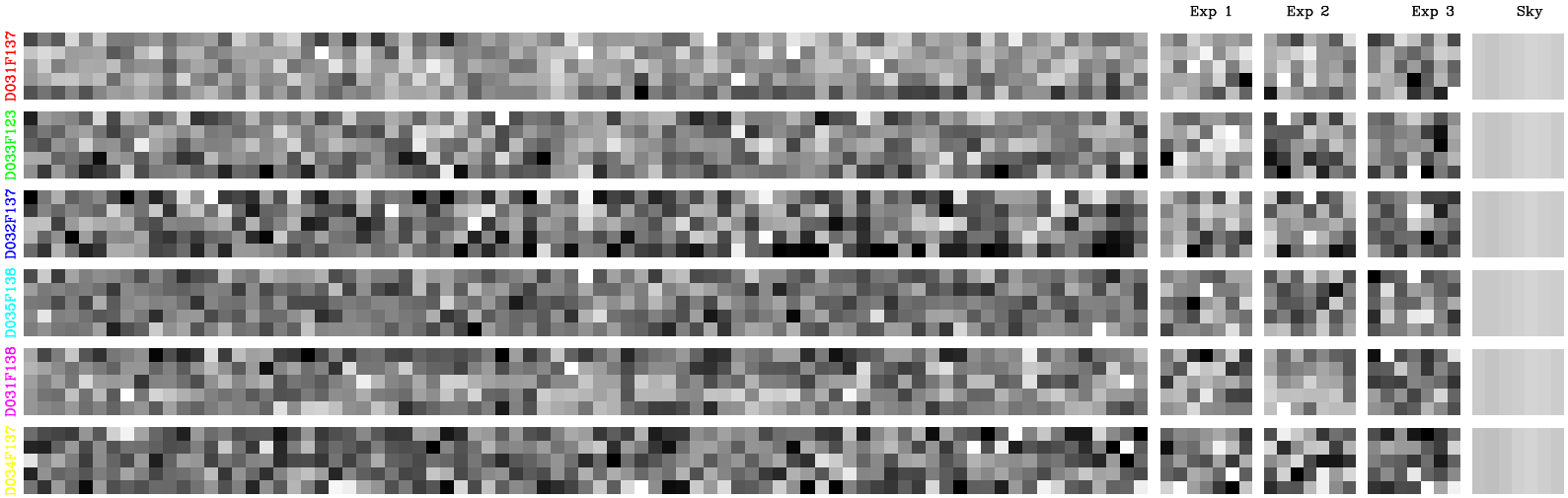
$FWHM_{obs} = 6.04$Å

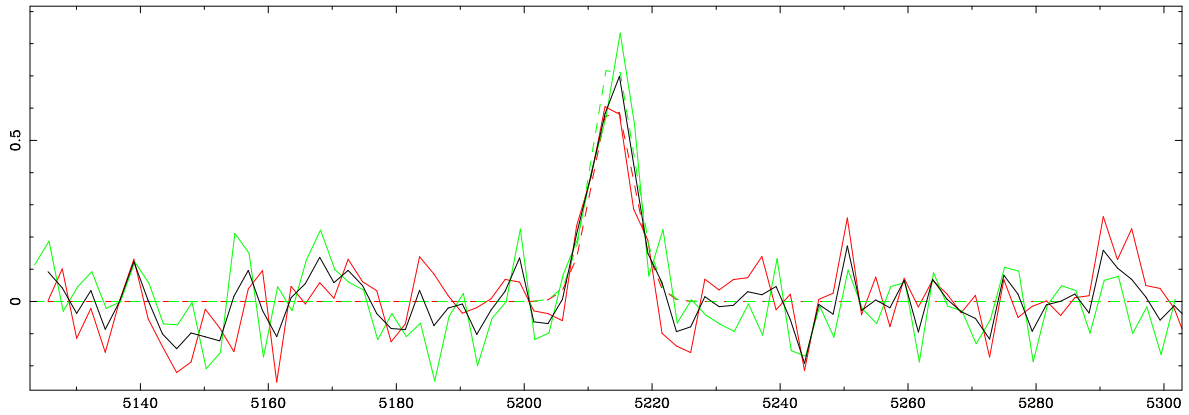
$\lambda_{obs} = 5480.31$Å

$EW_{obs} > 47.58$Å

$\alpha_{2000} = 189.0853°$

$\delta_{2000} = 62.2092°$





S/N = 12.18

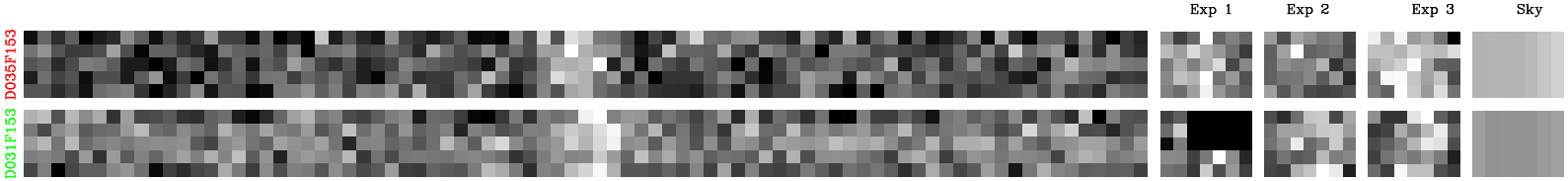
$FWHM_{obs}$ = 7.69Å

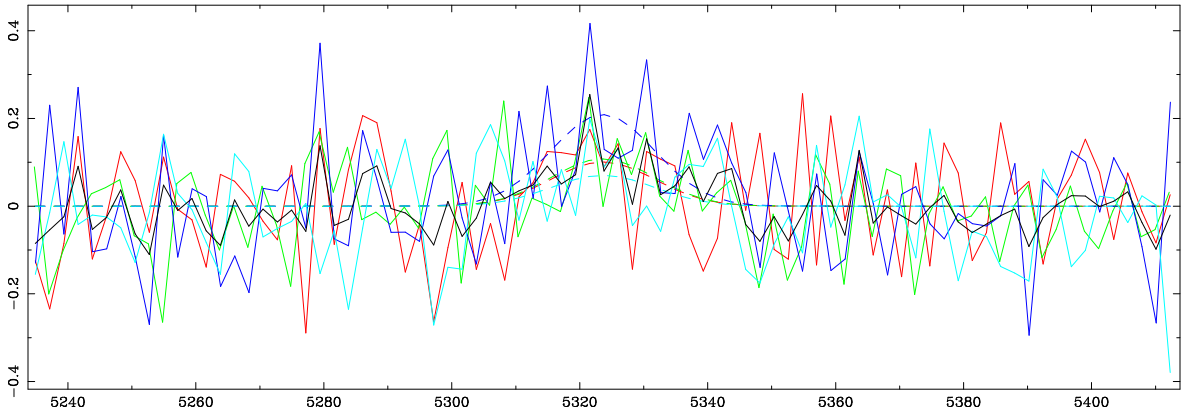
λ_{obs} = 5213.86Å

EW_{obs} = 19.45Å

α_{2000} = 189.0896°

δ_{2000} = 62.2074°





S/N = 5.21

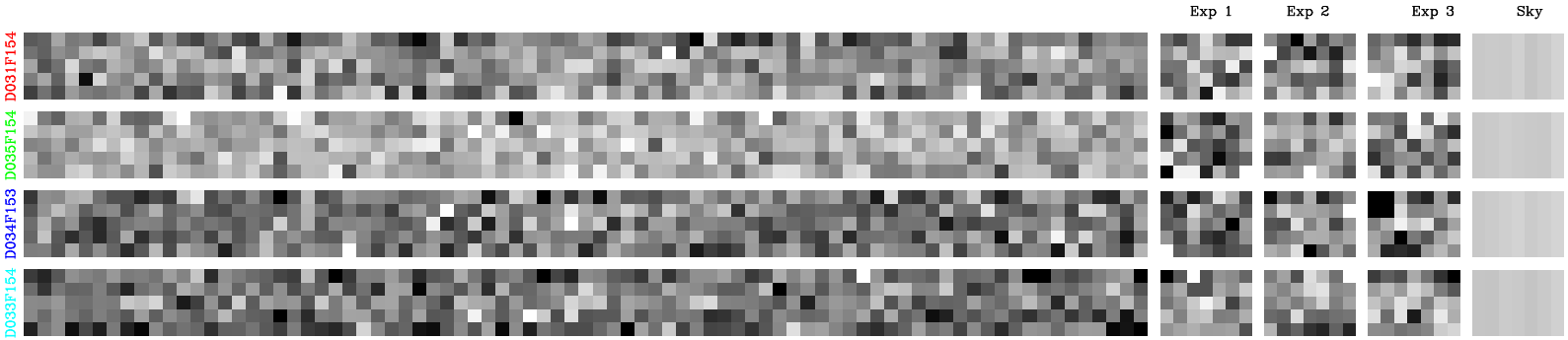
$FWHM_{obs}$ = 19.10Å

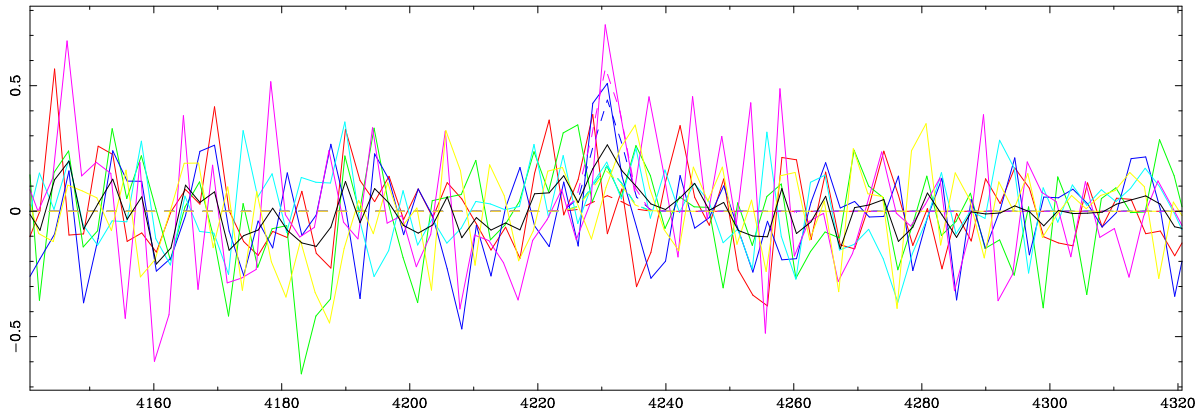
λ_{obs} = 5323.61Å

EW_{obs} > 92.91Å

α_{2000} = 189.0927°

δ_{2000} = 62.2070°





$S/N = 5.47$

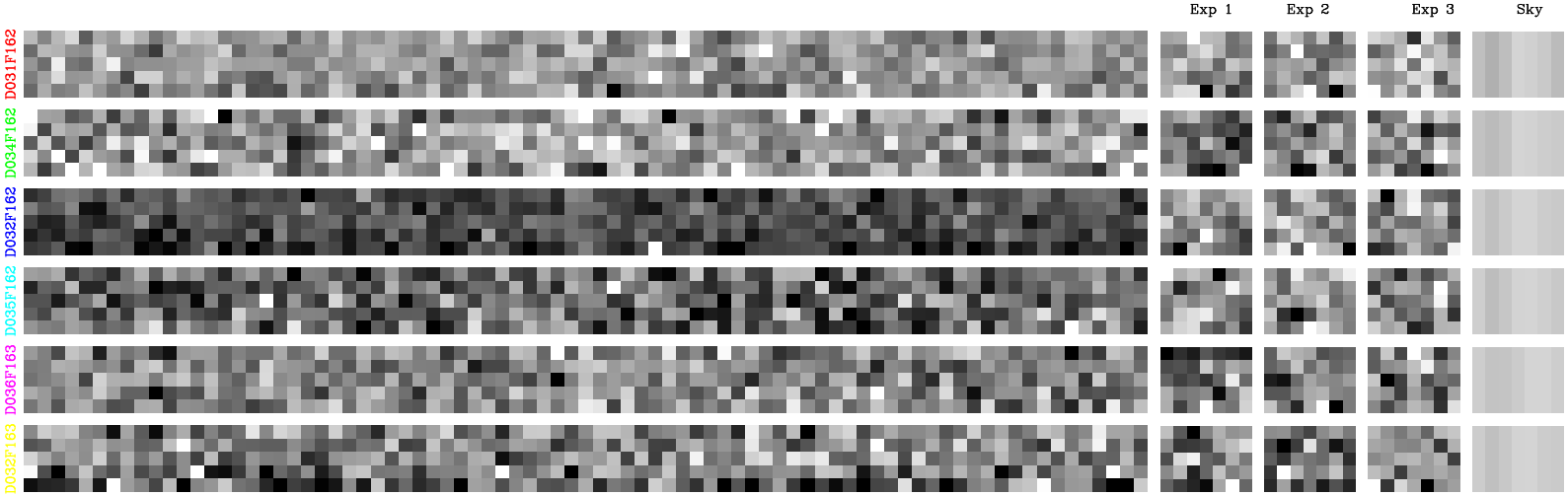
$FWHM_{obs} = 5.20$Å

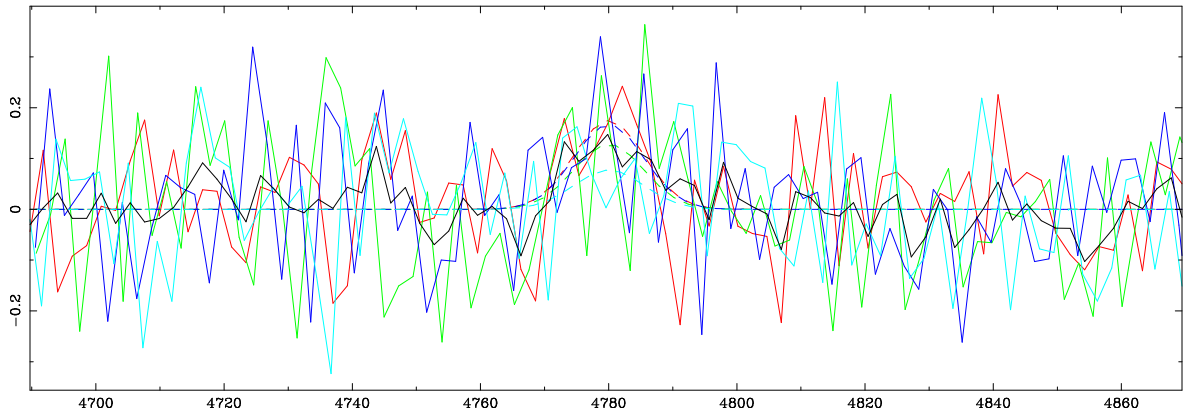
$\lambda_{obs} = 4230.93$Å

$EW_{obs} > 50.37$Å

$\alpha_{2000} = 189.0667°$

$\delta_{2000} = 62.2051°$





S/N = 5.17

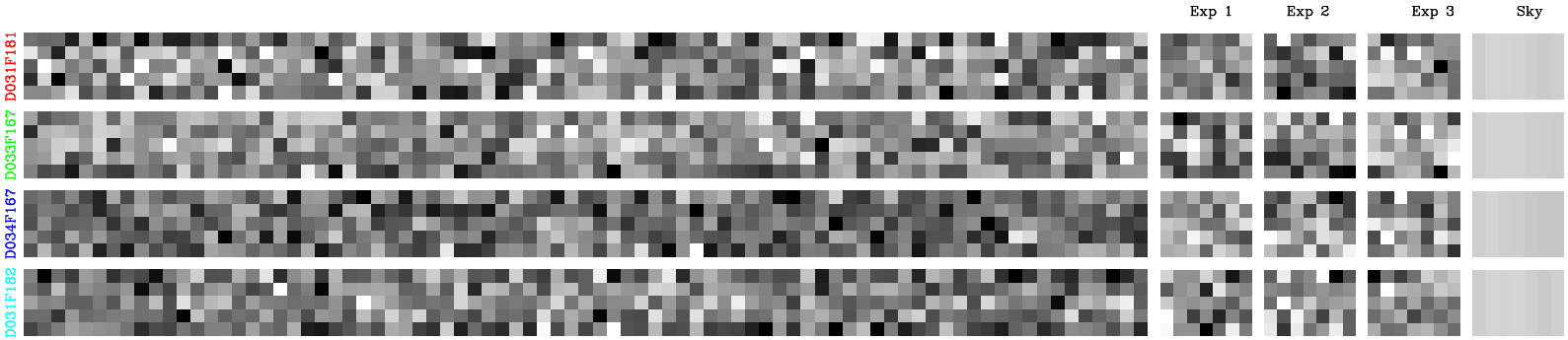
$FWHM_{obs}$ = 12.92Å

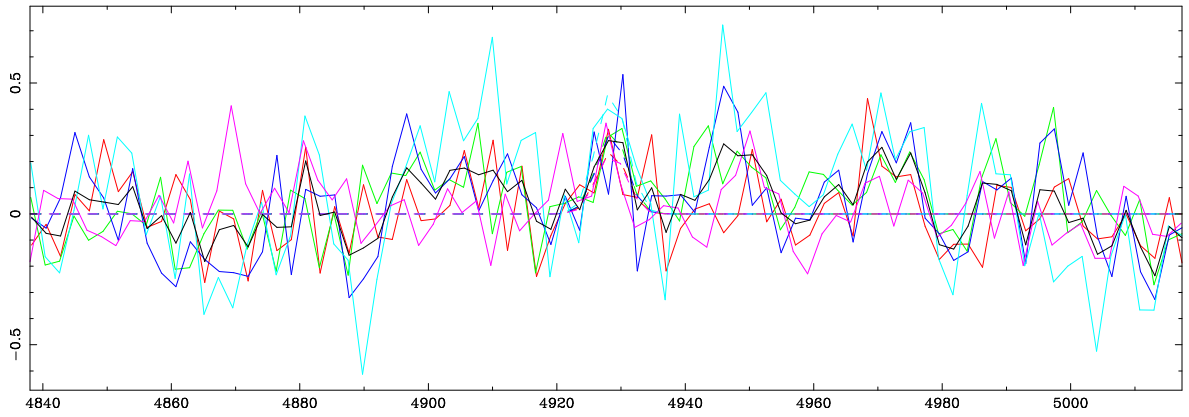
λ_{obs} = 4780.03Å

EW_{obs} > 72.30Å

α_{2000} = 189.0879°

δ_{2000} = 62.2044°





$S/N = 5.89$

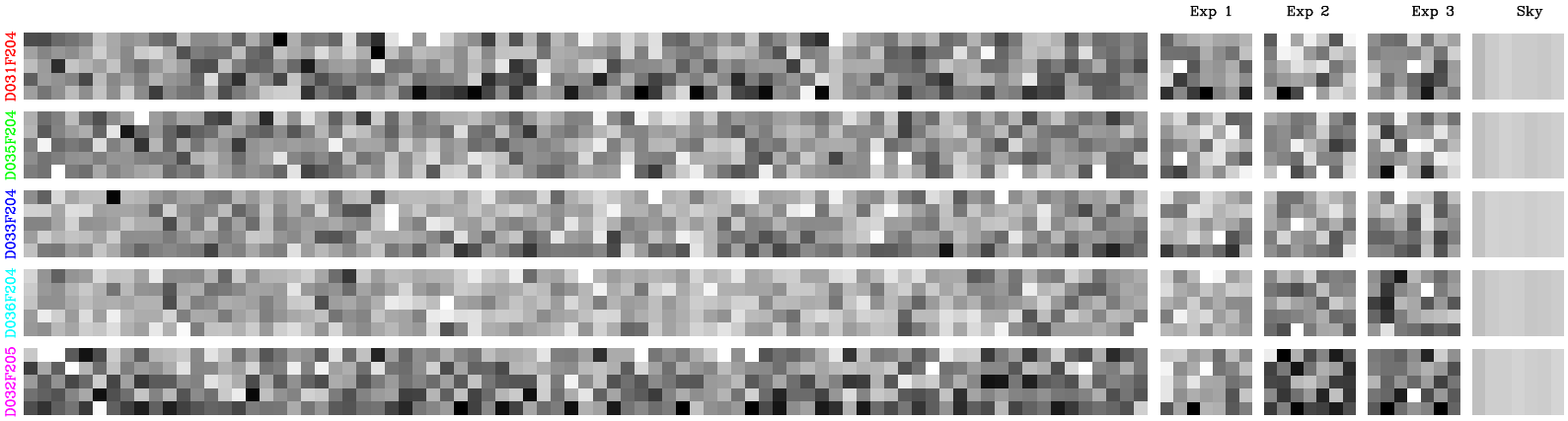
$FWHM_{obs} = 5.45Å$

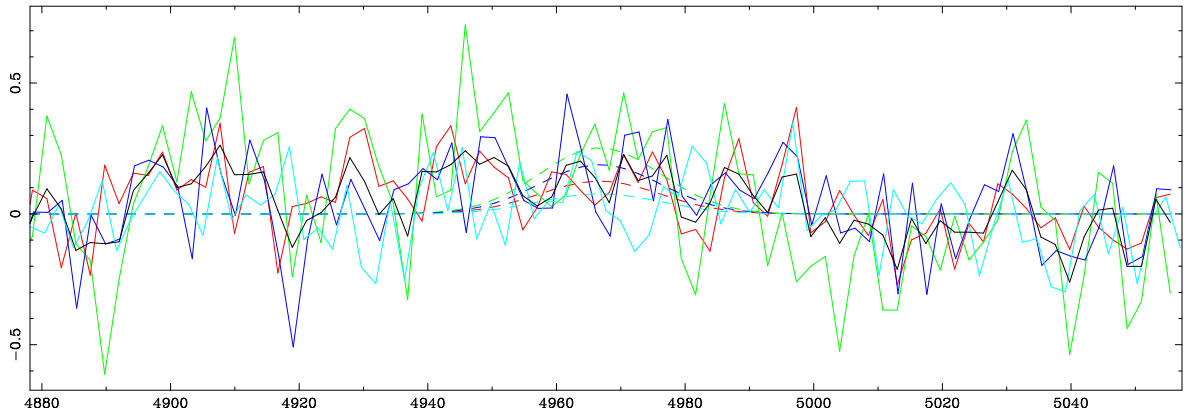
$\lambda_{obs} = 4928.52Å$

$EW_{obs} = 1.48Å$

$\alpha_{2000} = 189.0590°$

$\delta_{2000} = 62.1998°$





S/N = 6.98

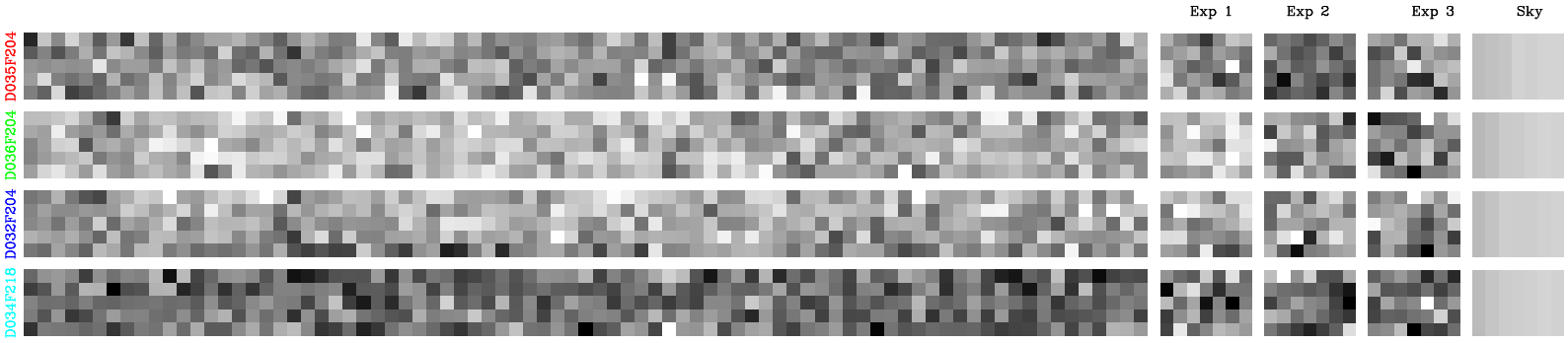
$FWHM_{obs}$ = 22.14Å

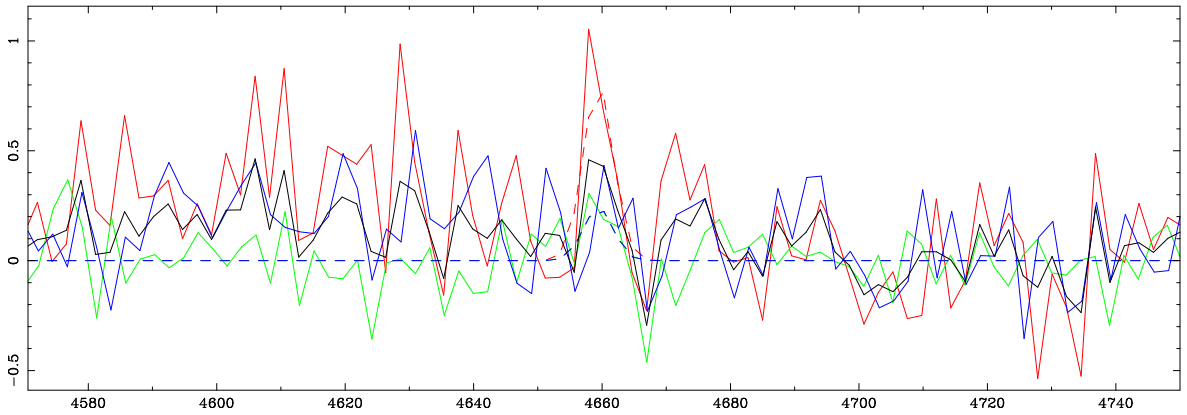
λ_{obs} = 4966.77Å

EW_{obs} = 3.93Å

α_{2000} = 189.0577°

δ_{2000} = 62.1996°





S/N = 5.08

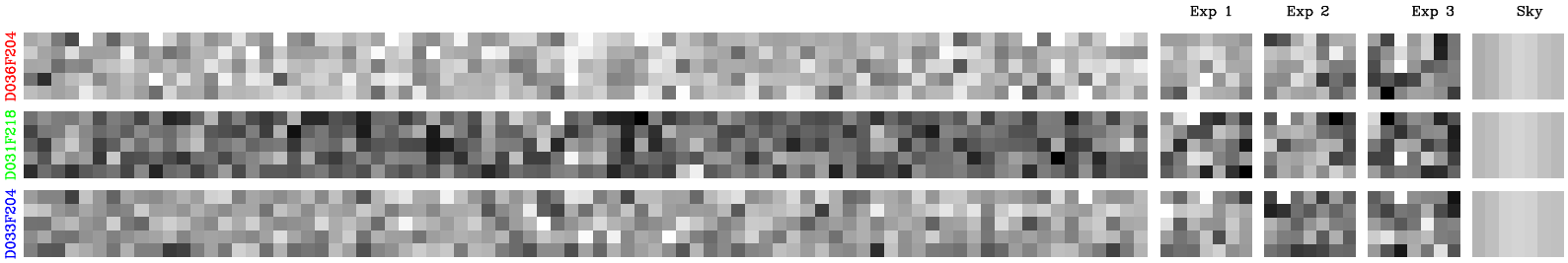
$FWHM_{obs}$ = 5.49Å

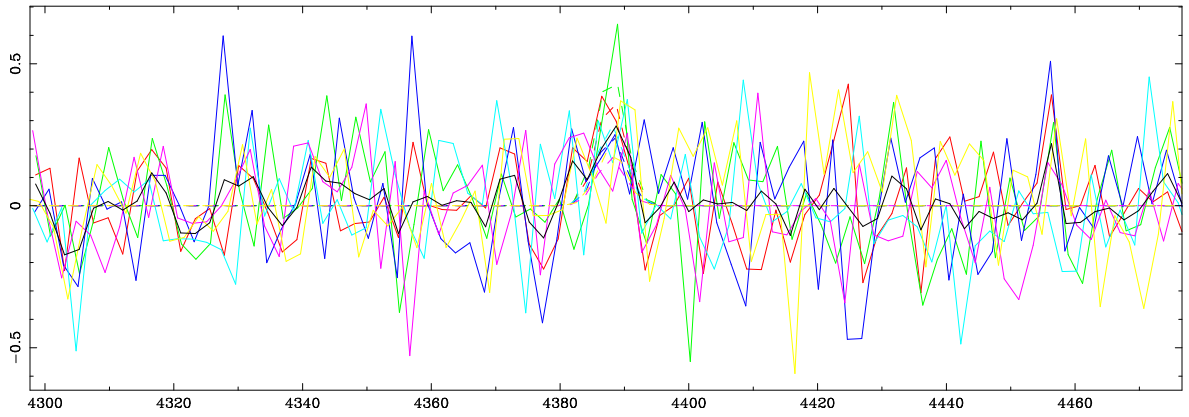
λ_{obs} = 4659.43Å

EW_{obs} = 1.55Å

α_{2000} = 189.0581°

δ_{2000} = 62.1992°





$S/N = 5.43$

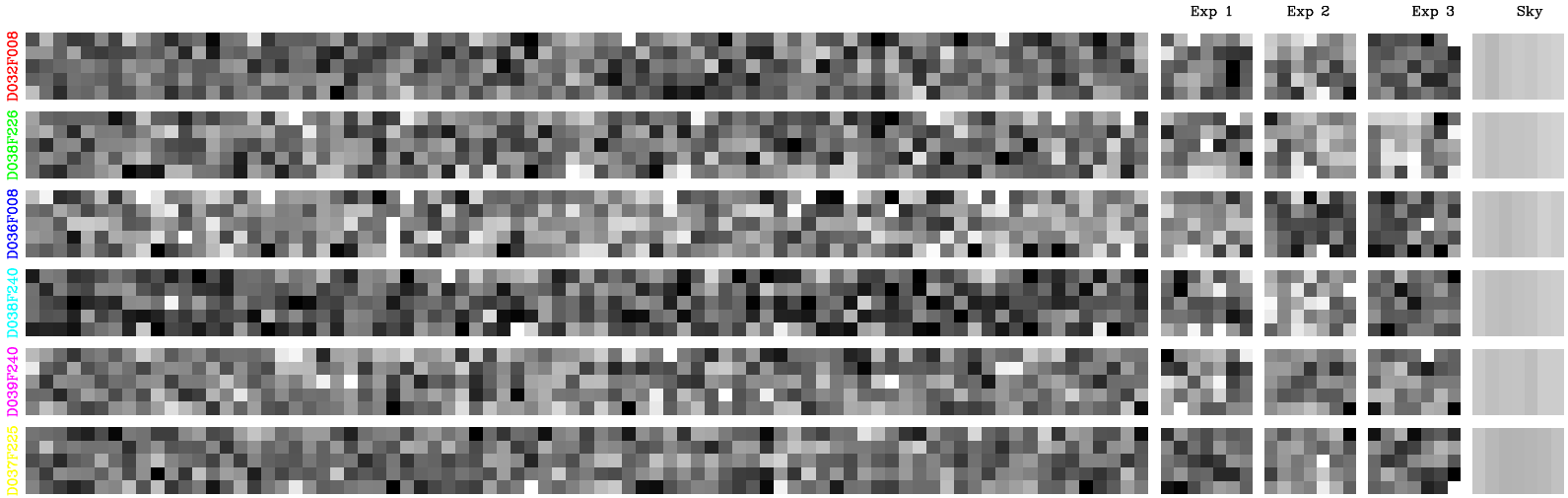
$FWHM_{obs} = 5.20$Å

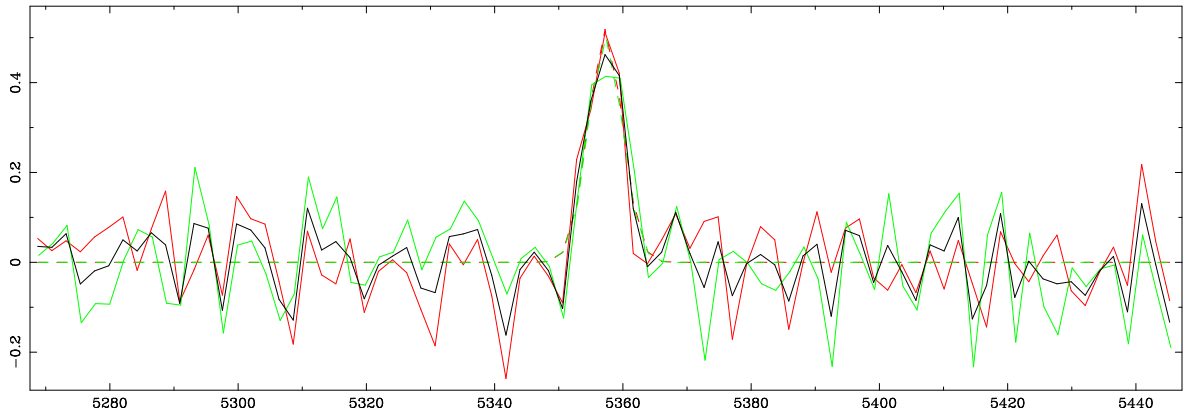
$\lambda_{obs} = 4387.93$Å

$EW_{obs} > 50.12$Å

$\alpha_{2000} = 189.0887°$

$\delta_{2000} = 62.2244°$





S/N = 8.55

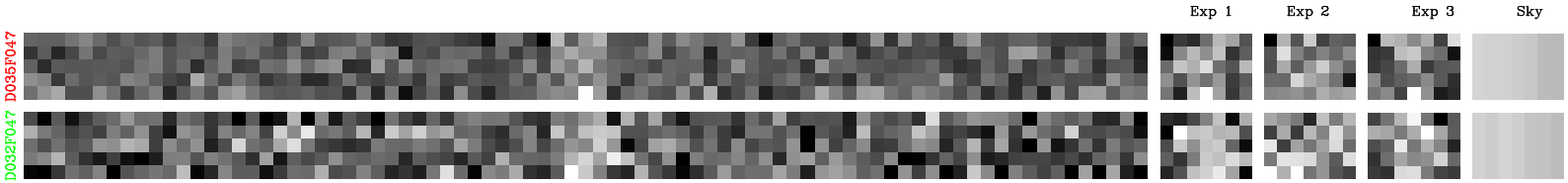
$FWHM_{obs}$ = 6.23Å

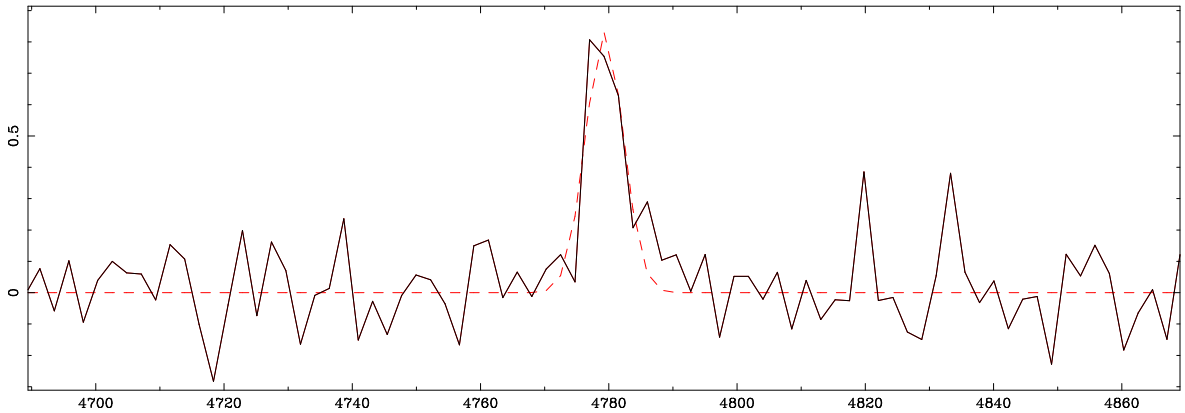
λ_{obs} = 5357.26Å

EW_{obs} > 94.20Å

α_{2000} = 189.0691°

δ_{2000} = 62.2197°





$S/N = 8.97$

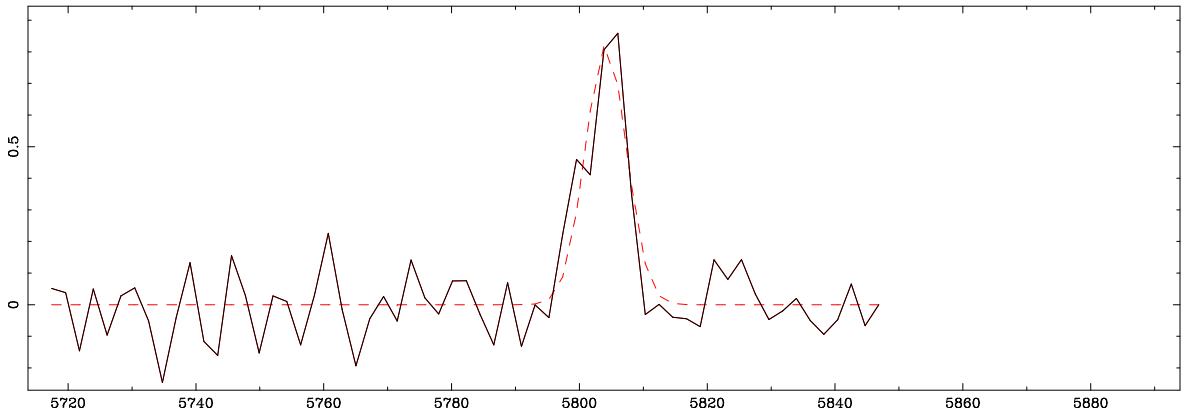
$FWHM_{obs} = 6.90Å$

$\lambda_{obs} = 4779.34Å$

$EW_{obs} > 96.32Å$

$\alpha_{2000} = 189.0731°$

$\delta_{2000} = 62.2194°$



$S/N = 9.81$

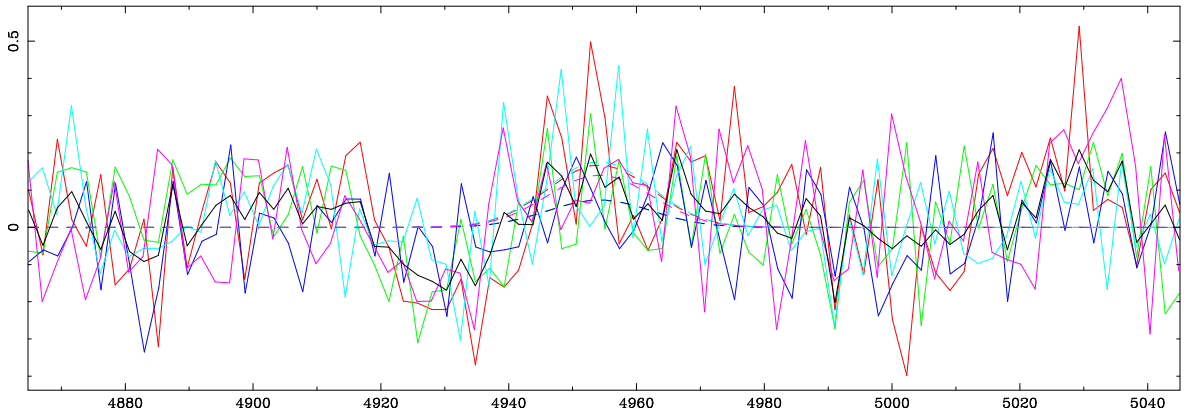
$FWHM_{obs} = 7.53Å$

$\lambda_{obs} = 5804.16Å$

$EW_{obs} = 45.30Å$

$\alpha_{2000} = 189.1109°$

$\delta_{2000} = 62.2144°$



S/N = 5.44

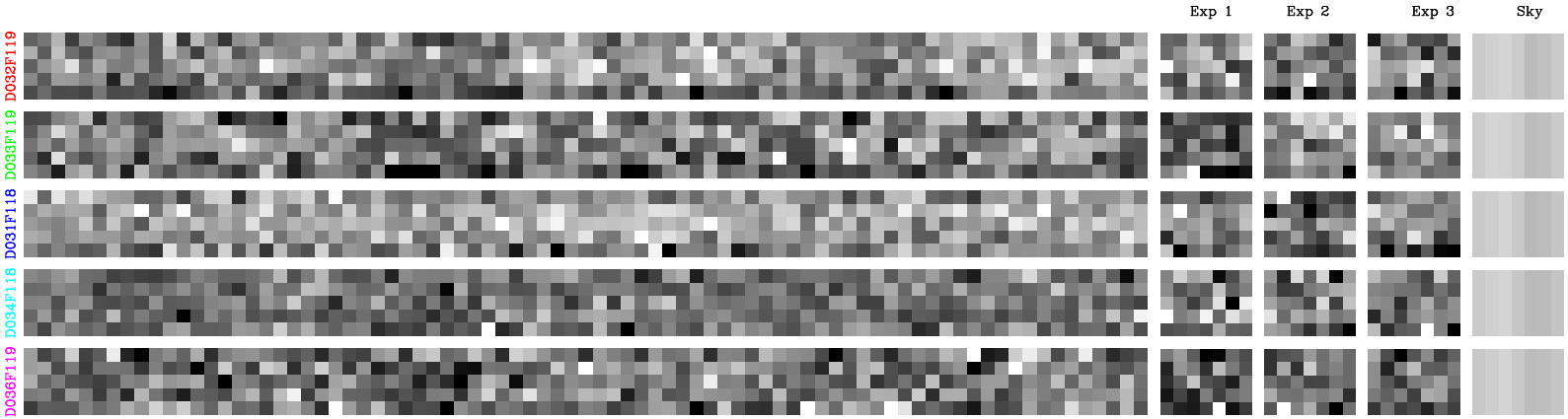
$FWHM_{obs}$ = 19.07Å

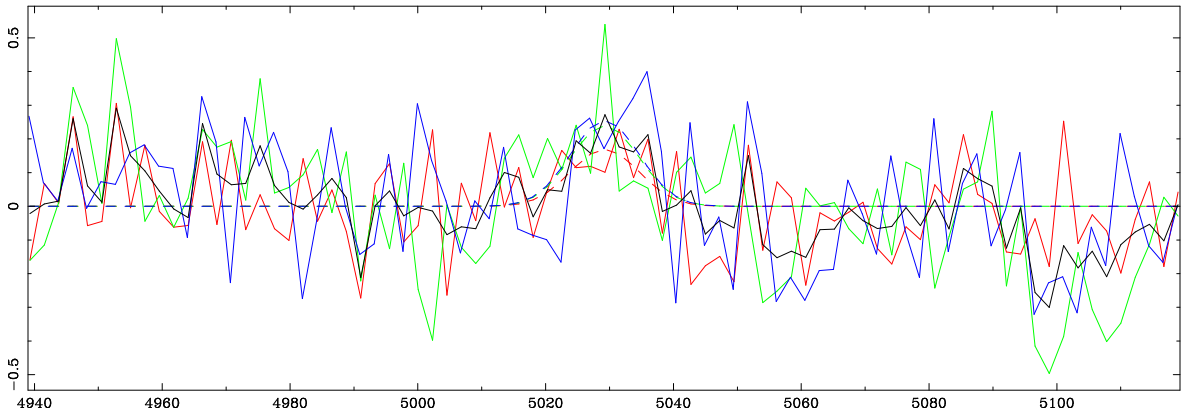
λ_{obs} = 4954.22Å

EW_{obs} = 6.39Å

α_{2000} = 189.0661°

δ_{2000} = 62.2104°





S/N = 5.26

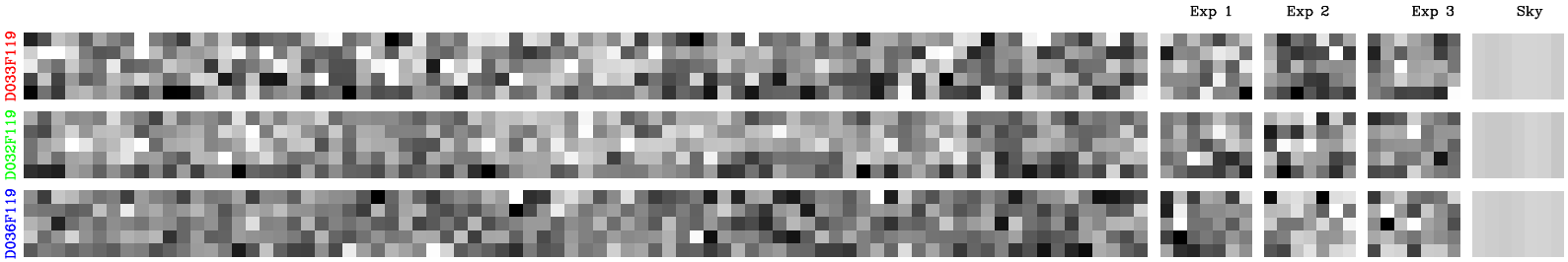
$FWHM_{obs}$ = 12.62Å

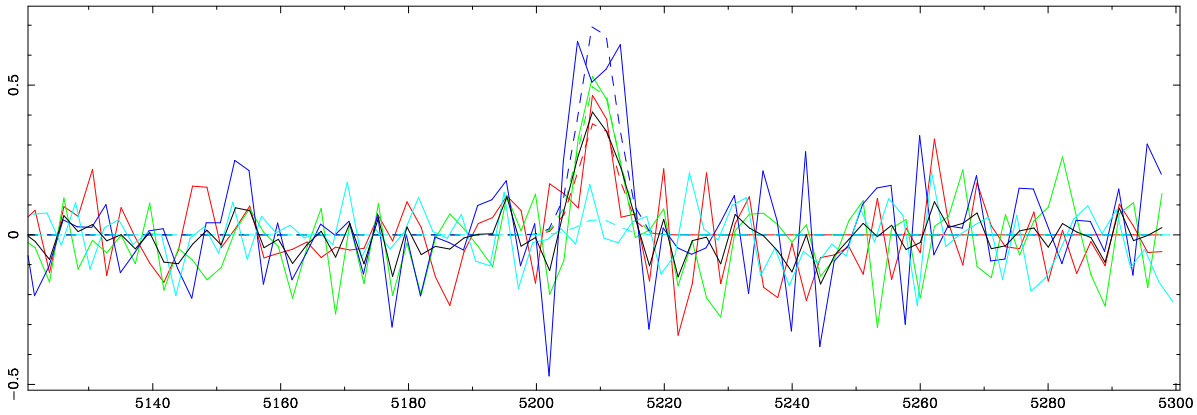
λ_{obs} = 5029.26Å

EW_{obs} = 5.35Å

α_{2000} = 189.0671°

δ_{2000} = 62.2102°





S/N = 7.69

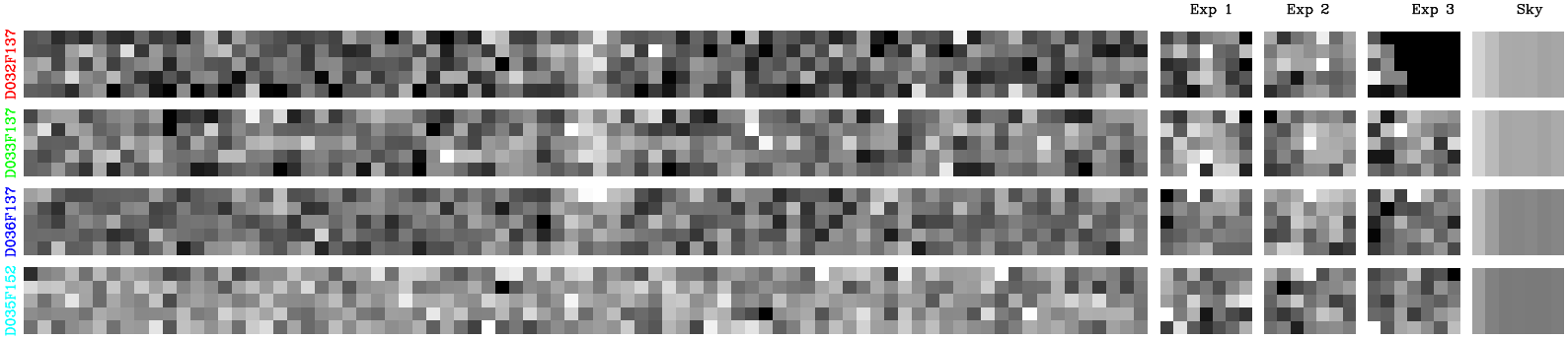
$FWHM_{obs}$ = 6.70Å

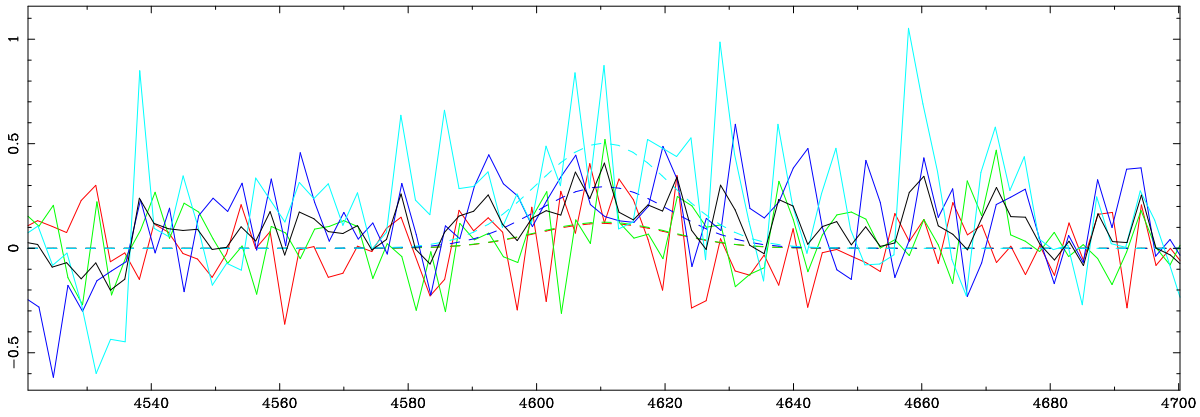
λ_{obs} = 5209.63Å

EW_{obs} > 87.13Å

α_{2000} = 189.0826°

δ_{2000} = 62.2082°





S/N = 9.53

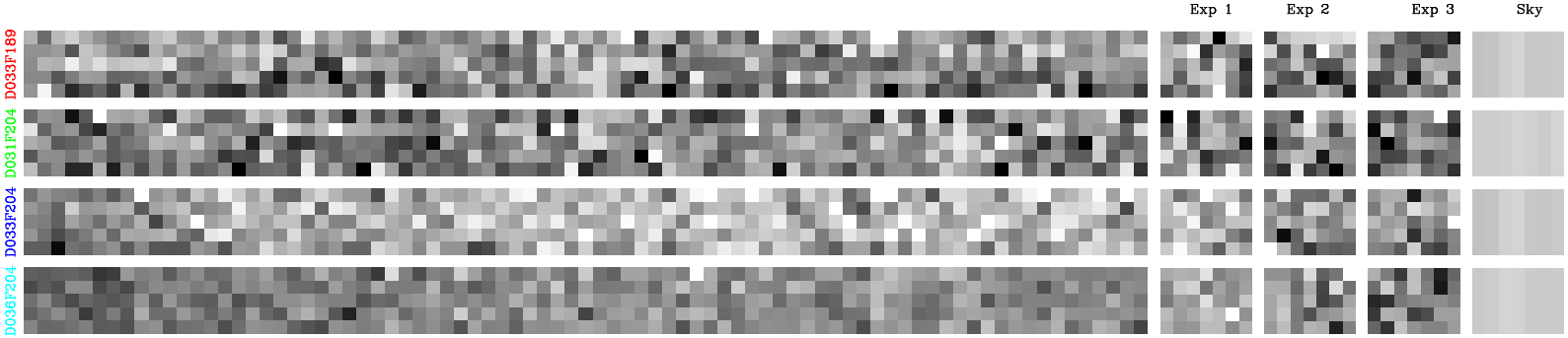
$FWHM_{obs}$ = 24.66Å

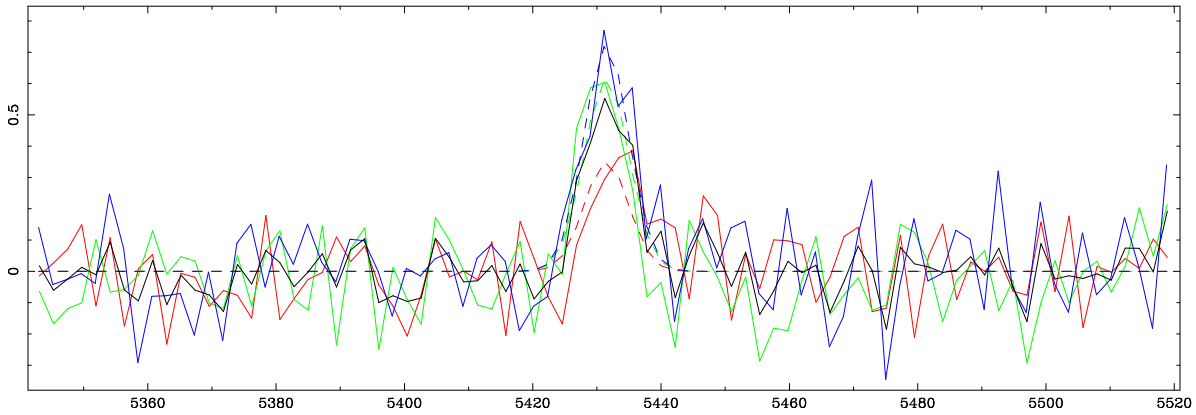
λ_{obs} = 4610.49Å

EW_{obs} = 6.06Å

α_{2000} = 189.0585°

δ_{2000} = 62.1997°





S/N = 10.40

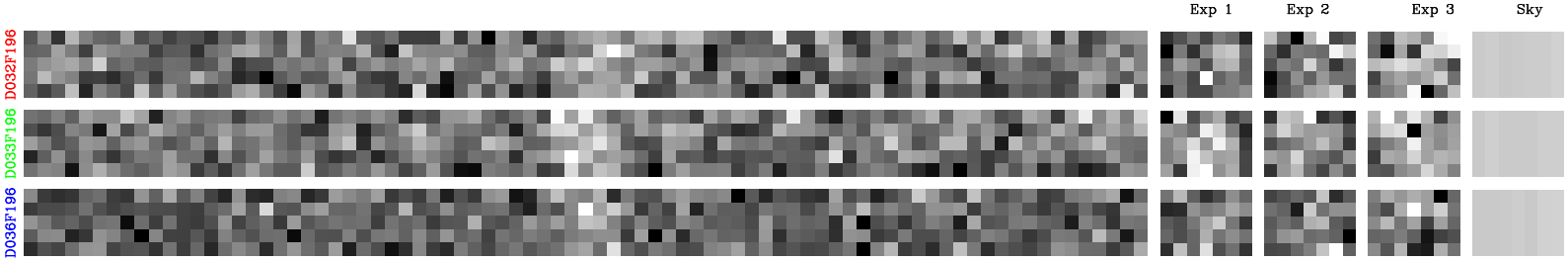
$FWHM_{obs}$ = 8.19Å

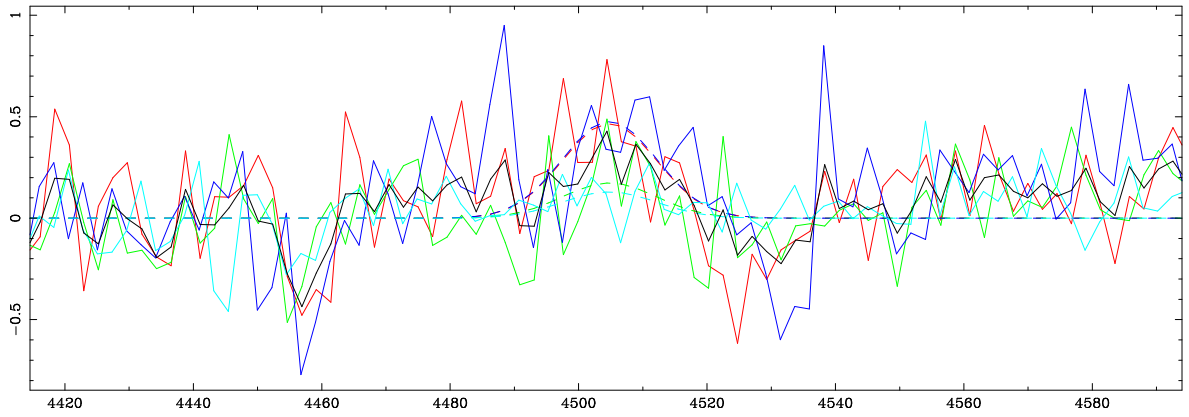
λ_{obs} = 5431.49Å

EW_{obs} = 54.16Å

α_{2000} = 189.0868°

δ_{2000} = 62.2011°





S/N = 7.39

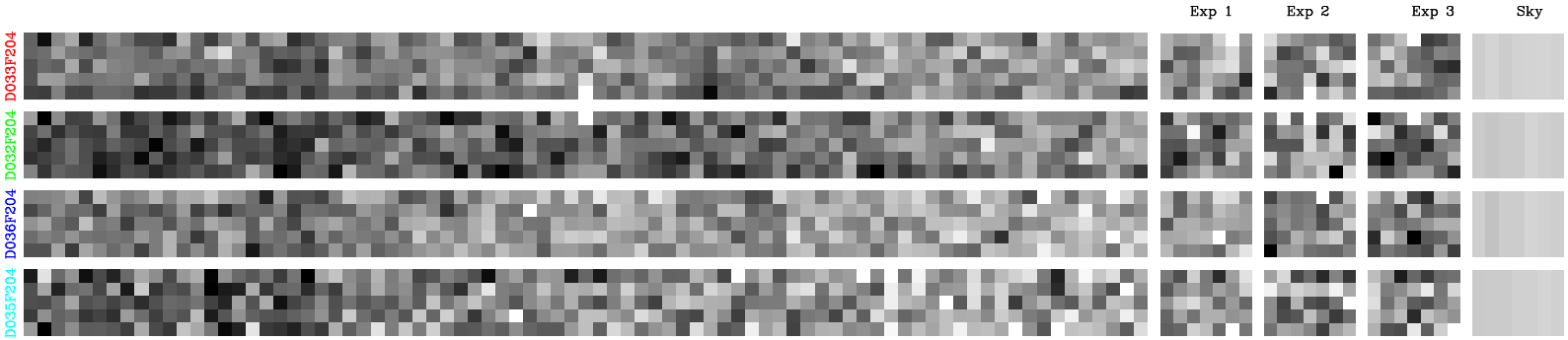
$FWHM_{obs}$ = 17.33Å

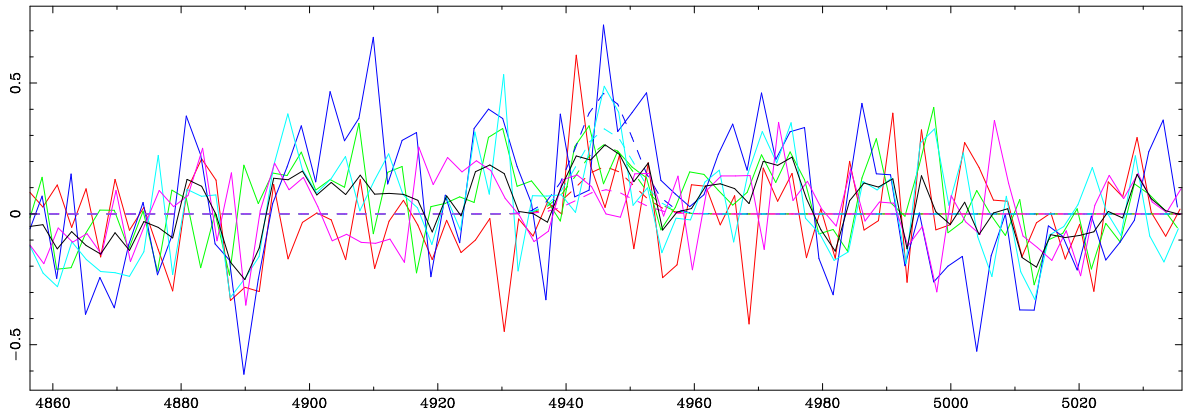
λ_{obs} = 4504.82Å

EW_{obs} = 3.68Å

α_{2000} = 189.0584°

δ_{2000} = 62.1995°





$S/N = 6.96$

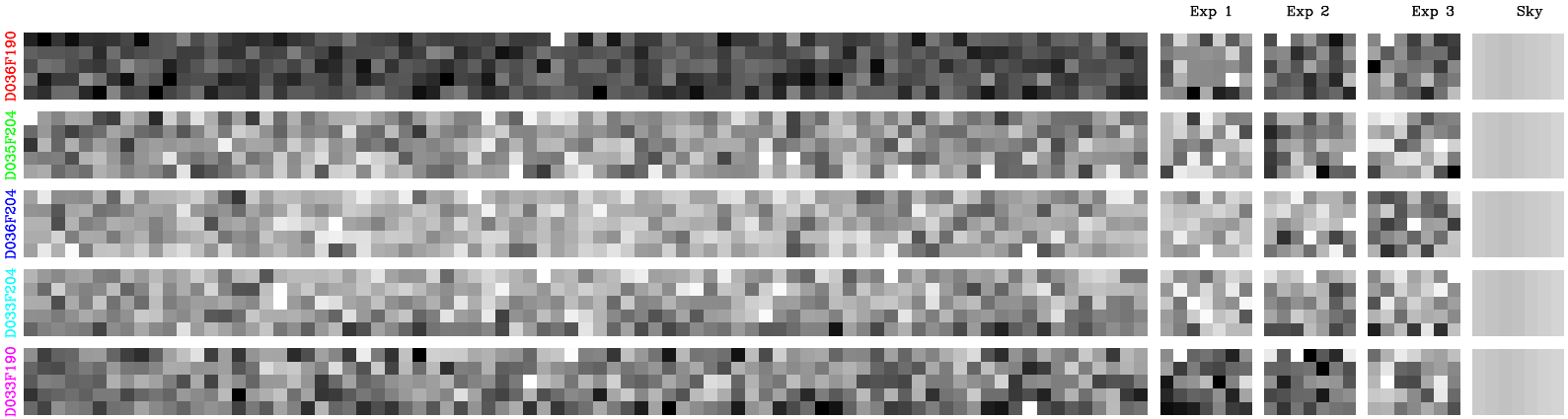
$FWHM_{obs} = 10.13Å$

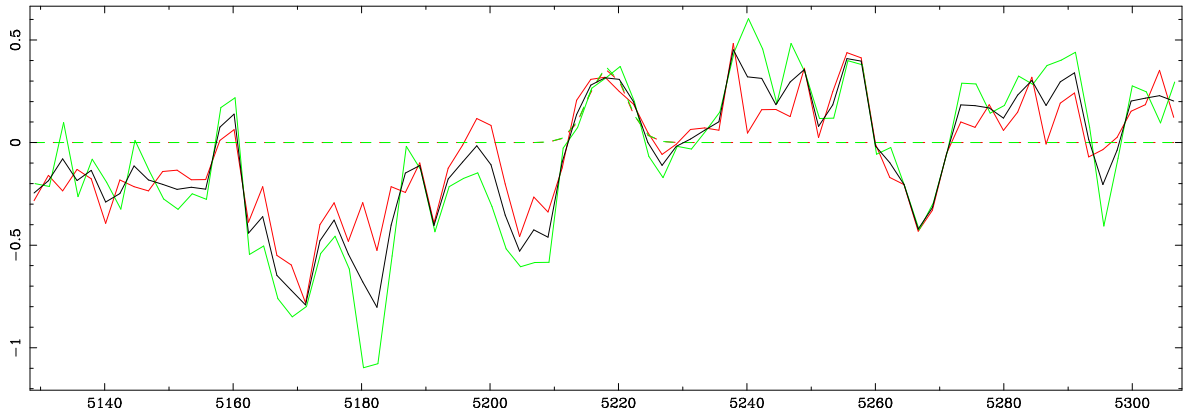
$\lambda_{obs} = 4946.18Å$

$EW_{obs} = 2.73Å$

$\alpha_{2000} = 189.0589°$

$\delta_{2000} = 62.1999°$





S/N = 5.63

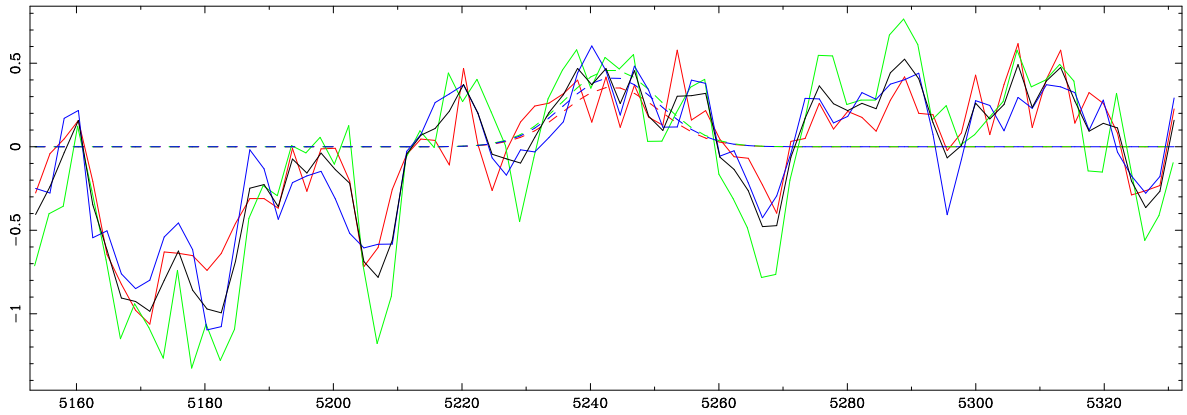
$FWHM_{obs}$ = 6.88Å

λ_{obs} = 5218.28Å

EW_{obs} = 1.86Å

α_{2000} = 189.0576°

δ_{2000} = 62.2002°



S/N = 9.37

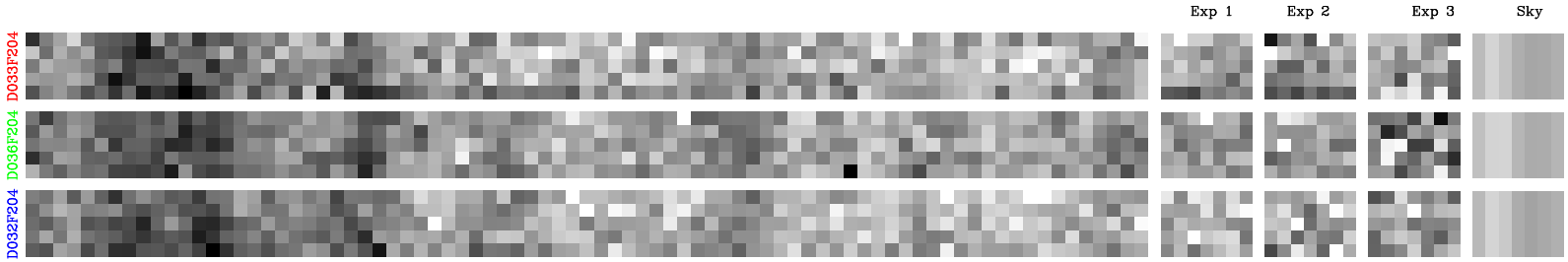
$FWHM_{obs}$ = 17.44Å

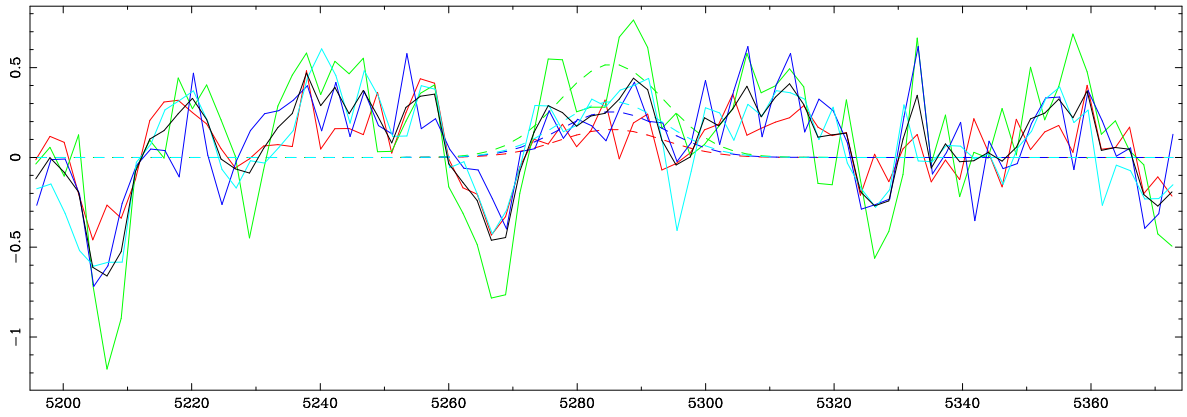
λ_{obs} = 5243.38Å

EW_{obs} = 3.90Å

α_{2000} = 189.0582°

δ_{2000} = 62.1995°





S/N = 8.92

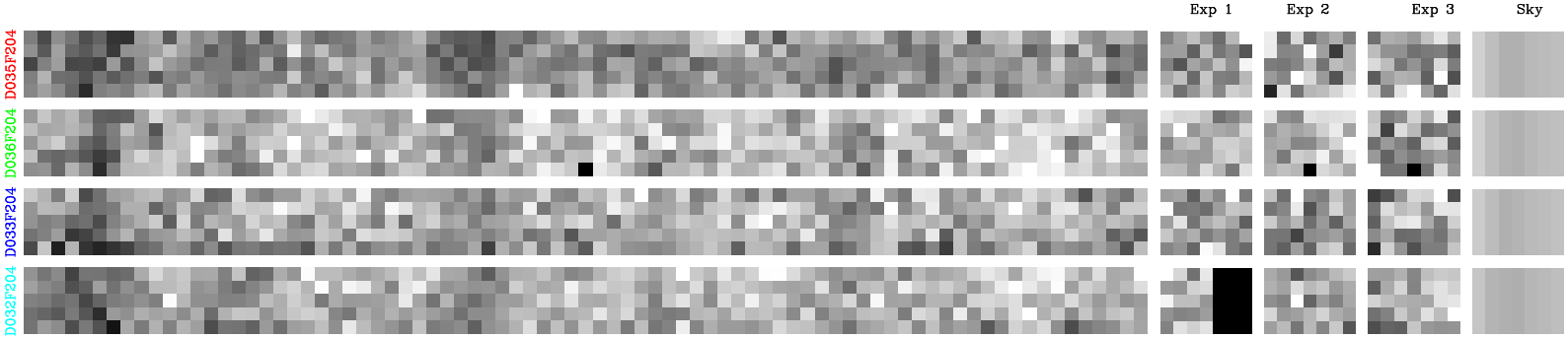
$FWHM_{obs}$ = 19.28Å

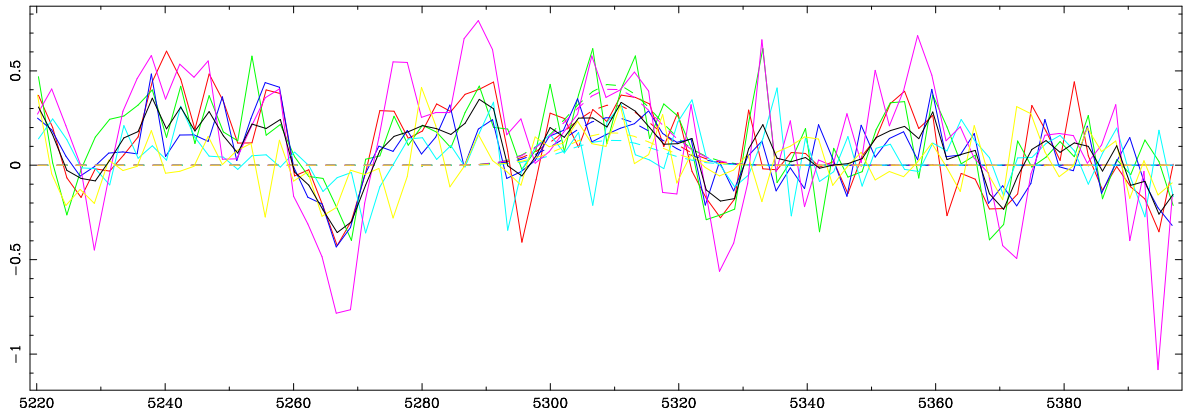
λ_{obs} = 5285.44Å

EW_{obs} = 3.02Å

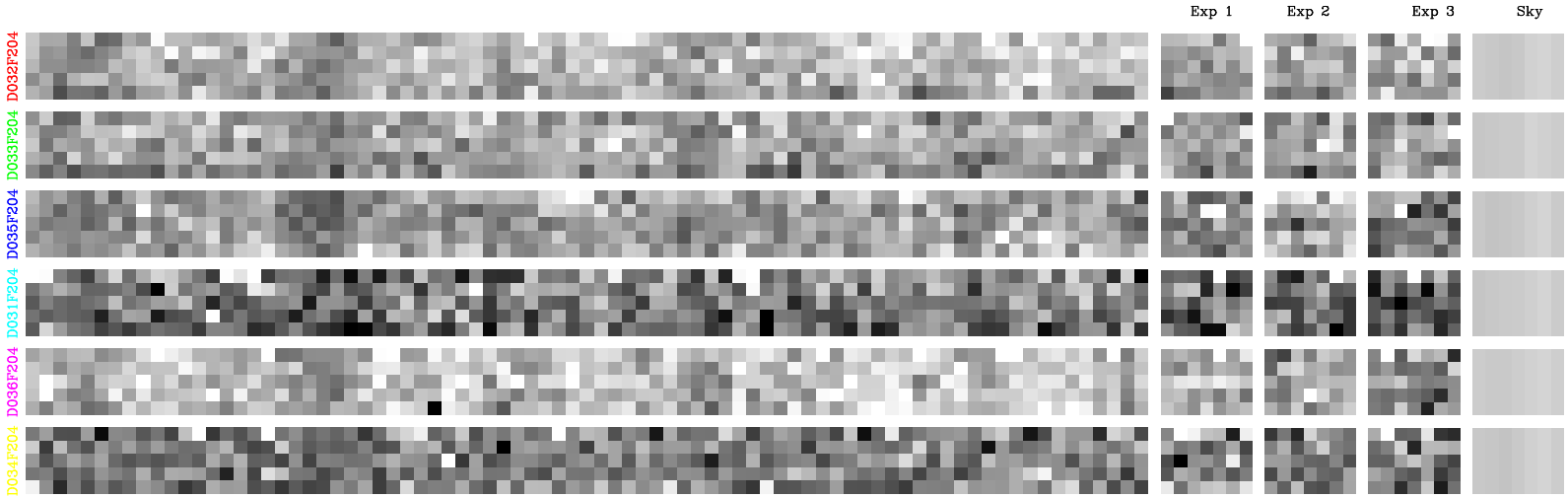
α_{2000} = 189.0581°

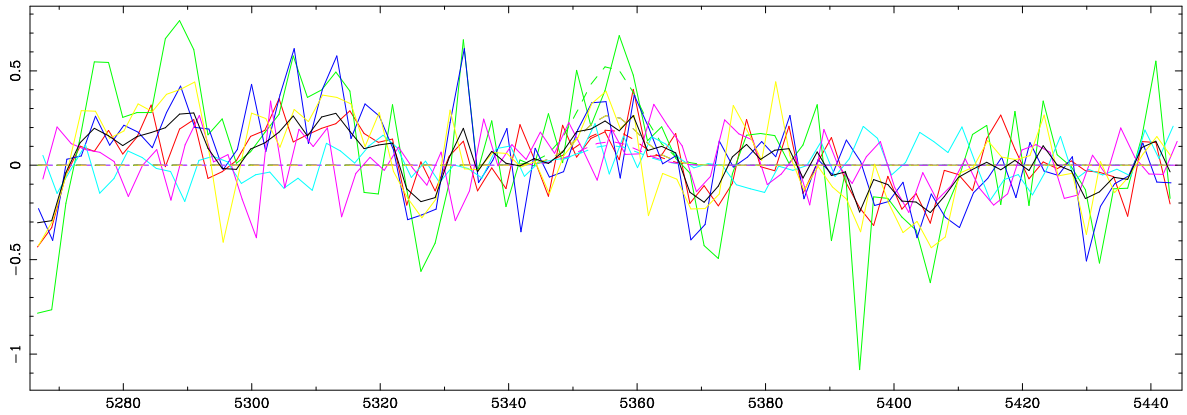
δ_{2000} = 62.1996°





S/N = 10.34
$FWHM_{obs}$ = 16.31Å
λ_{obs} = 5309.62Å
EW_{obs} = 3.16Å
α_{2000} = 189.0585°
δ_{2000} = 62.1998°





S/N = 7.33

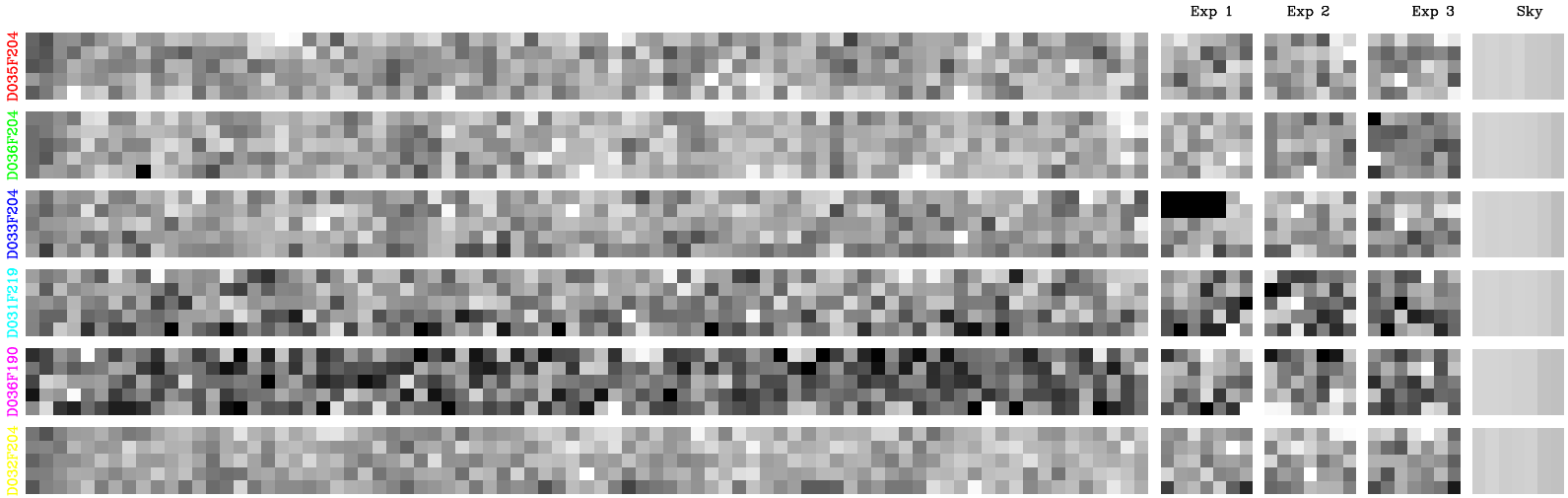
$FWHM_{obs}$ = 10.83Å

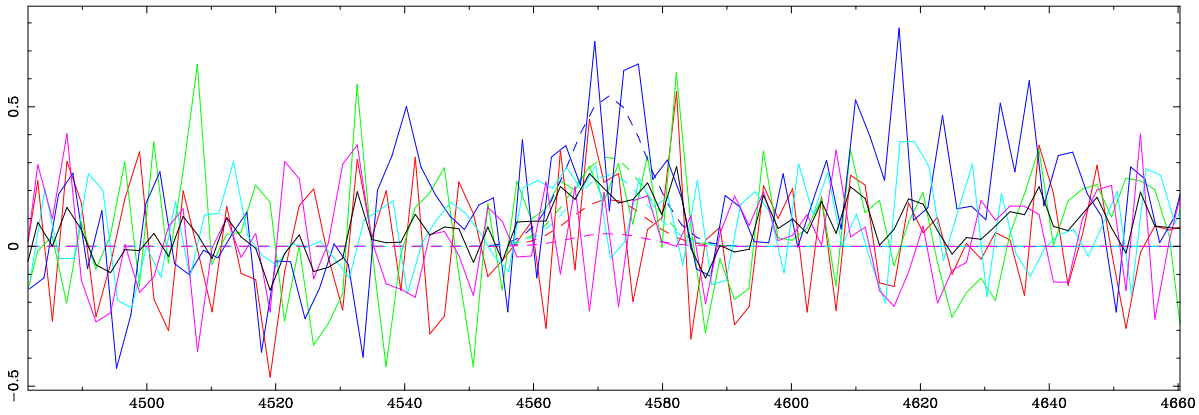
λ_{obs} = 5355.76Å

EW_{obs} = 2.16Å

α_{2000} = 189.0585°

δ_{2000} = 62.1997°





S/N = 6.94

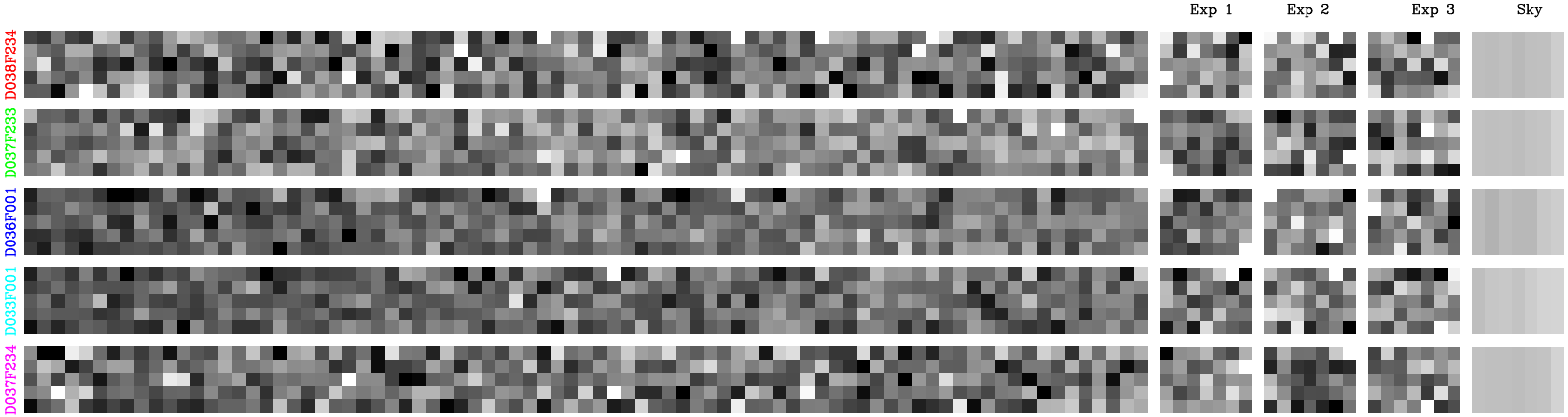
$FWHM_{obs}$ = 13.56Å

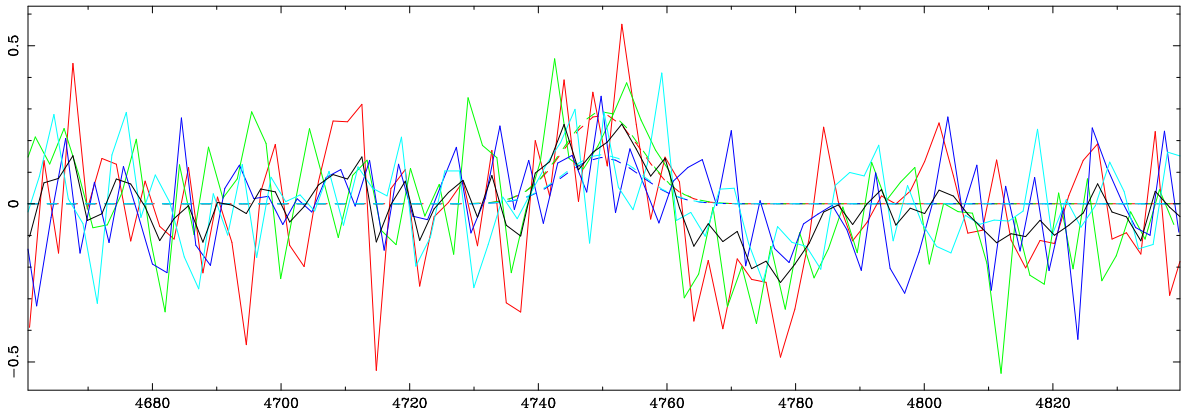
λ_{obs} = 4571.64Å

EW_{obs} = 8.47Å

α_{2000} = 189.0594°

δ_{2000} = 62.2241°





S/N = 6.15

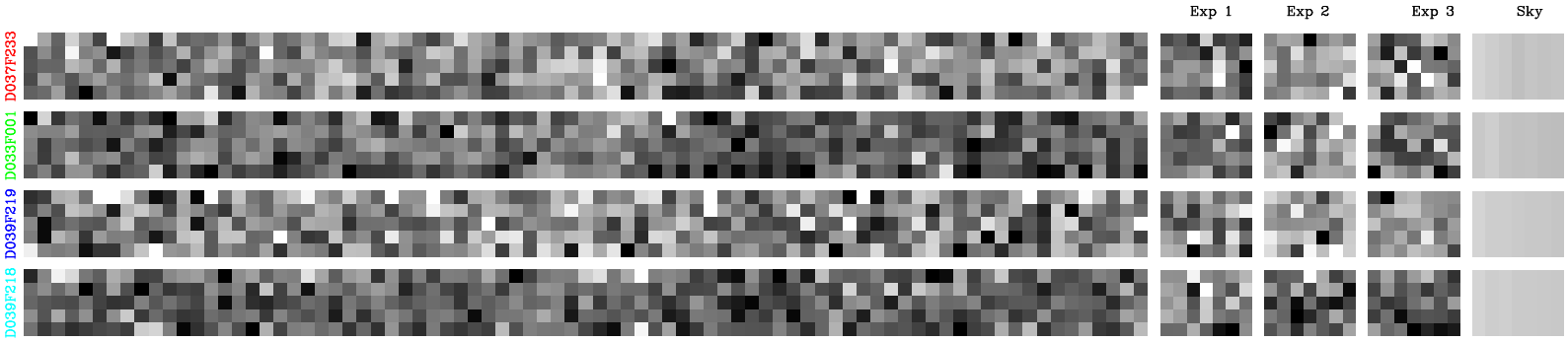
$FWHM_{obs}$ = 14.01Å

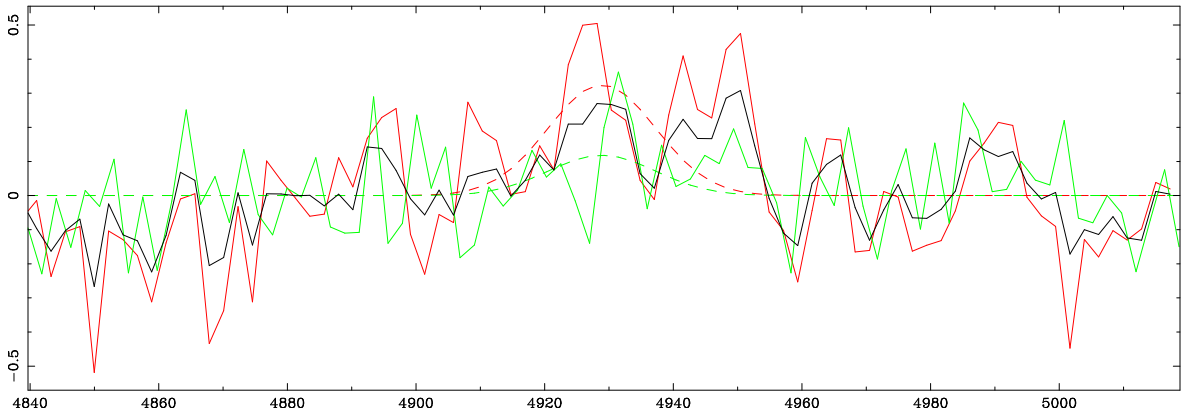
λ_{obs} = 4749.93Å

EW_{obs} = 8.99Å

α_{2000} = 189.0593°

δ_{2000} = 62.2243°





S/N = 6.12

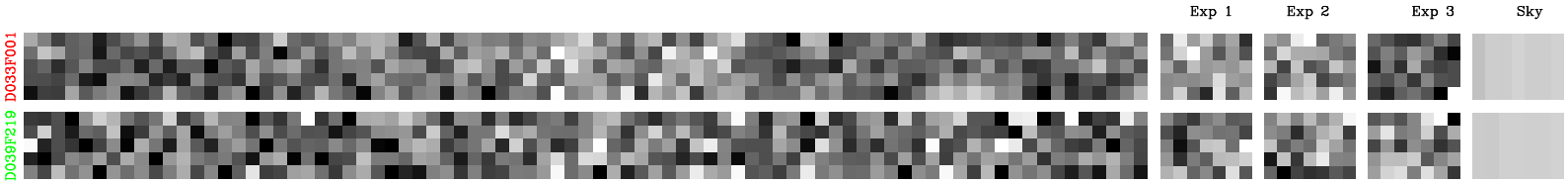
$FWHM_{obs}$ = 19.72Å

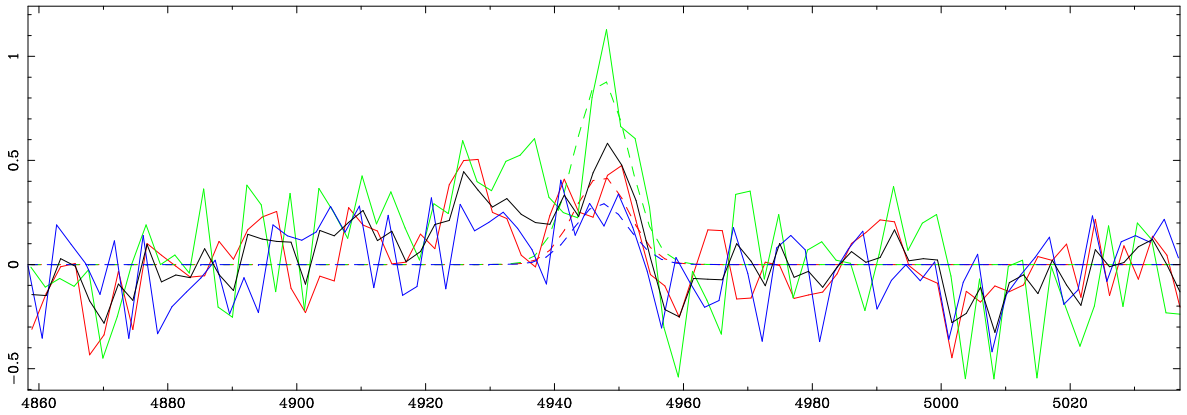
λ_{obs} = 4928.89Å

EW_{obs} = 10.73Å

α_{2000} = 189.0604°

δ_{2000} = 62.2243°





$S/N = 8.94$

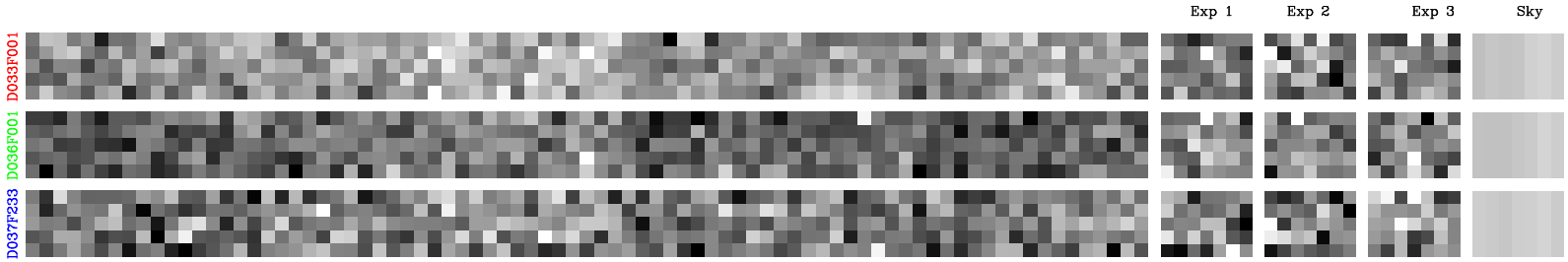
$FWHM_{obs} = 9.87Å$

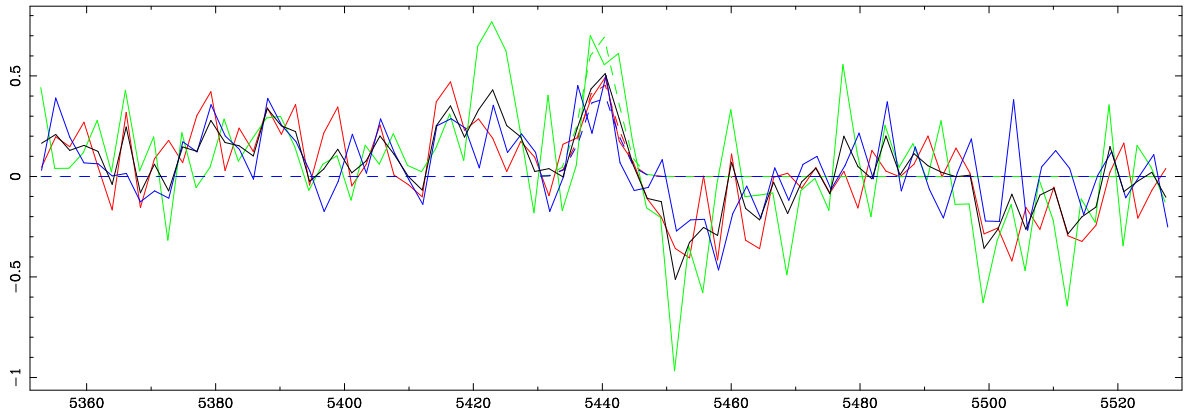
$\lambda_{obs} = 4947.28Å$

$EW_{obs} = 6.38Å$

$\alpha_{2000} = 189.0590°$

$\delta_{2000} = 62.2242°$





S/N = 7.27

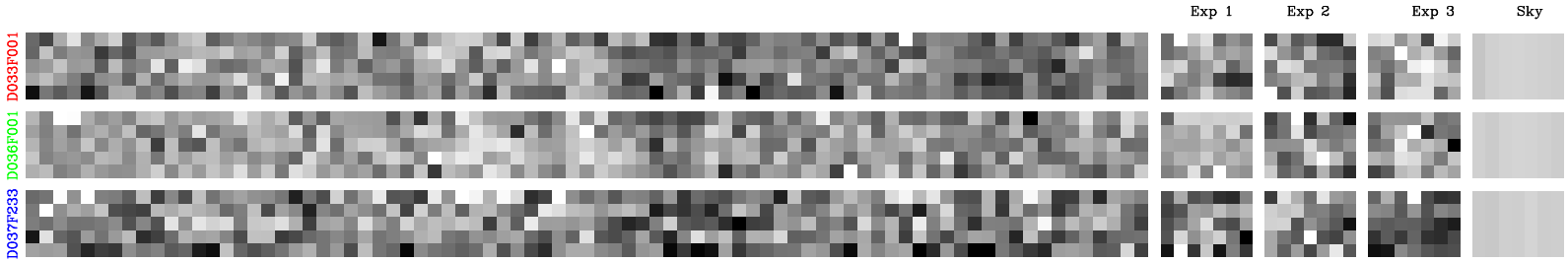
$FWHM_{obs}$ = 5.89Å

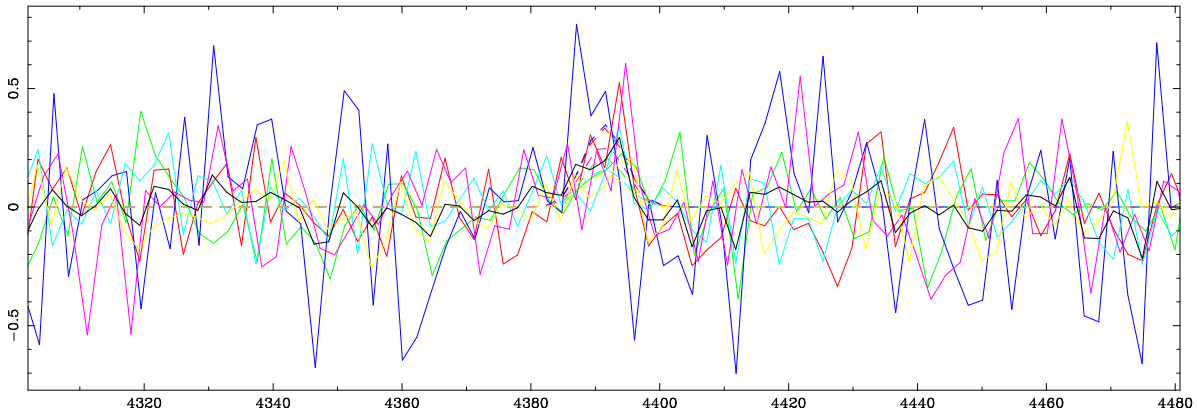
λ_{obs} = 5439.64Å

EW_{obs} = 2.24Å

α_{2000} = 189.0591°

δ_{2000} = 62.2242°





S/N = 5.17

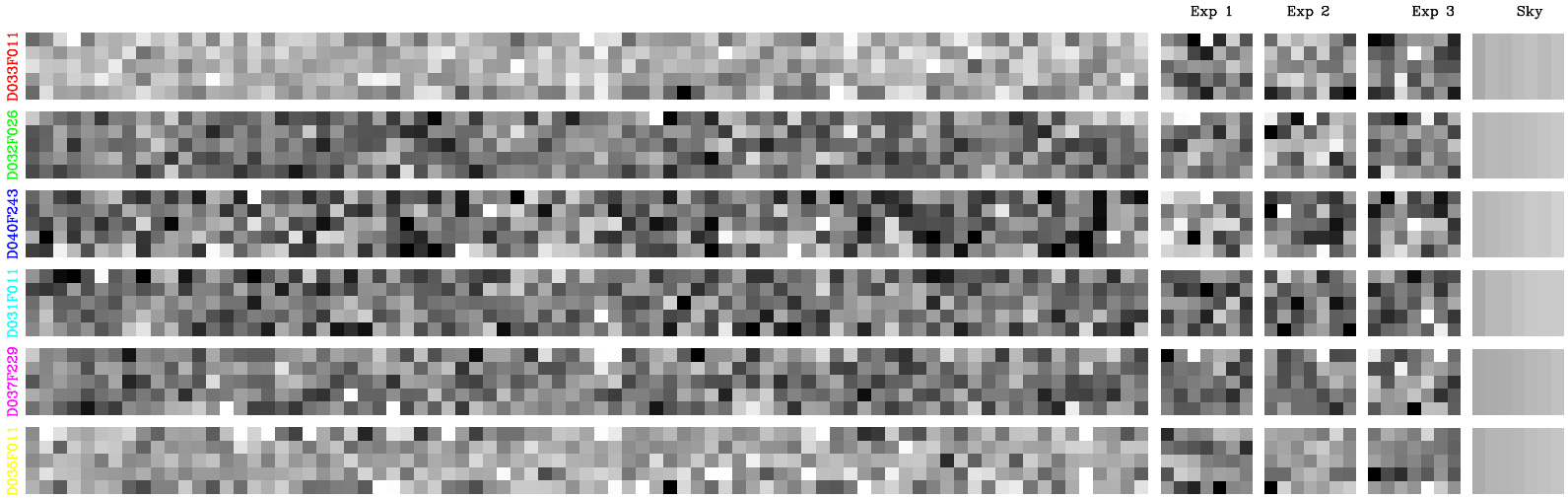
$FWHM_{obs}$ = 7.55Å

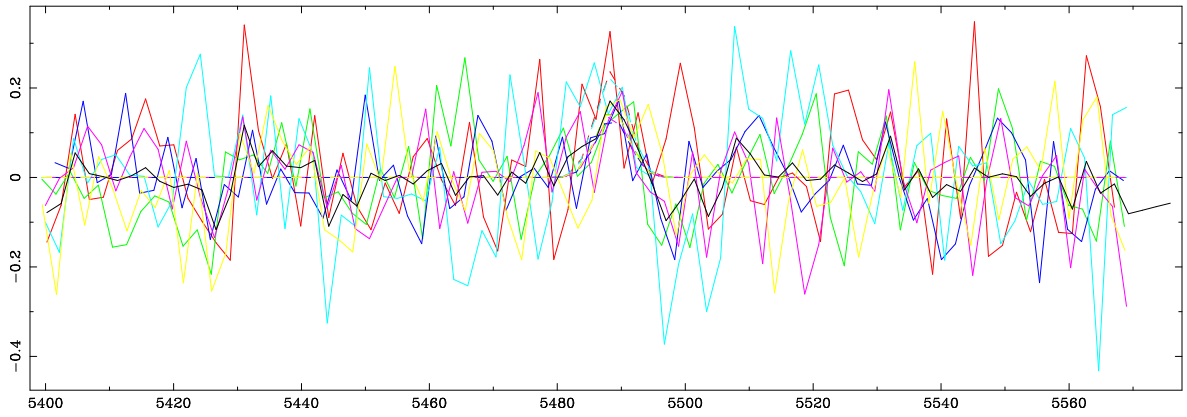
λ_{obs} = 4391.41Å

EW_{obs} > 52.37Å

α_{2000} = 189.1038°

δ_{2000} = 62.2241°





$S/N = 5.19$

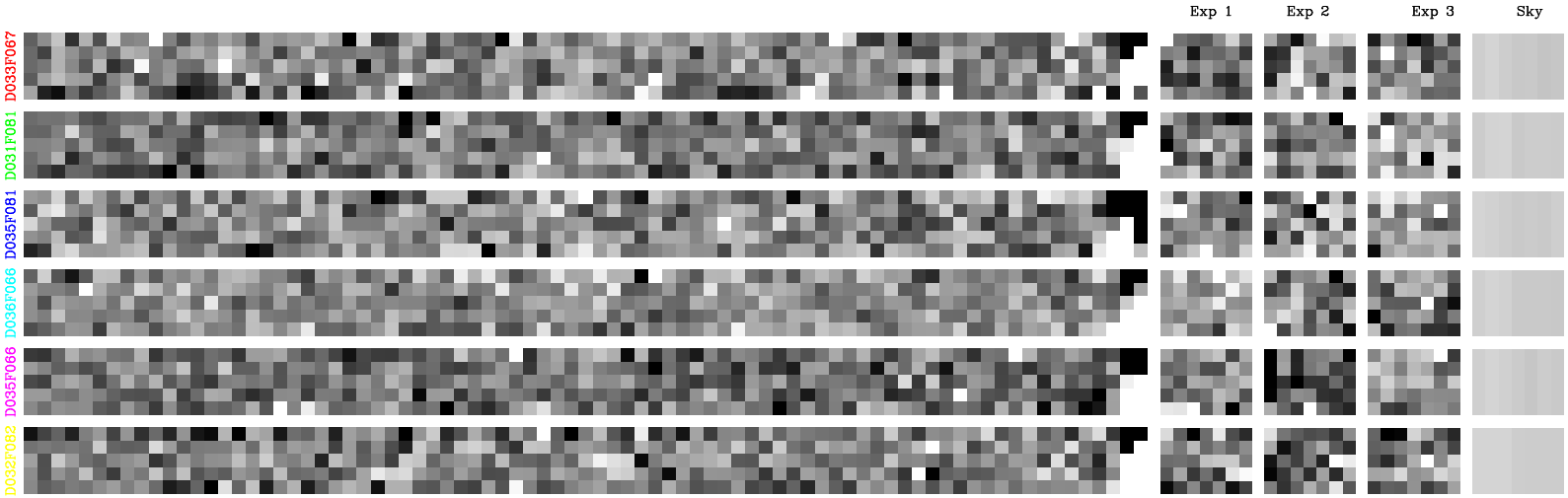
$FWHM_{obs} = 6.02Å$

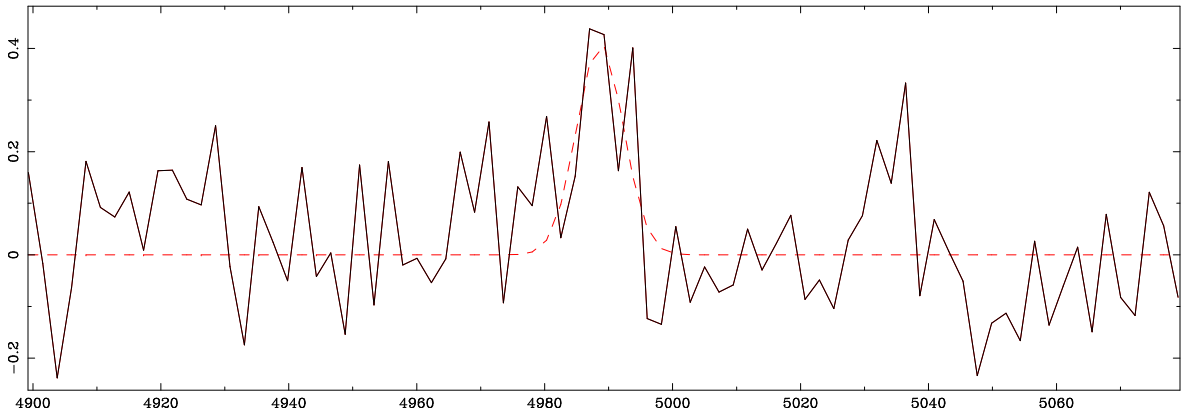
$\lambda_{obs} = 5488.58Å$

$EW_{obs} = 34.67Å$

$\alpha_{2000} = 189.0921°$

$\delta_{2000} = 62.2168°$





S/N = 5.75

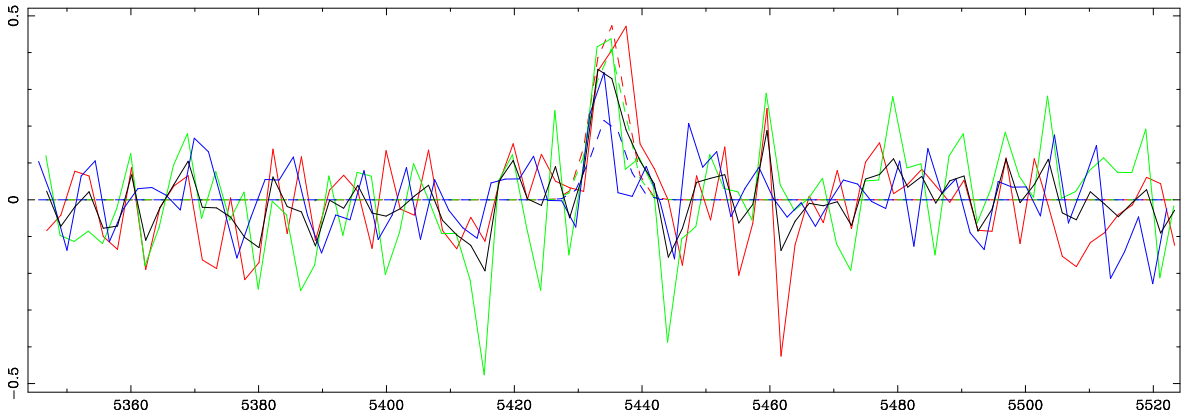
$FWHM_{obs}$ = 8.52Å

λ_{obs} = 4988.66Å

EW_{obs} = 51.21Å

α_{2000} = 189.0840°

δ_{2000} = 62.2152°



$S/N = 6.96$

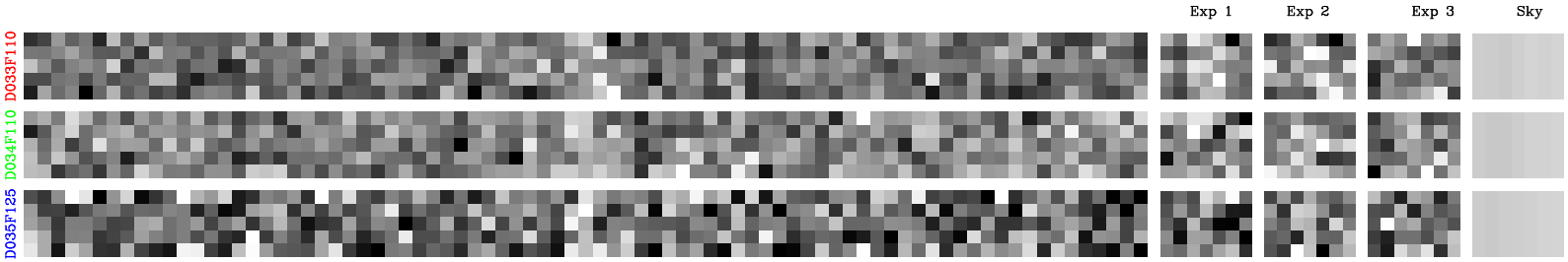
$FWHM_{obs} = 5.82Å$

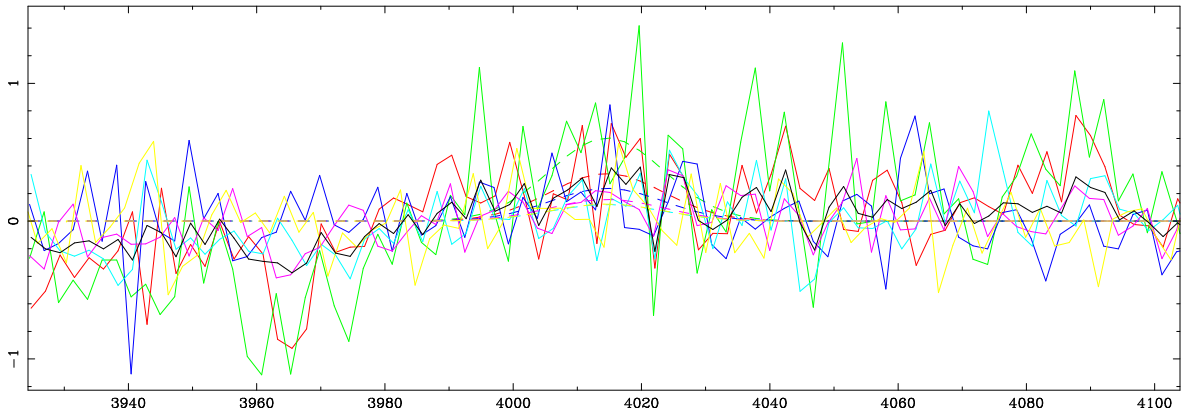
$\lambda_{obs} = 5434.74Å$

$EW_{obs} = 40.54Å$

$\alpha_{2000} = 189.0930°$

$\delta_{2000} = 62.2117°$





$S/N = 6.36$

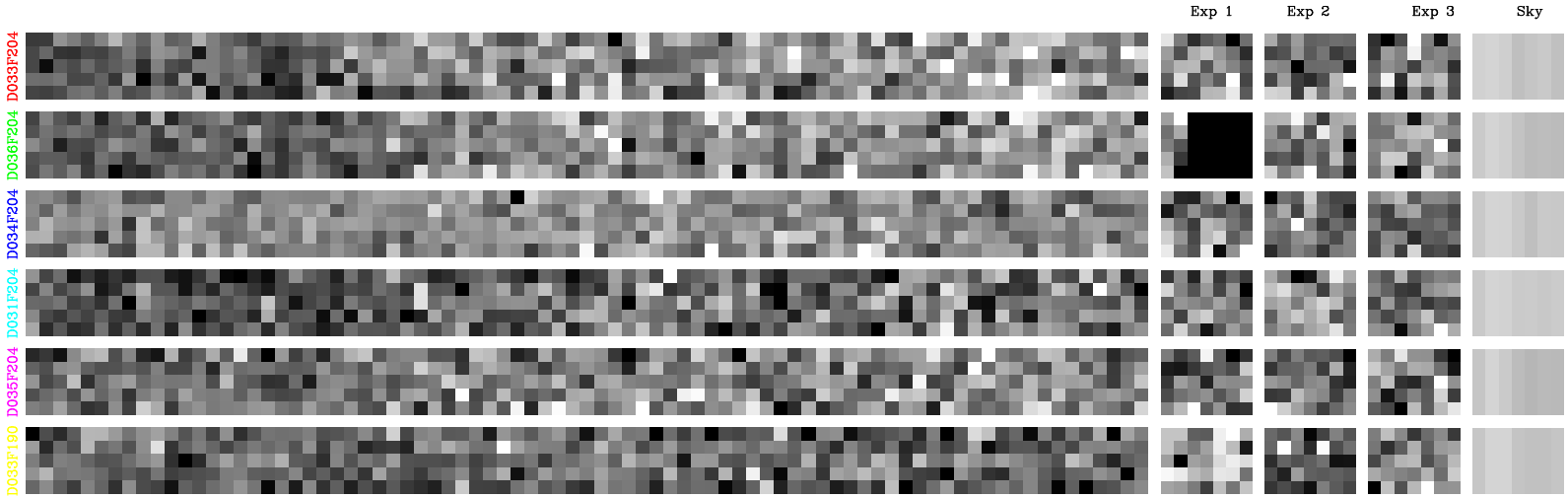
$FWHM_{obs} = 20.87Å$

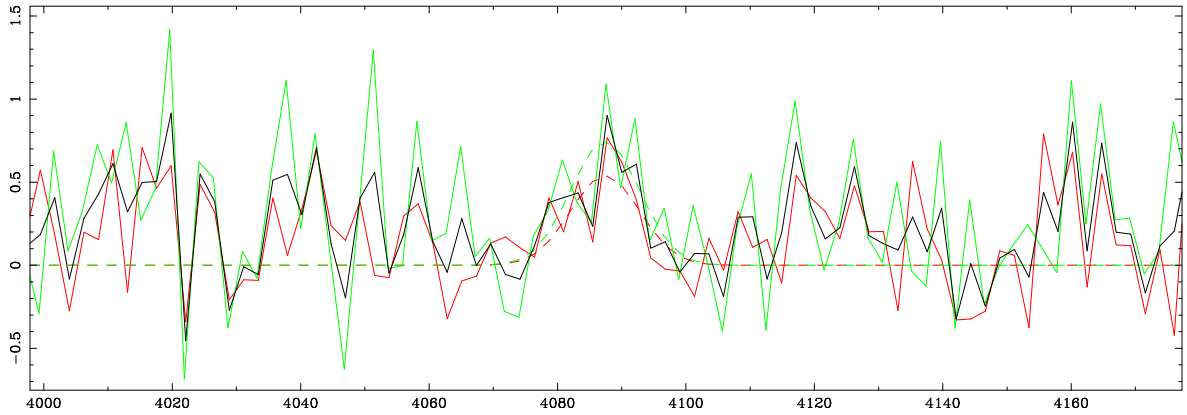
$\lambda_{obs} = 4014.61Å$

$EW_{obs} = 14.24Å$

$\alpha_{2000} = 189.0590°$

$\delta_{2000} = 62.1998°$





S/N = 5.92

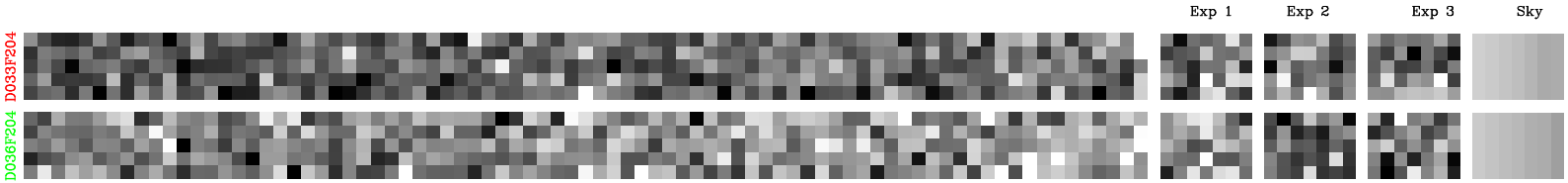
$FWHM_{obs}$ = 12.71Å

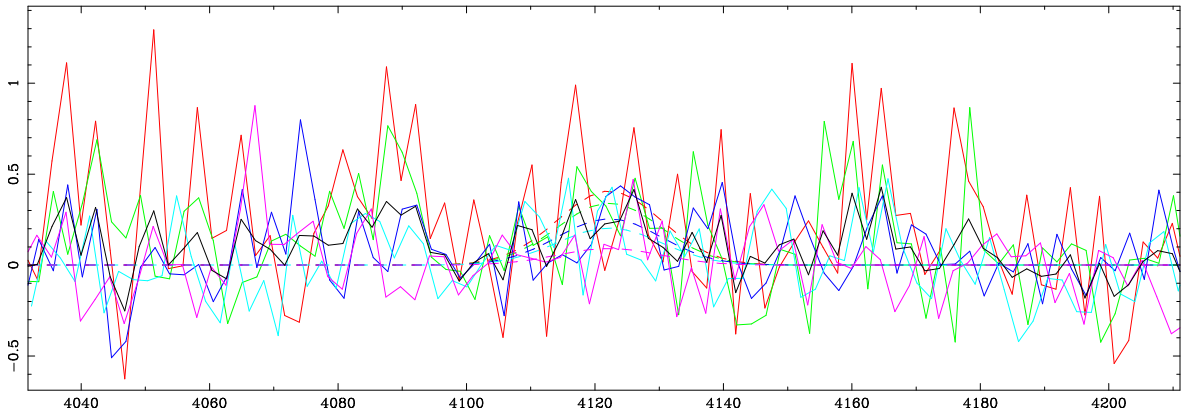
λ_{obs} = 4087.41Å

EW_{obs} = 6.34Å

α_{2000} = 189.0586°

δ_{2000} = 62.1993°





S/N = 6.73

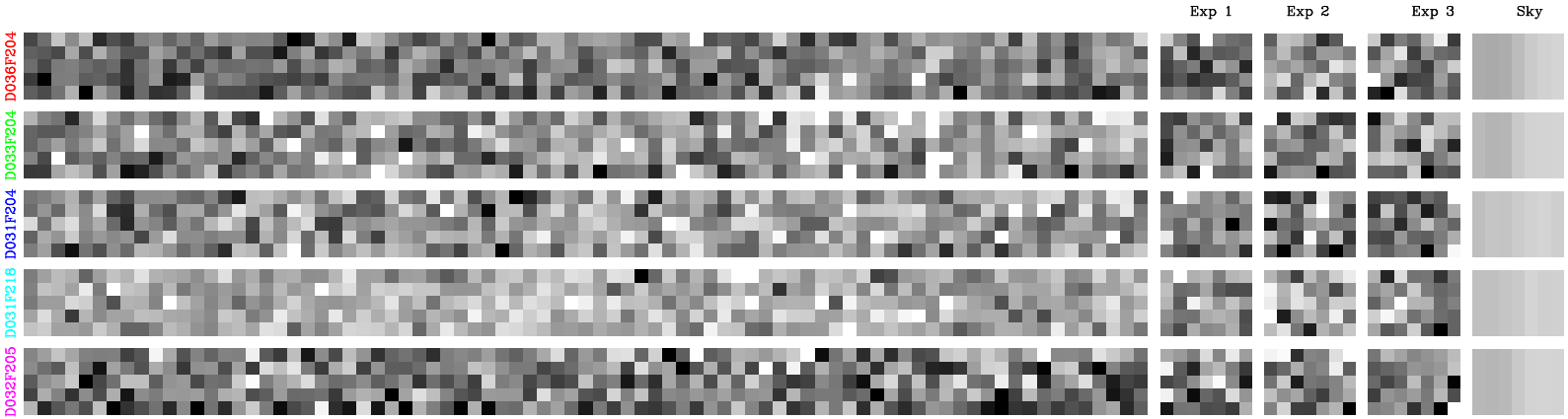
$FWHM_{obs}$ = 19.02Å

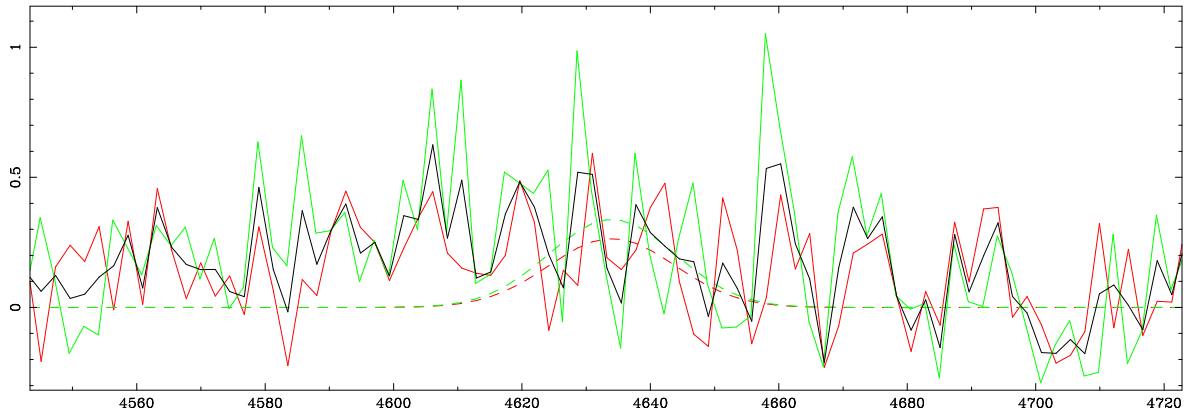
λ_{obs} = 4122.22Å

EW_{obs} = 9.40Å

α_{2000} = 189.0588°

δ_{2000} = 62.1995°





S/N = 6.84

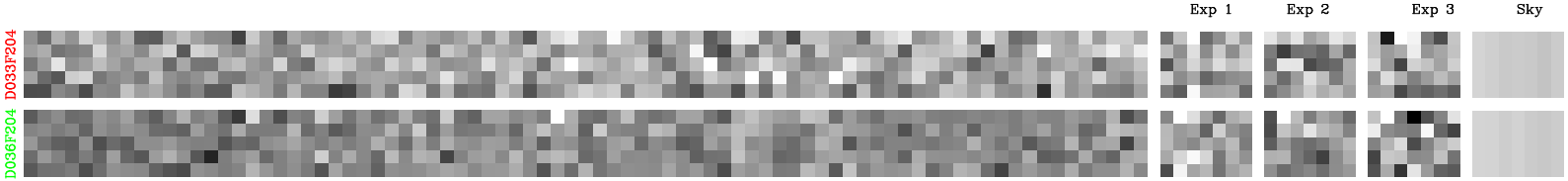
$FWHM_{obs}$ = 23.14Å

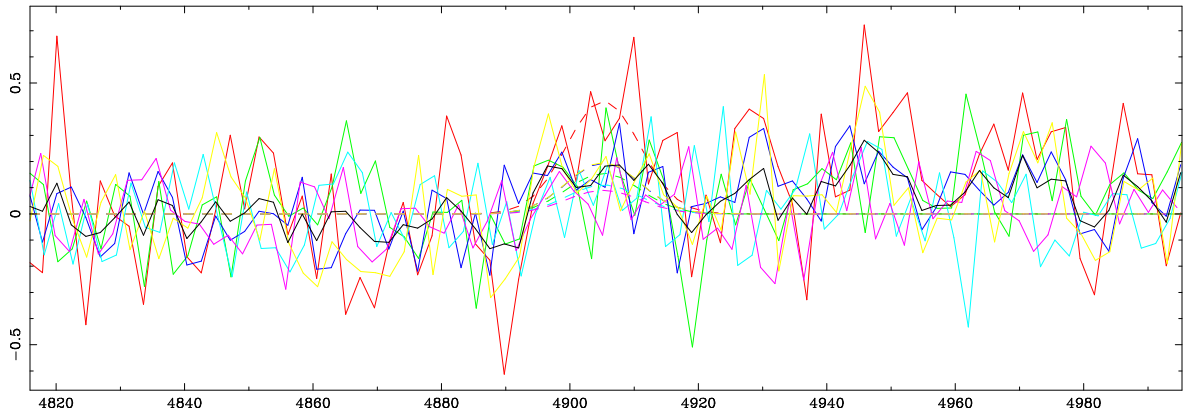
λ_{obs} = 4634.02Å

EW_{obs} = 4.00Å

α_{2000} = 189.0586°

δ_{2000} = 62.1993°





S/N = 6.77

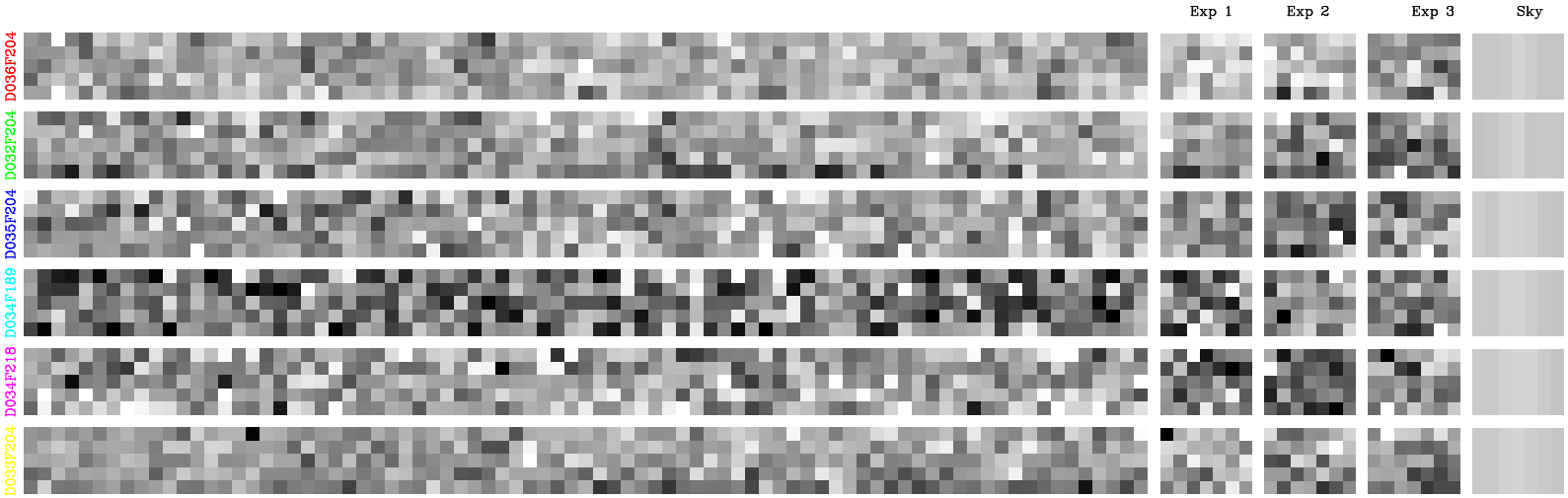
$FWHM_{obs}$ = 13.37Å

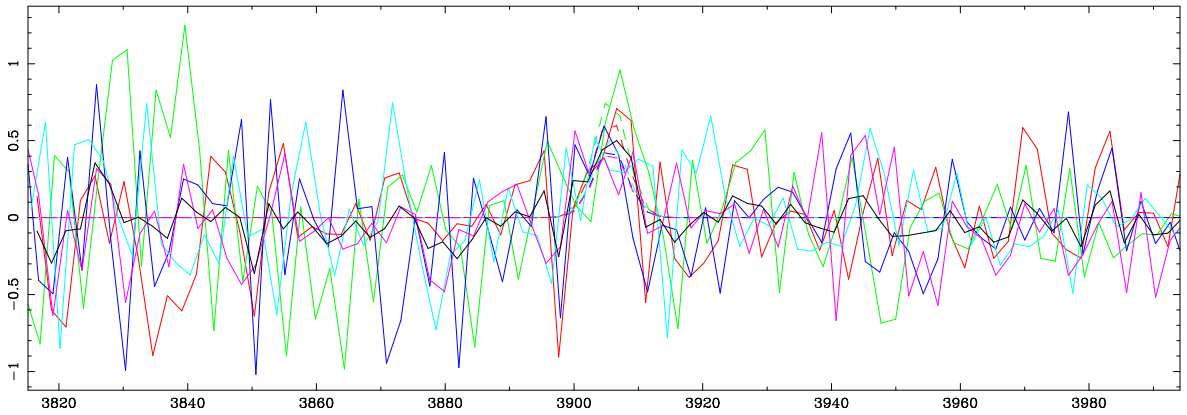
λ_{obs} = 4905.20Å

EW_{obs} = 2.61Å

α_{2000} = 189.0581°

δ_{2000} = 62.1997°





S/N = 5.06

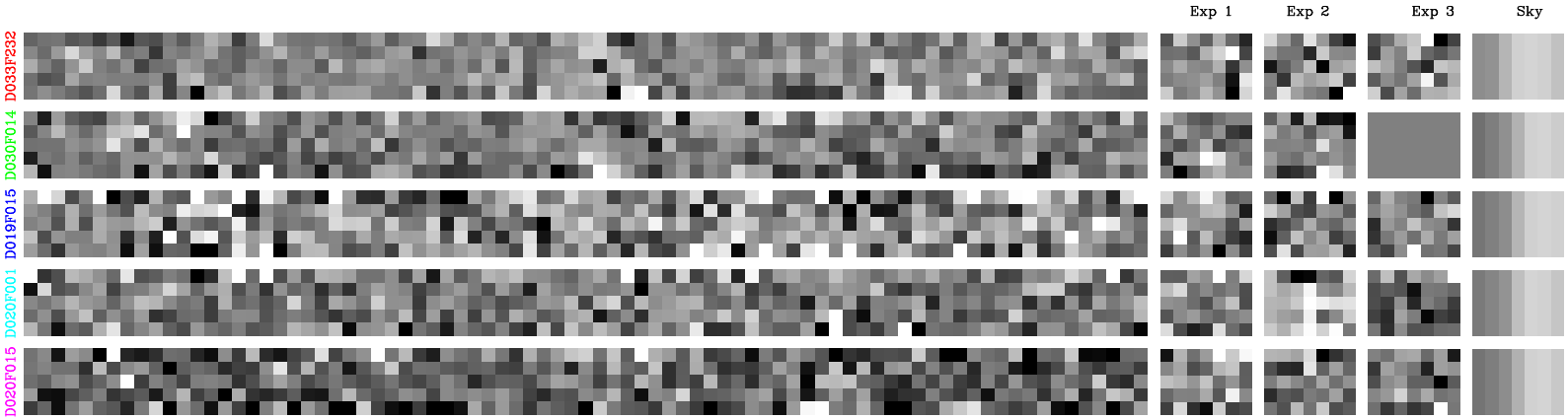
$FWHM_{obs}$ = 6.02Å

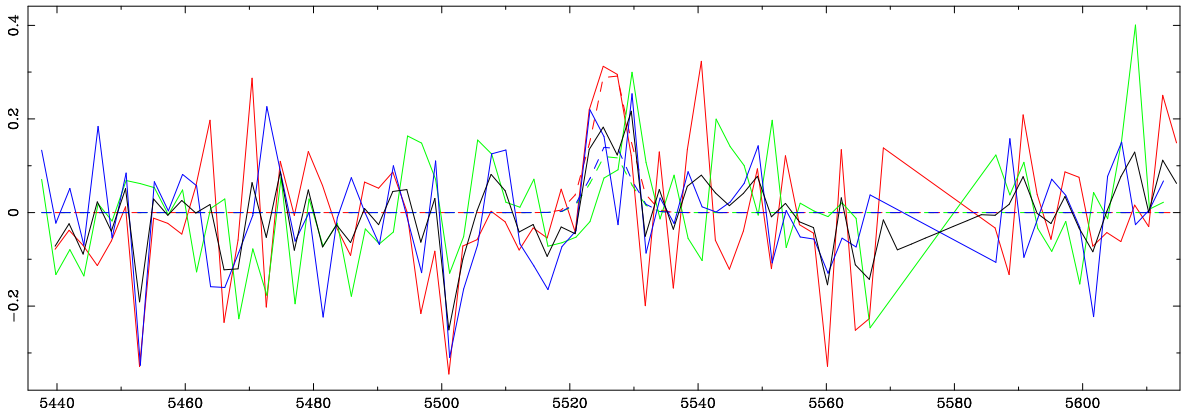
λ_{obs} = 3905.66Å

EW_{obs} > 47.60Å

α_{2000} = 189.1199°

δ_{2000} = 62.1972°





S/N = 5.00

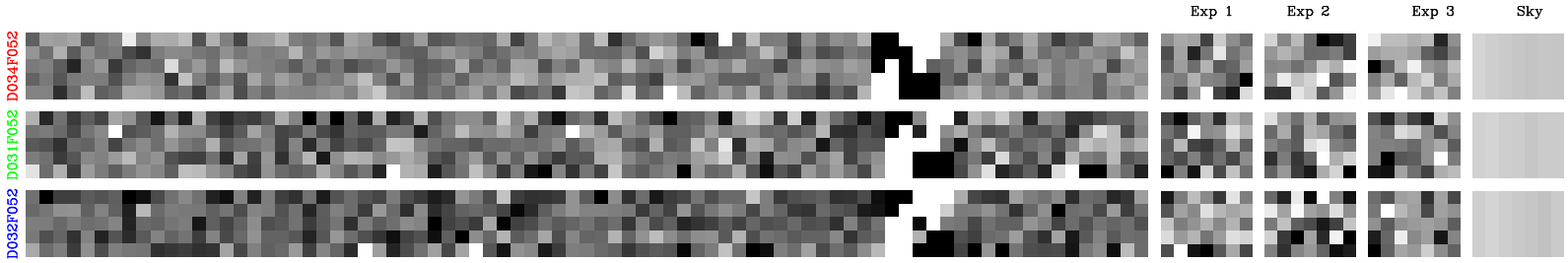
$FWHM_{obs}$ = 6.30Å

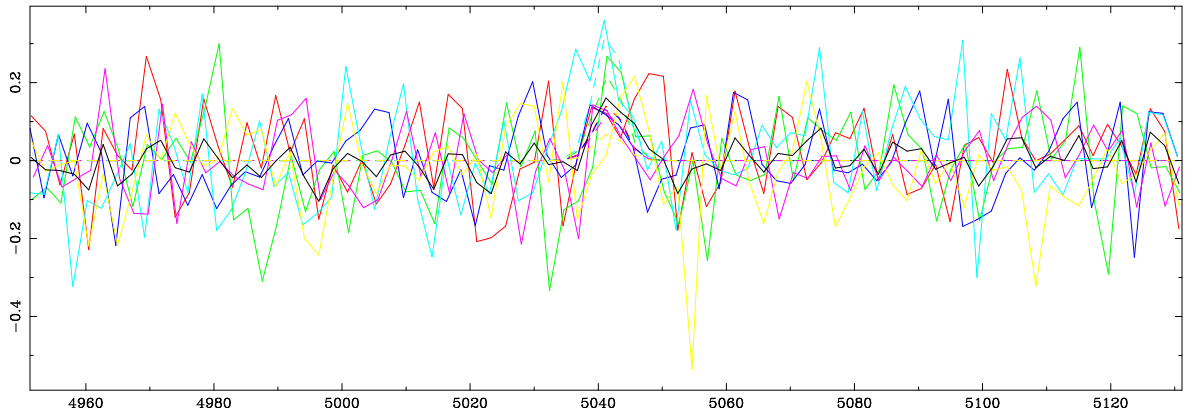
λ_{obs} = 5526.35Å

EW_{obs} > 42.19Å

α_{2000} = 189.0926°

δ_{2000} = 62.2194°





$S/N = 5.66$

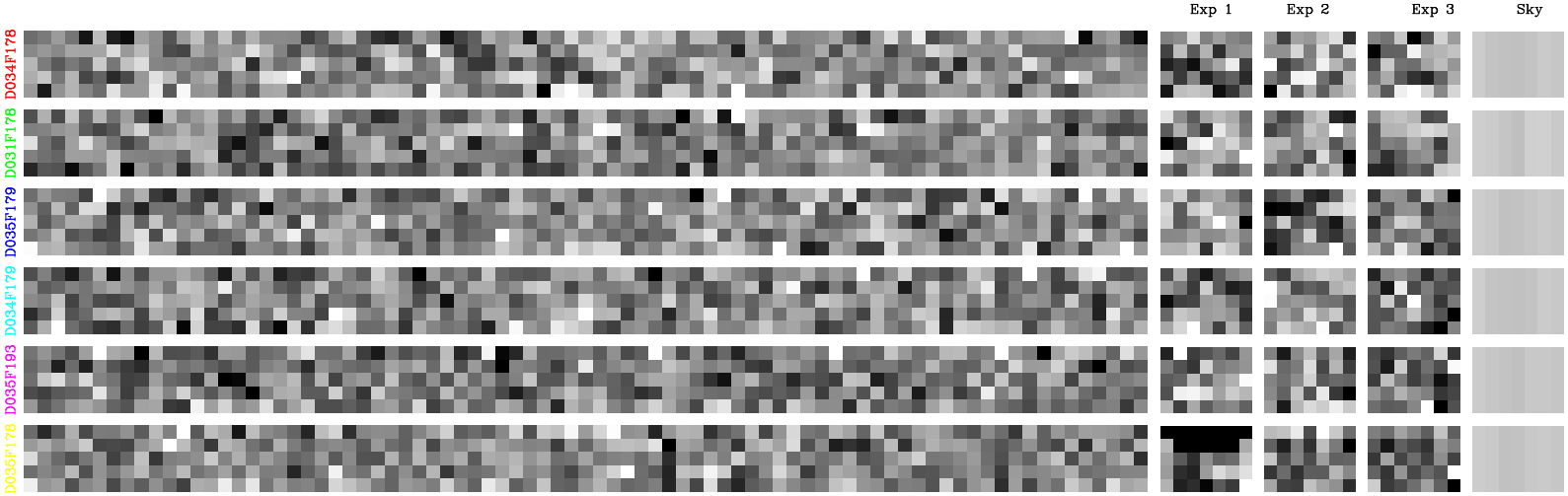
$FWHM_{obs} = 5.42$Å

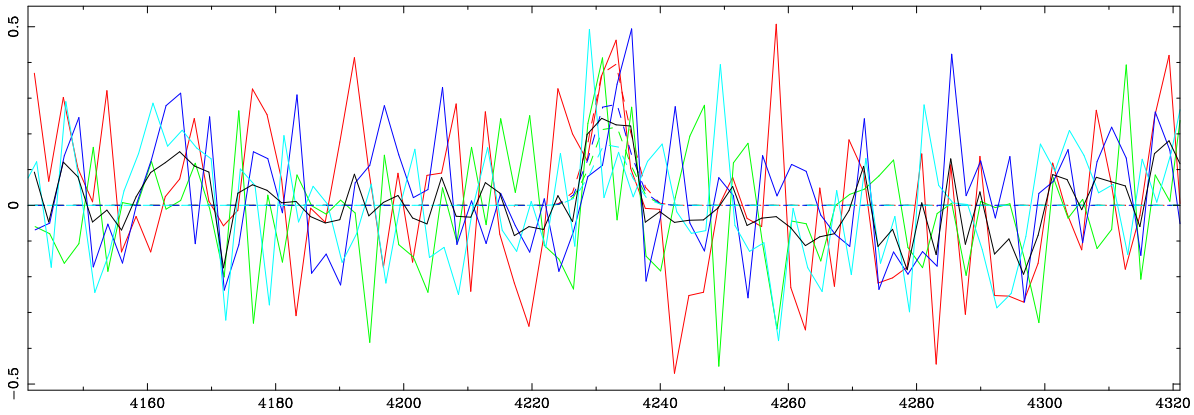
$\lambda_{obs} = 5041.67$Å

$EW_{obs} > 52.87$Å

$\alpha_{2000} = 189.0748°$

$\delta_{2000} = 62.2035°$





S/N = 5.15

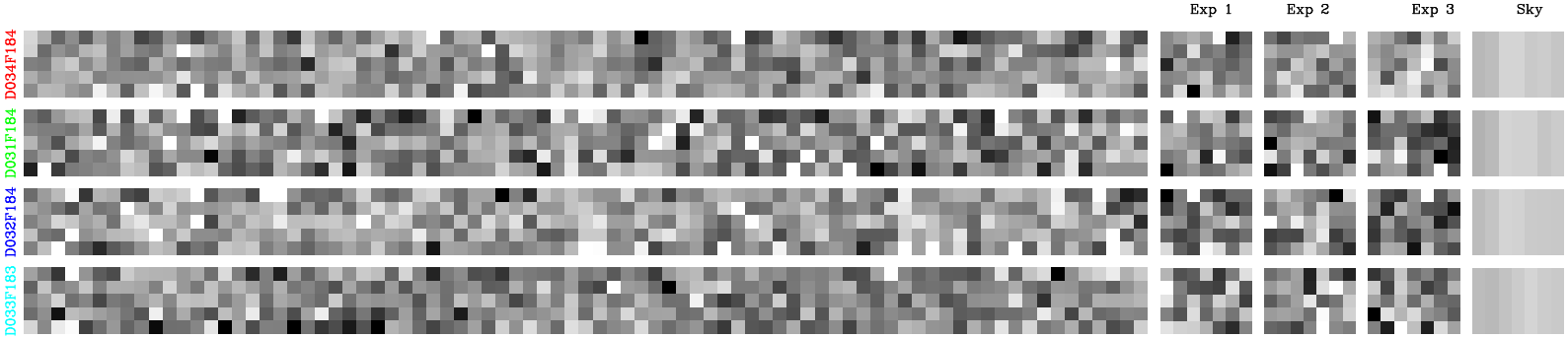
$FWHM_{obs}$ = 6.26Å

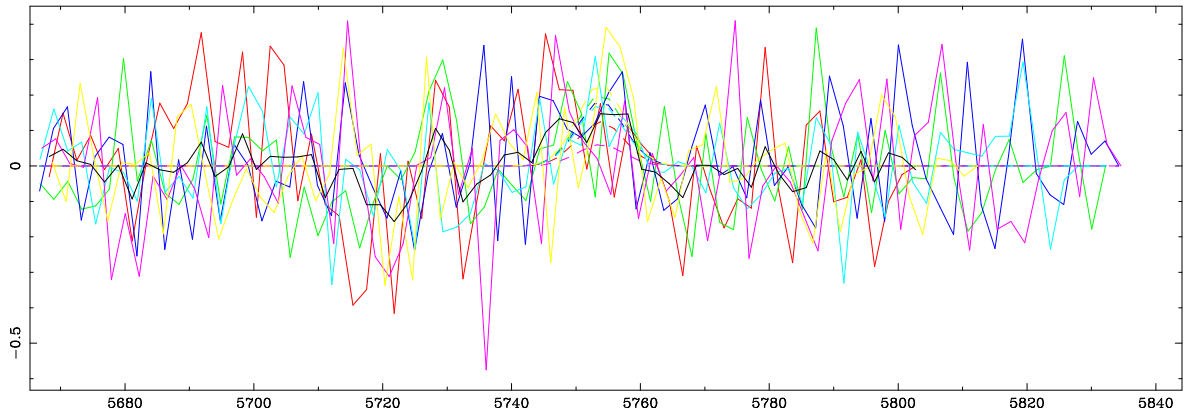
λ_{obs} = 4232.22Å

EW_{obs} > 45.63Å

α_{2000} = 189.0979°

δ_{2000} = 62.2033°





$S/N = 5.12$

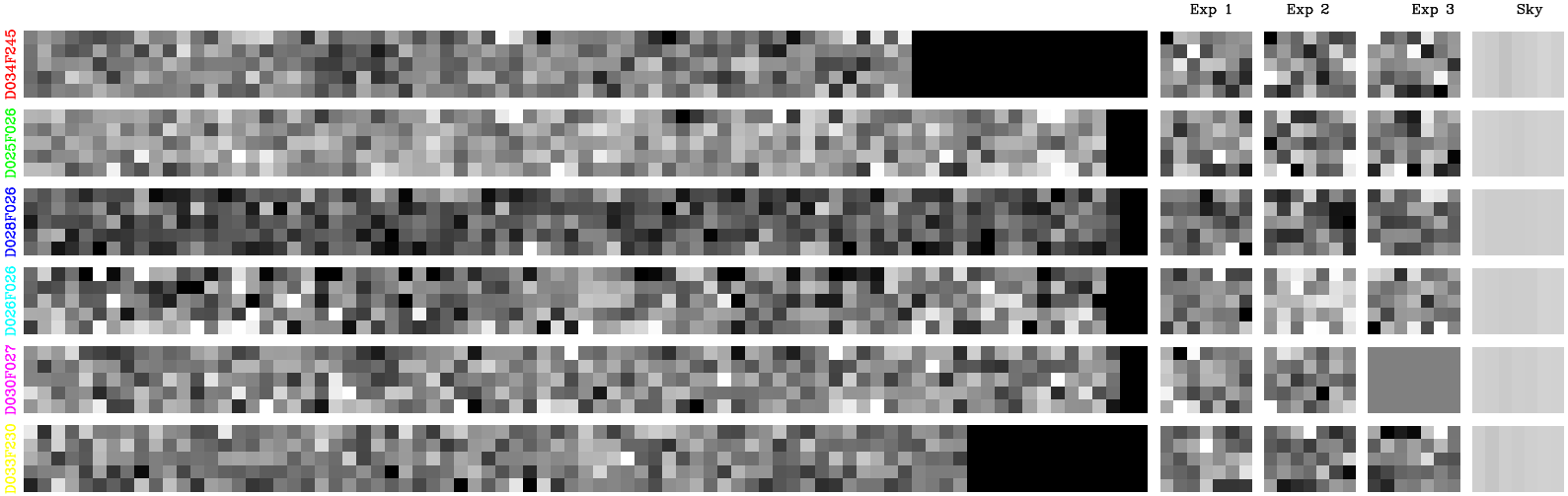
$FWHM_{obs} = 8.53Å$

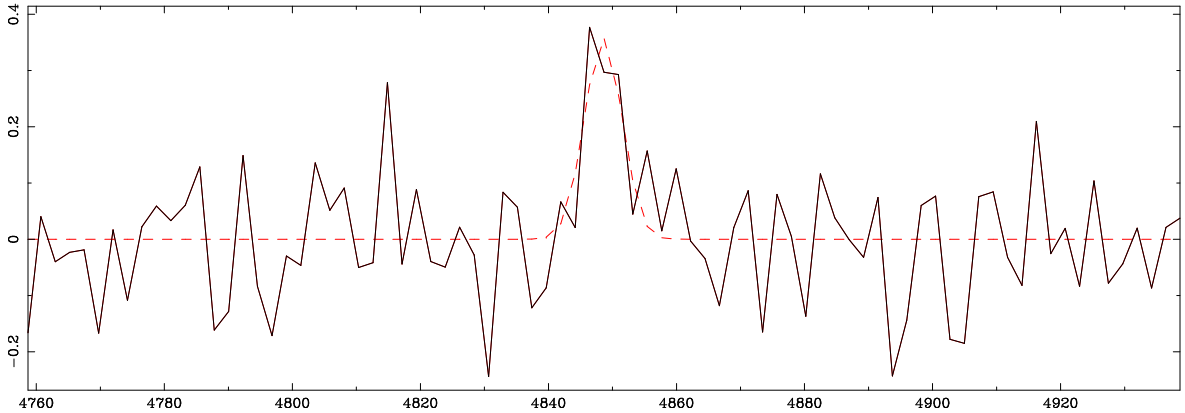
$\lambda_{obs} = 5753.82Å$

$EW_{obs} > 52.13Å$

$\alpha_{2000} = 189.1107°$

$\delta_{2000} = 62.1962°$





S/N = 5.07

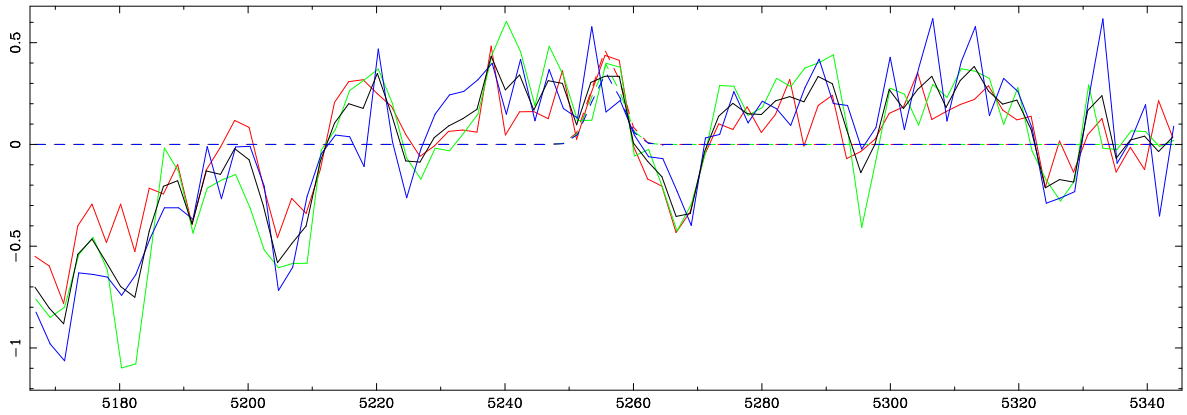
$FWHM_{obs}$ = 6.91Å

λ_{obs} = 4848.56Å

EW_{obs} > 52.94Å

α_{2000} = 189.0935°

δ_{2000} = 62.2181°



S/N = 5.85

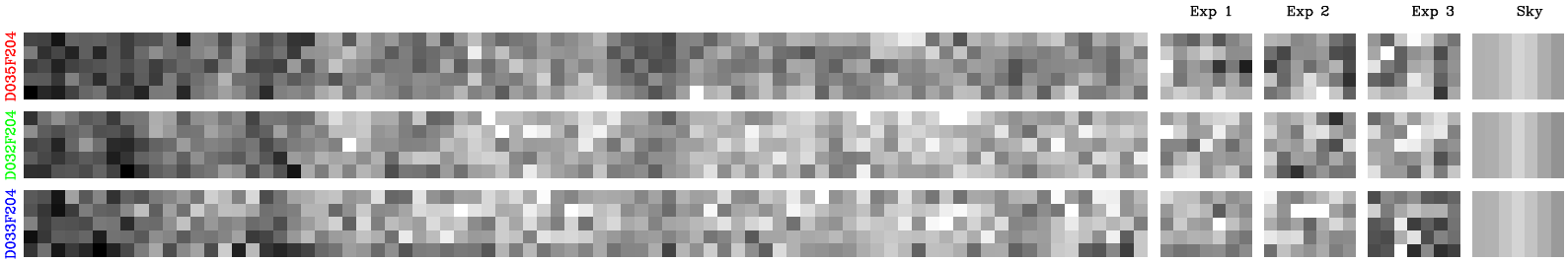
$FWHM_{obs}$ = 5.34Å

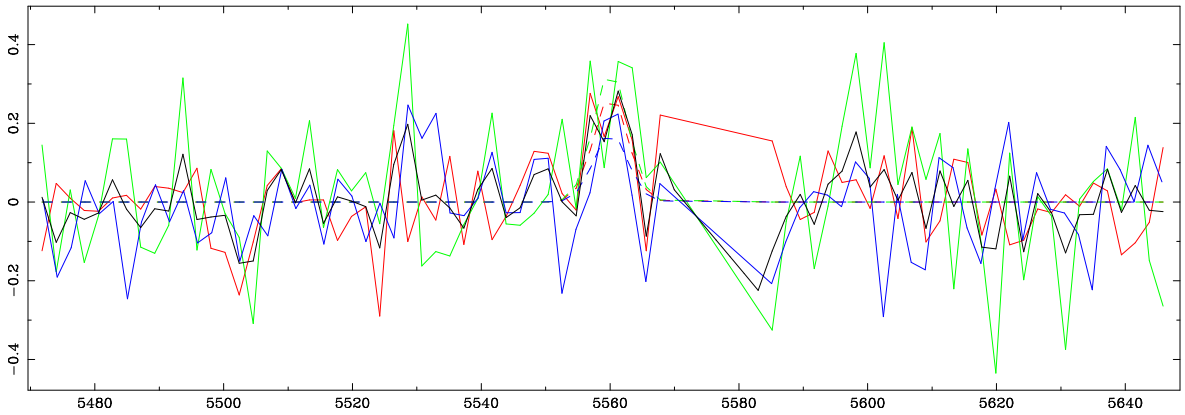
λ_{obs} = 5255.82Å

EW_{obs} = 1.59Å

α_{2000} = 189.0582°

δ_{2000} = 62.2000°





$S/N = 5.12$

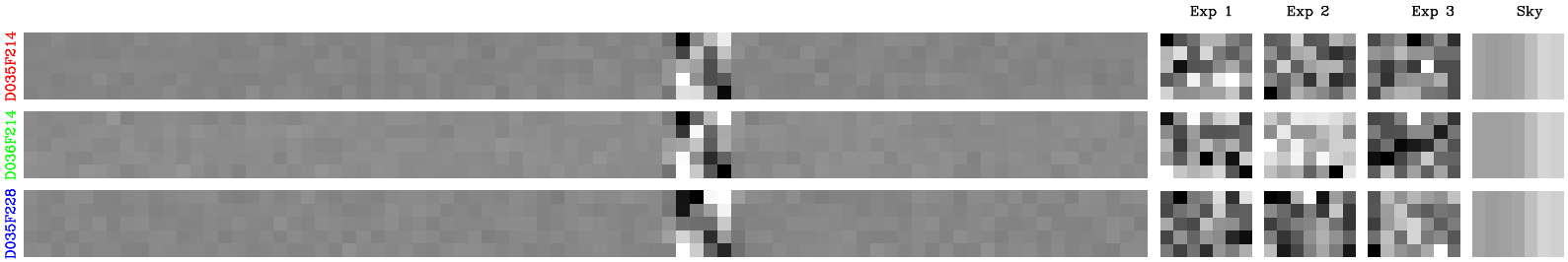
$FWHM_{obs} = 6.26$Å

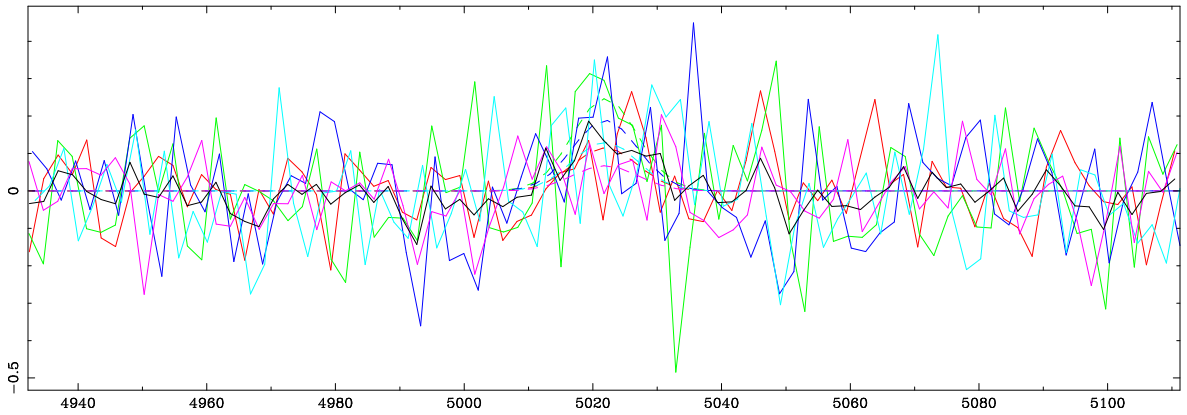
$\lambda_{obs} = 5560.09$Å

$EW_{obs} > 46.16$Å

$\alpha_{2000} = 189.1012°$

$\delta_{2000} = 62.1993°$





$S/N = 5.25$

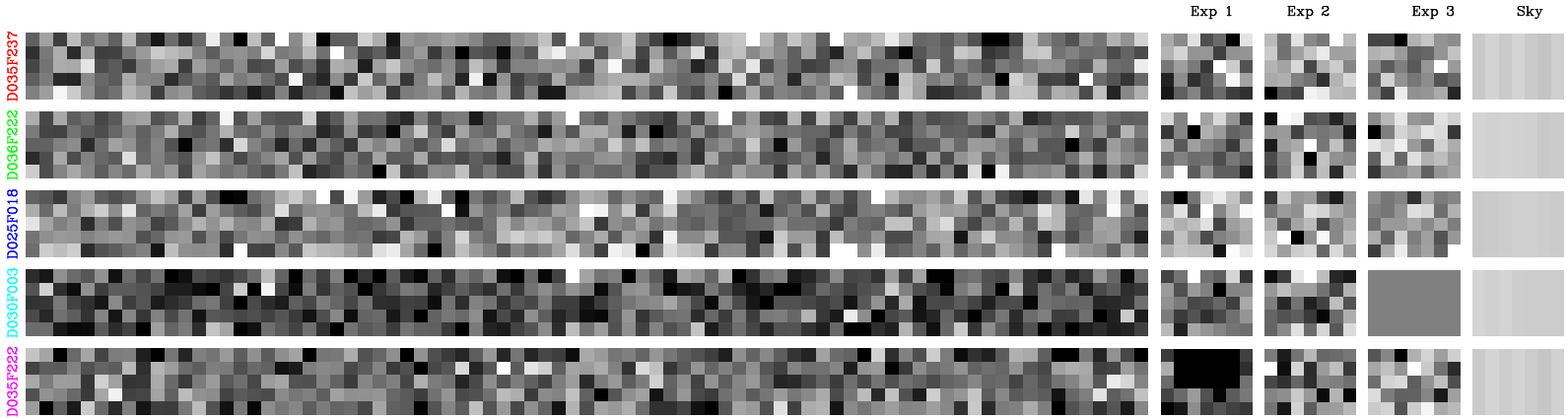
$FWHM_{obs} = 11.92Å$

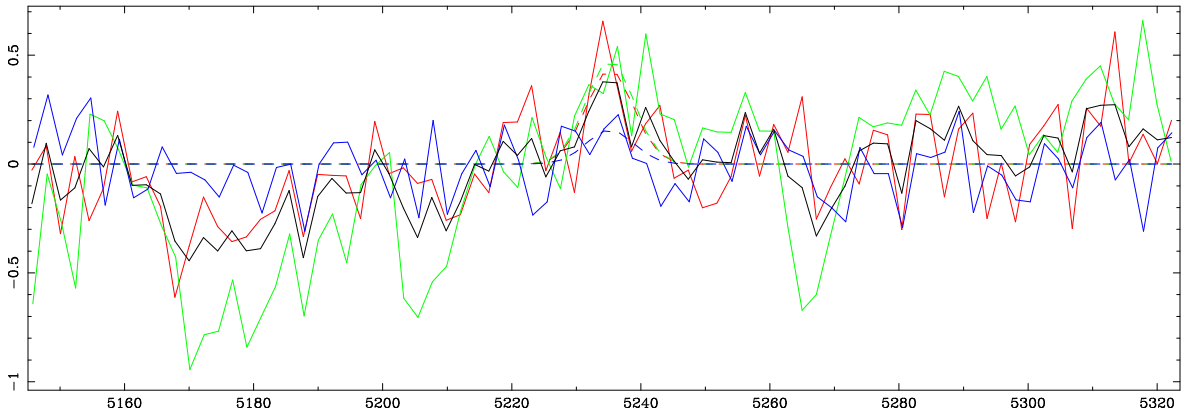
$\lambda_{obs} = 5021.90Å$

$EW_{obs} > 69.16Å$

$\alpha_{2000} = 189.0740°$

$\delta_{2000} = 62.1972°$





S/N = 5.78

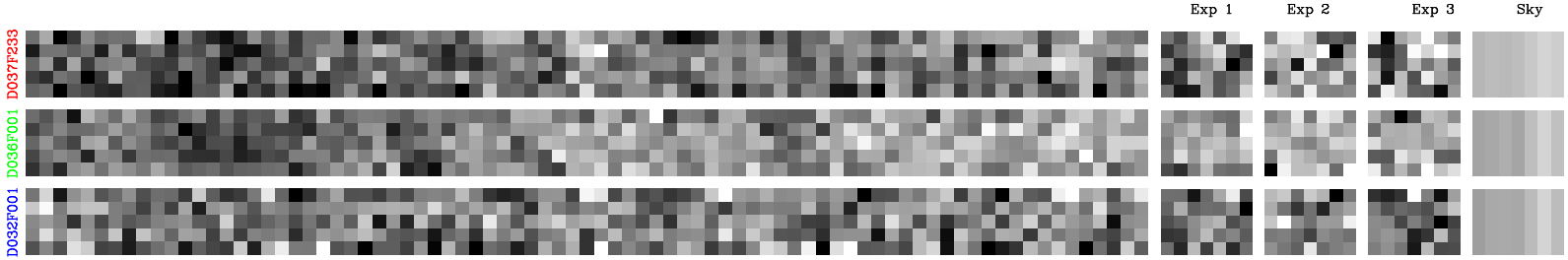
$FWHM_{obs}$ = 8.65Å

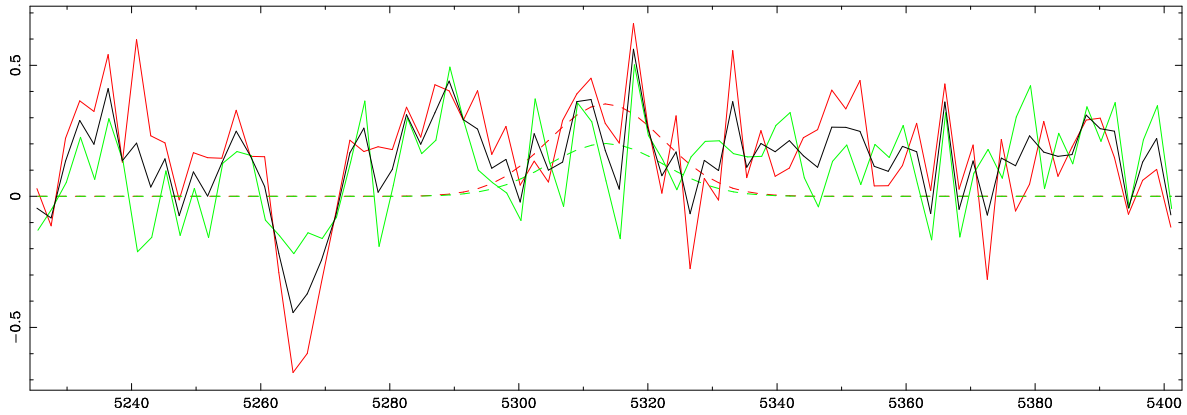
λ_{obs} = 5235.20Å

EW_{obs} = 3.40Å

α_{2000} = 189.0586°

δ_{2000} = 62.2242°





S/N = 5.99

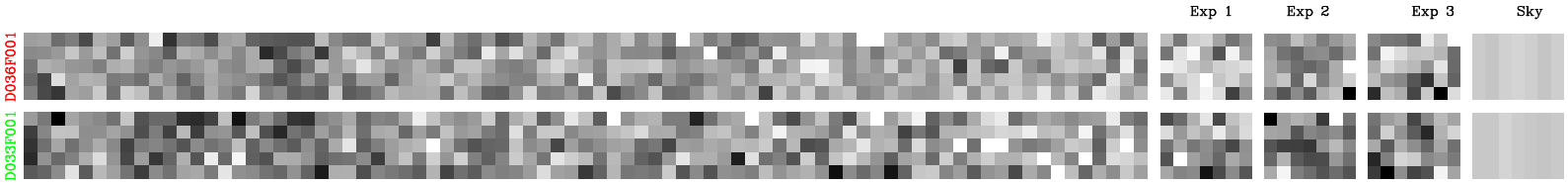
$FWHM_{obs}$ = 20.97Å

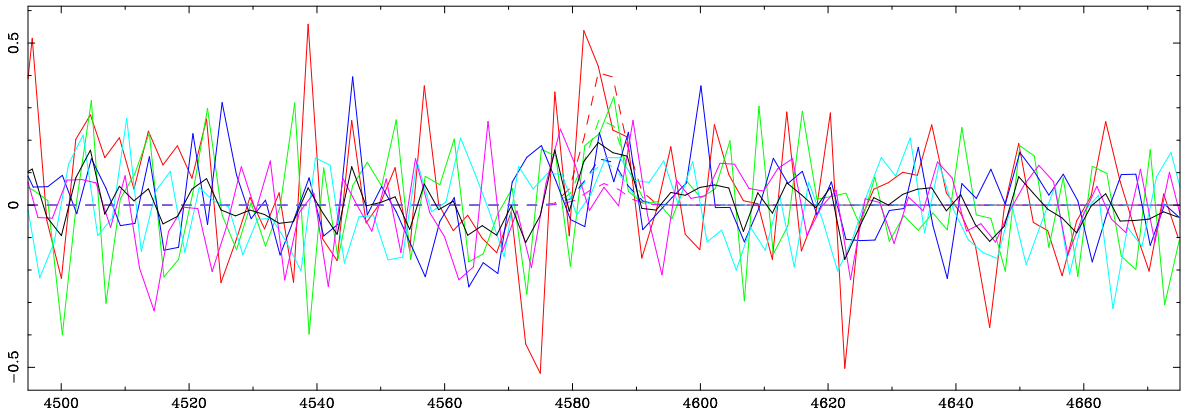
λ_{obs} = 5313.52Å

EW_{obs} = 4.67Å

α_{2000} = 189.0591°

δ_{2000} = 62.2243°





$S/N = 5.14$

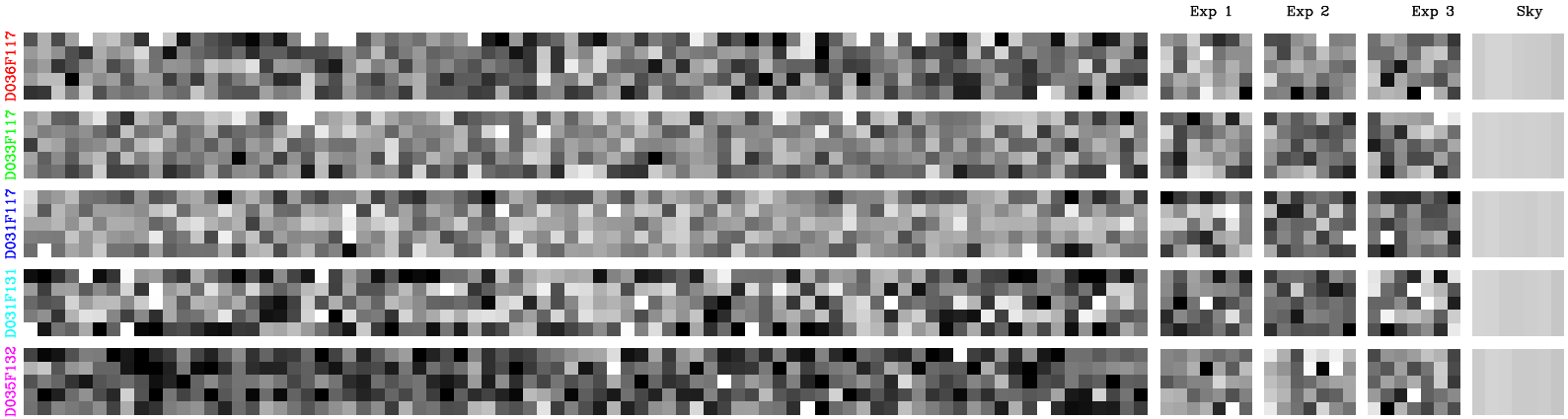
$FWHM_{obs} = 6.29Å$

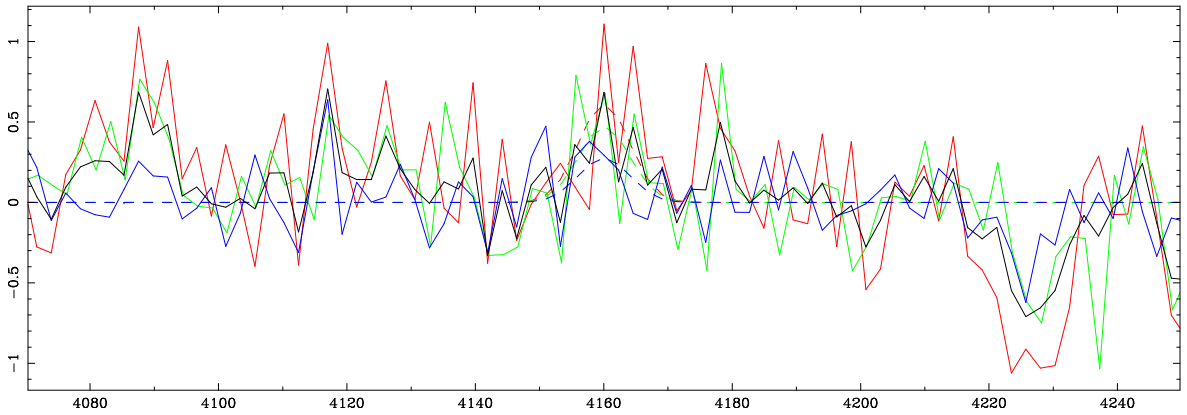
$\lambda_{obs} = 4585.06Å$

$EW_{obs} > 50.29Å$

$\alpha_{2000} = 189.0589°$

$\delta_{2000} = 62.2101°$





S/N = 5.01

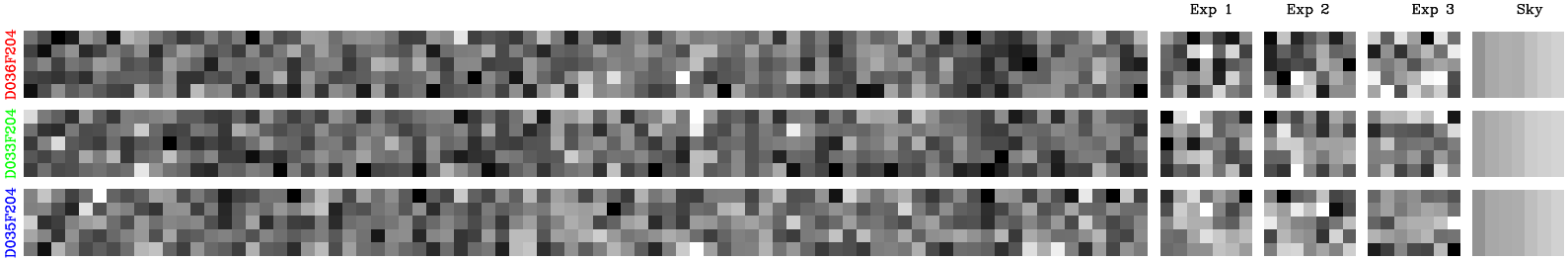
$FWHM_{obs}$ = 9.42Å

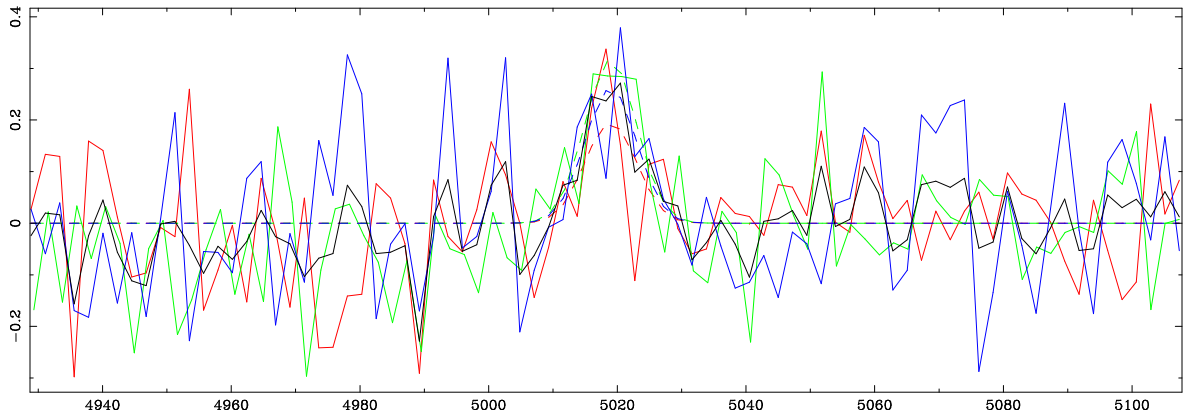
λ_{obs} = 4160.07Å

EW_{obs} = 4.54Å

α_{2000} = 189.0585°

δ_{2000} = 62.1996°





S/N = 5.64

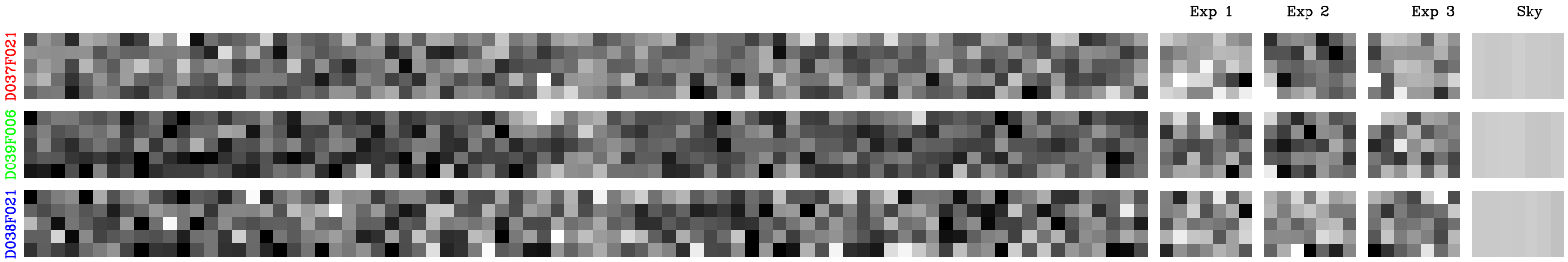
$FWHM_{obs}$ = 9.47Å

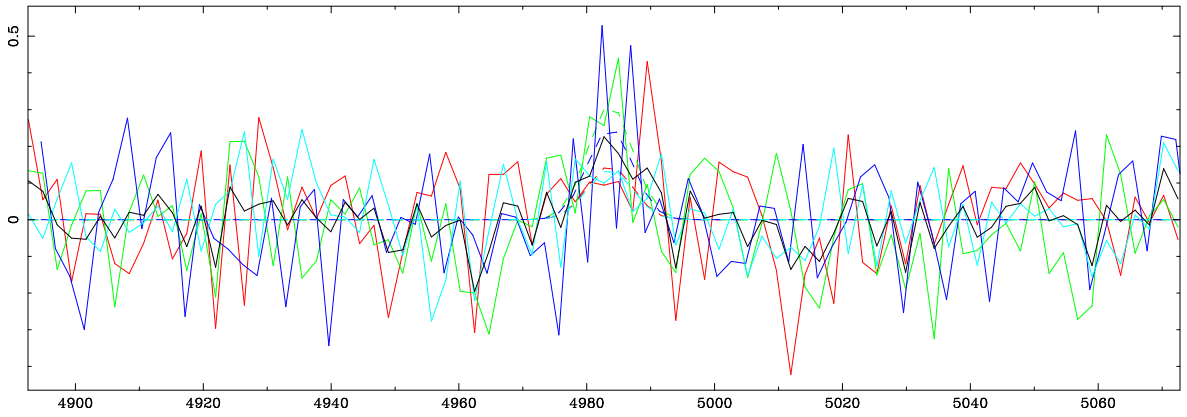
λ_{obs} = 5018.97Å

EW_{obs} > 66.59Å

α_{2000} = 189.0820°

δ_{2000} = 62.2506°





S/N = 5.25

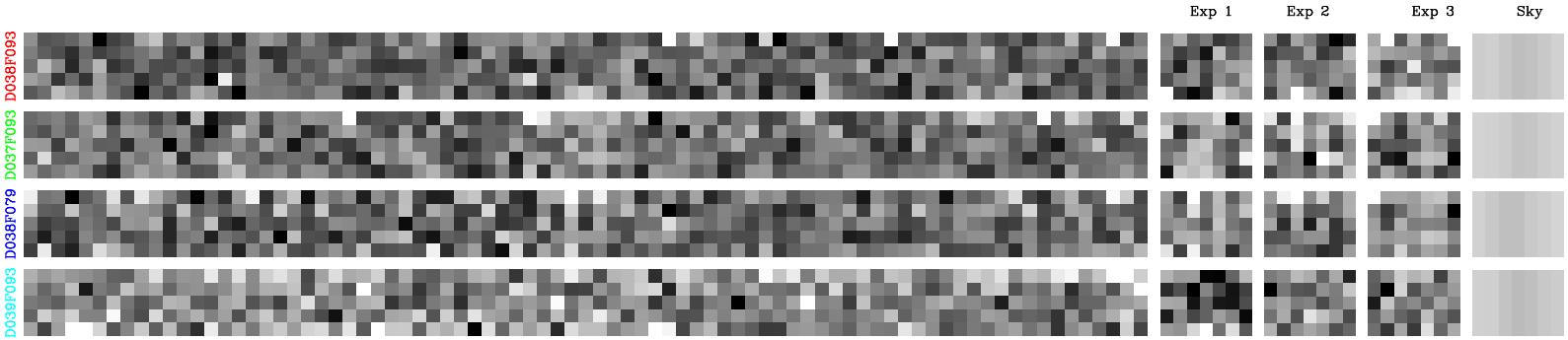
$FWHM_{obs}$ = 8.33Å

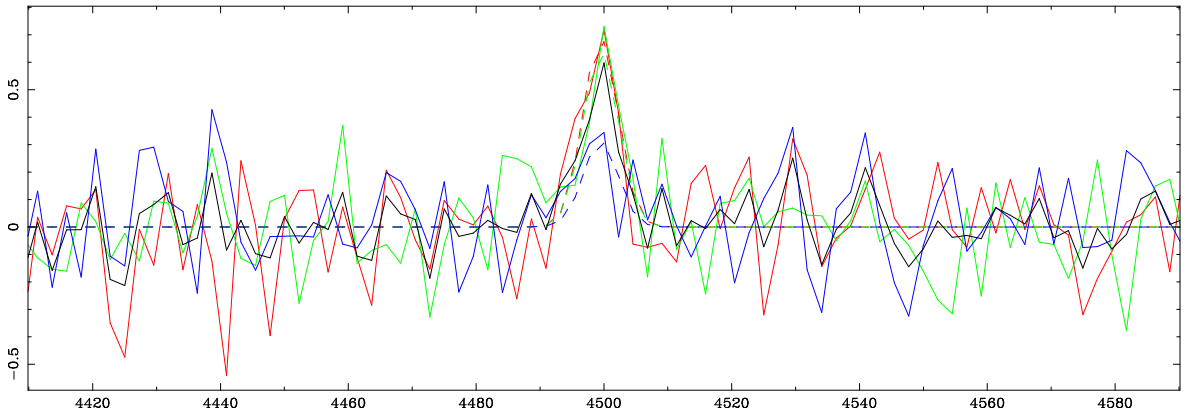
λ_{obs} = 4983.64Å

EW_{obs} > 60.61Å

α_{2000} = 189.0809°

δ_{2000} = 62.2417°





S/N = 6.70

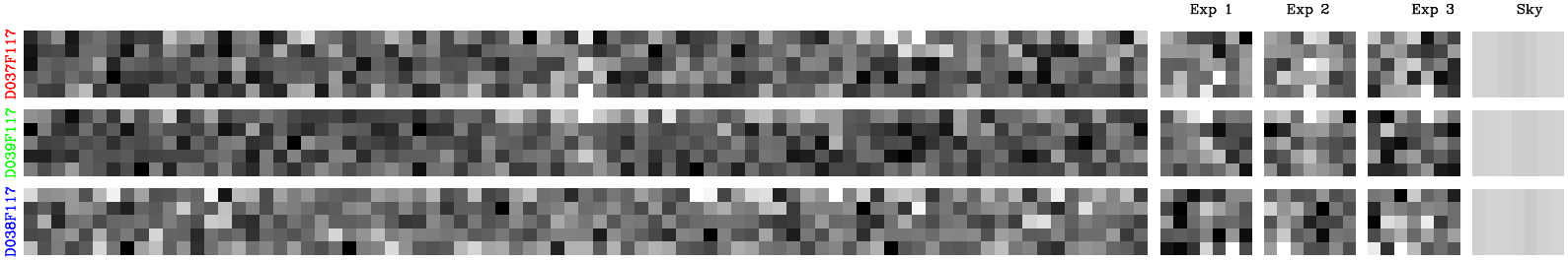
$FWHM_{obs}$ = 6.49Å

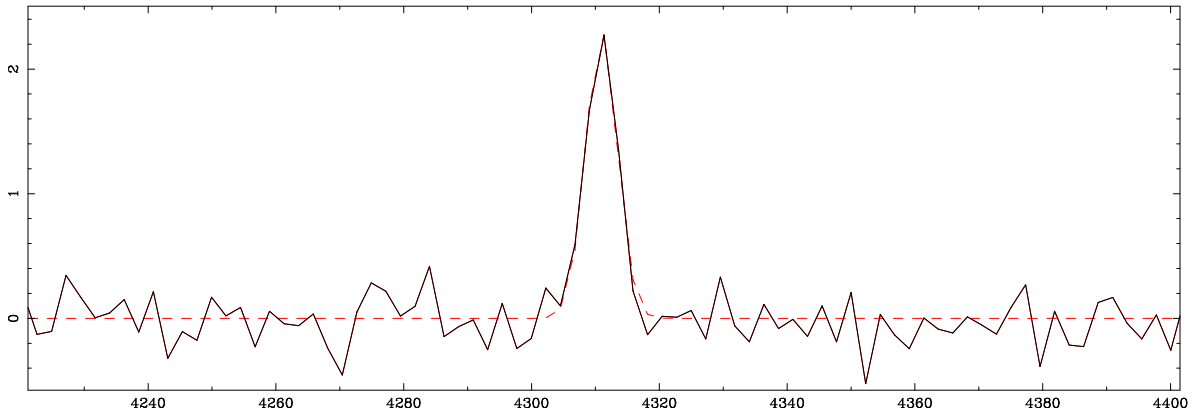
λ_{obs} = 4499.49Å

EW_{obs} = 25.67Å

α_{2000} = 189.0588°

δ_{2000} = 62.2377°





S/N = 12.92

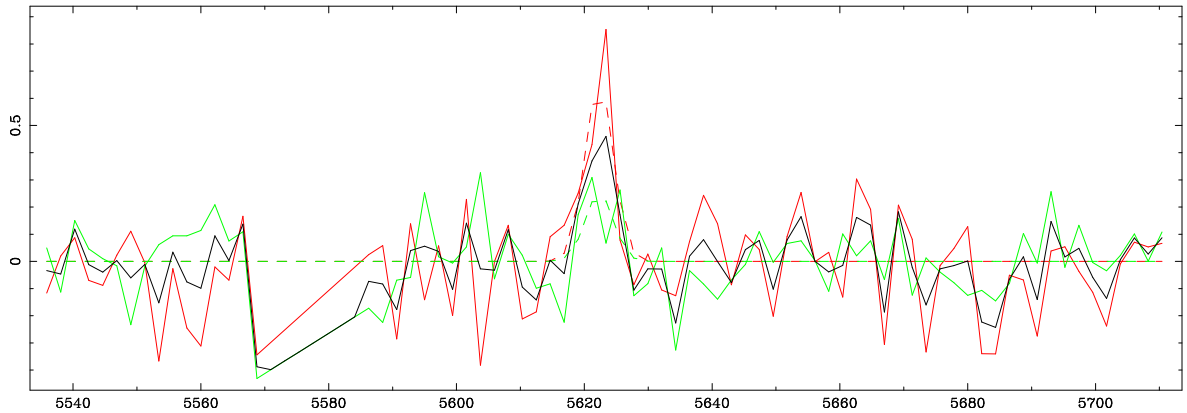
$FWHM_{obs}$ = 5.79Å

λ_{obs} = 4310.96Å

EW_{obs} = 83.12Å

α_{2000} = 189.0724°

δ_{2000} = 62.2382°



S/N = 5.31

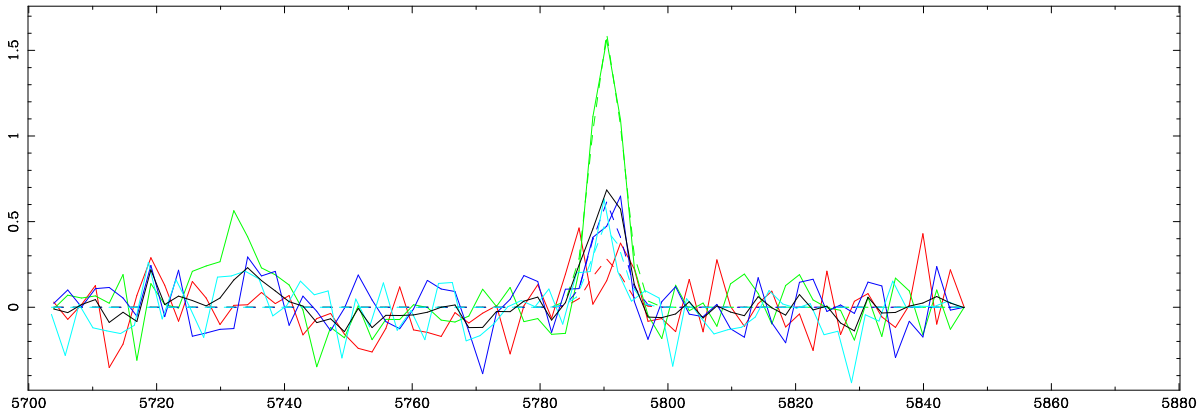
$FWHM_{obs}$ = 5.20Å

λ_{obs} = 5622.34Å

EW_{obs} = 11.82Å

α_{2000} = 189.0724°

δ_{2000} = 62.2378°



S/N = 10.61

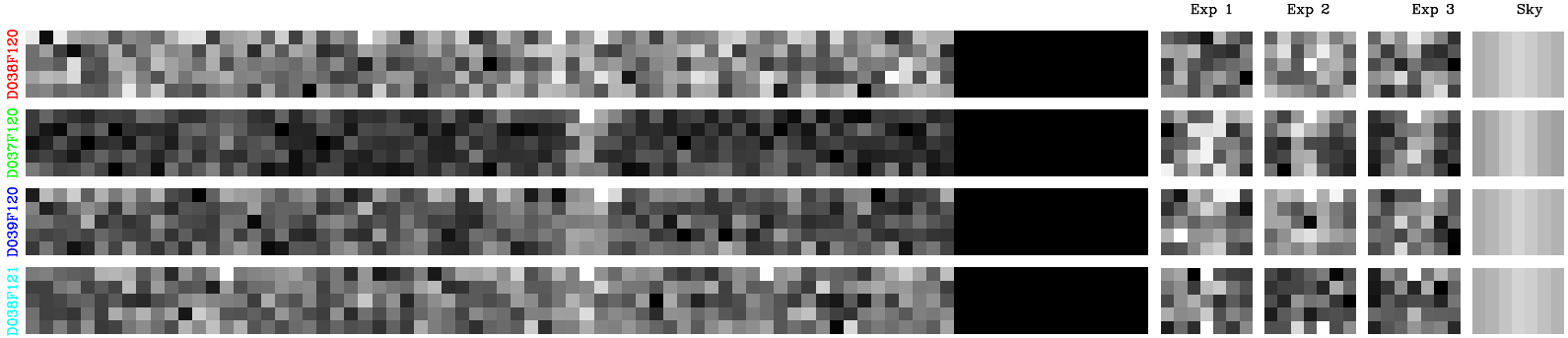
$FWHM_{obs}$ = 5.51Å

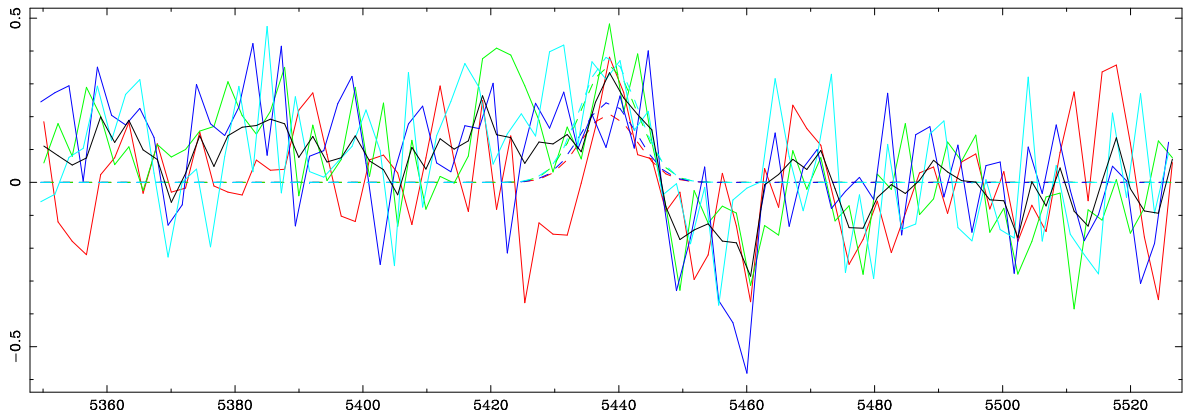
λ_{obs} = 5790.47Å

EW_{obs} = 32.43Å

α_{2000} = 189.0725°

δ_{2000} = 62.2378°





$S/N = 6.94$

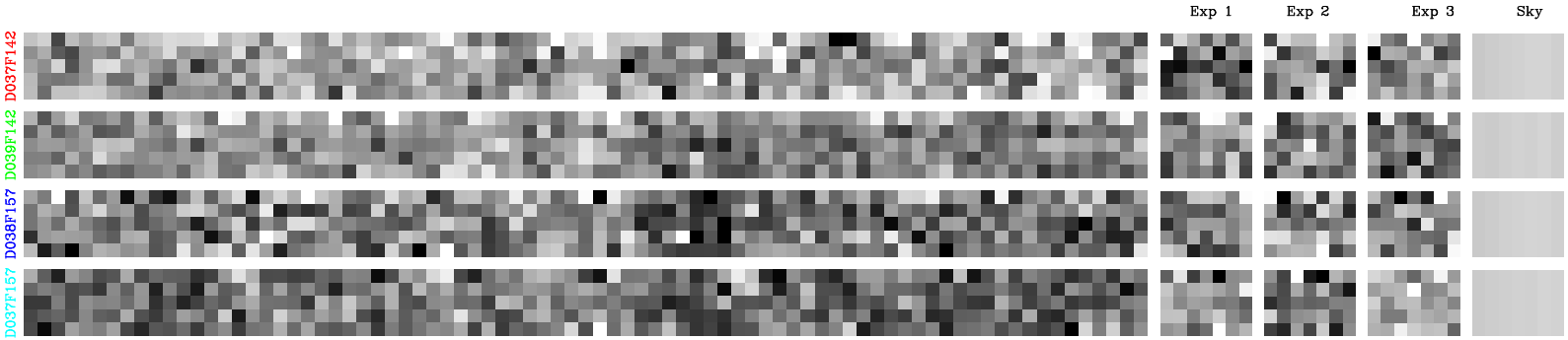
$FWHM_{obs} = 10.32Å$

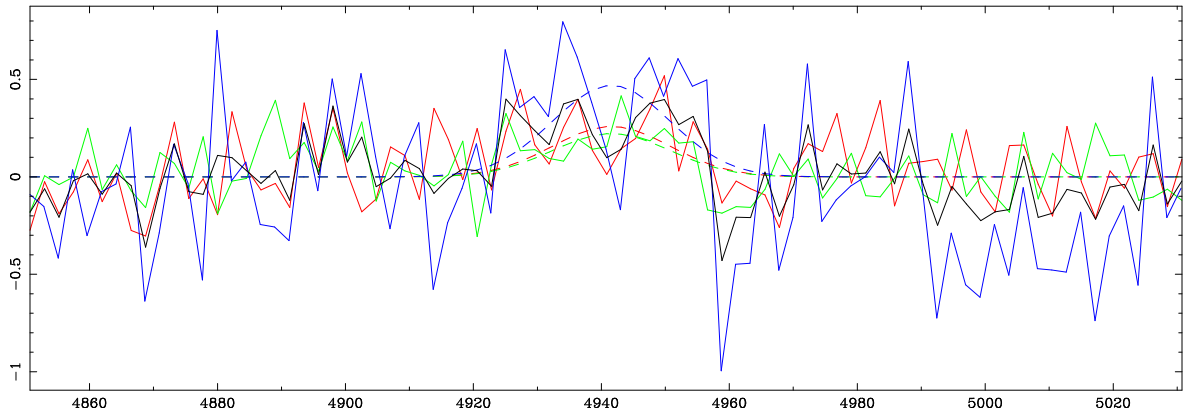
$\lambda_{obs} = 5438.44Å$

$EW_{obs} = 4.50Å$

$\alpha_{2000} = 189.1059°$

$\delta_{2000} = 62.2348°$





S/N = 7.10

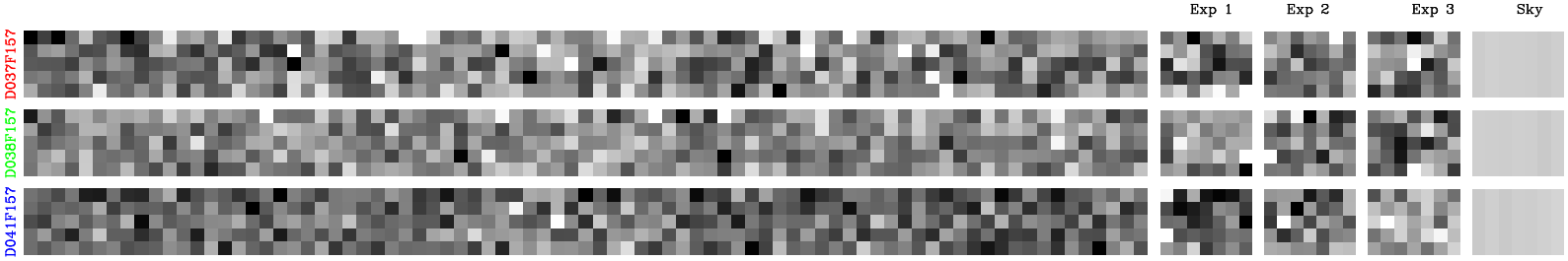
$FWHM_{obs}$ = 21.73Å

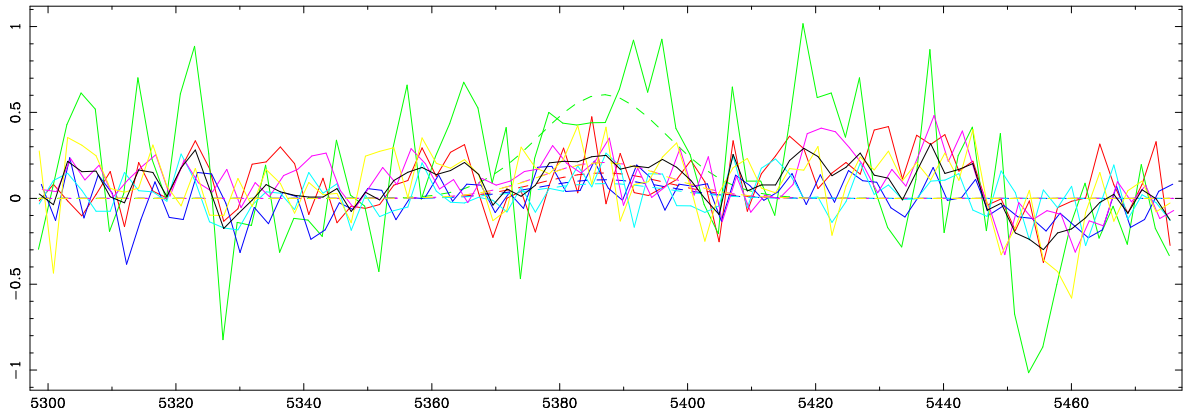
λ_{obs} = 4941.57Å

EW_{obs} = 11.37Å

α_{2000} = 189.1061°

δ_{2000} = 62.2343°





S/N = 8.30

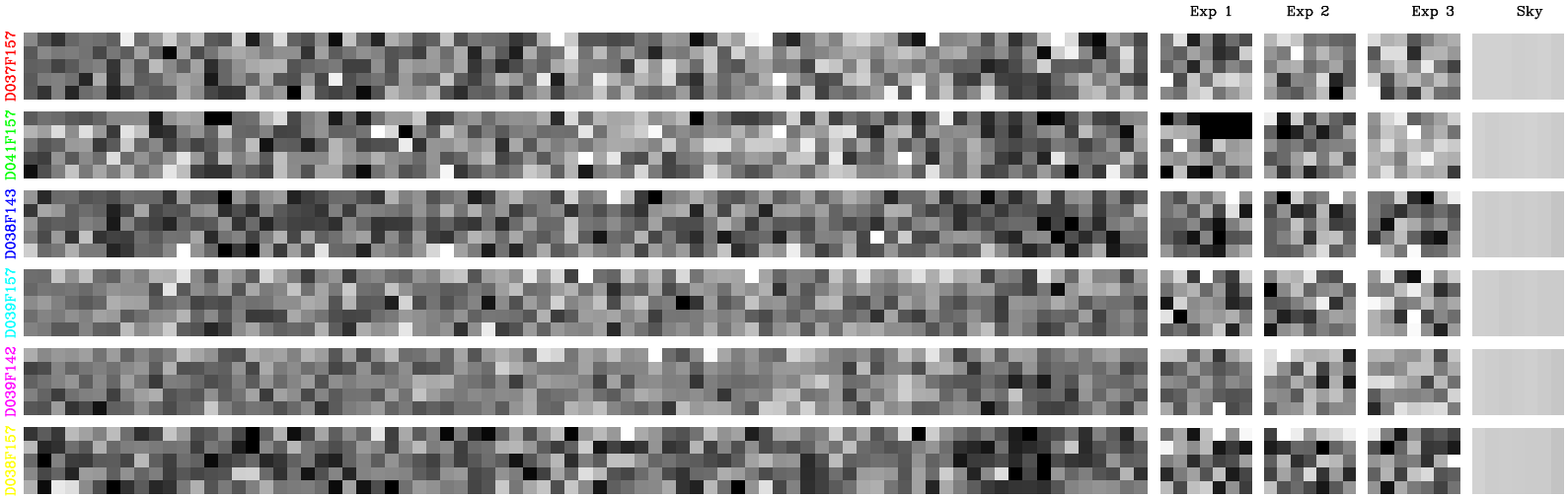
$FWHM_{obs}$ = 23.46Å

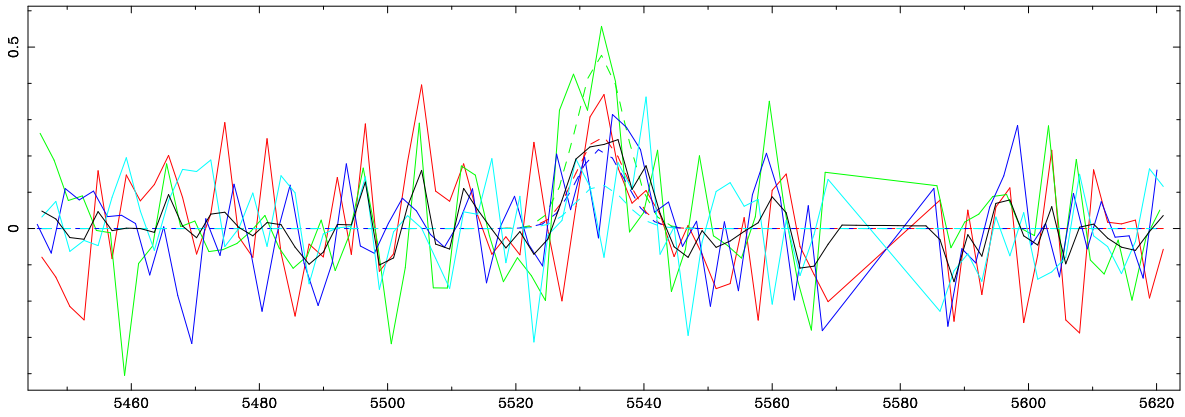
λ_{obs} = 5386.80Å

EW_{obs} = 6.74Å

α_{2000} = 189.1060°

δ_{2000} = 62.2344°





S/N = 6.68

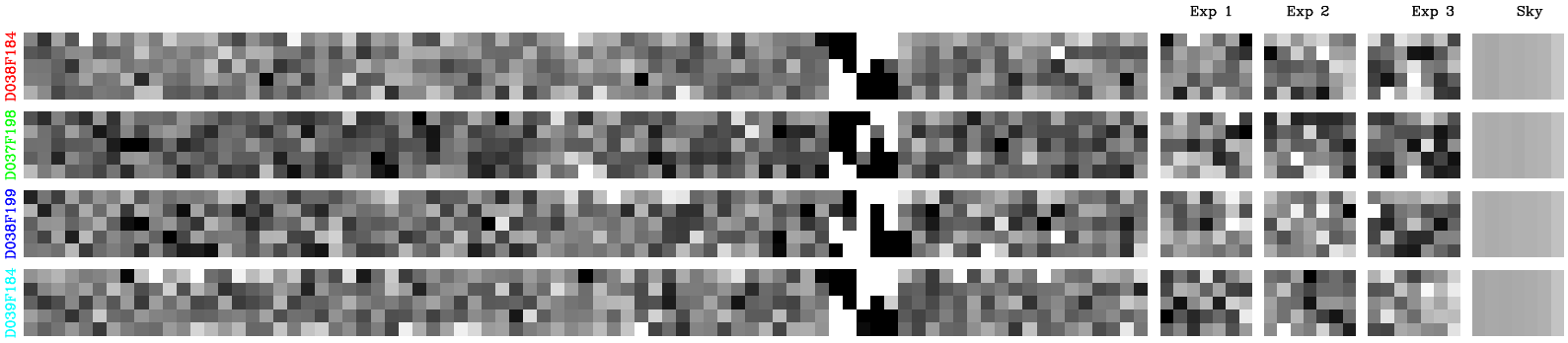
$FWHM_{obs}$ = 8.95Å

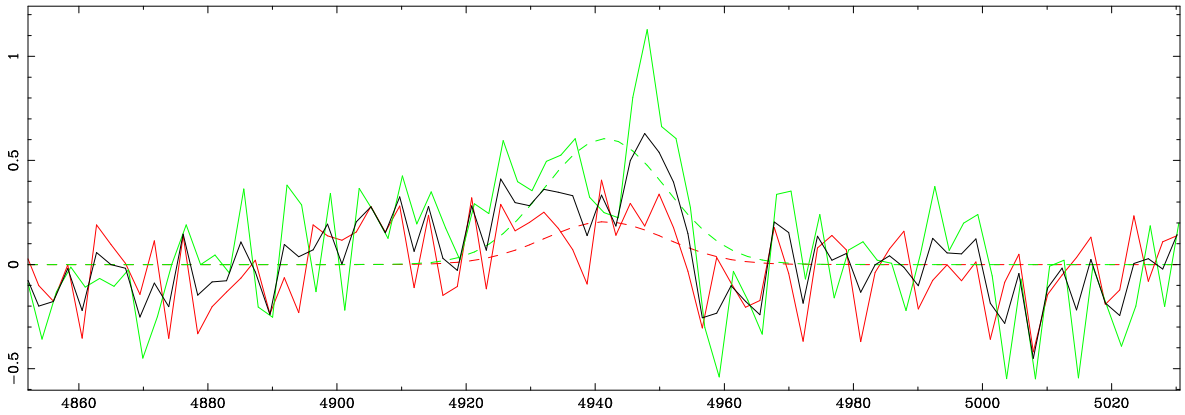
λ_{obs} = 5533.24Å

EW_{obs} > 77.08Å

α_{2000} = 189.0969°

δ_{2000} = 62.2293°





S/N = 8.13

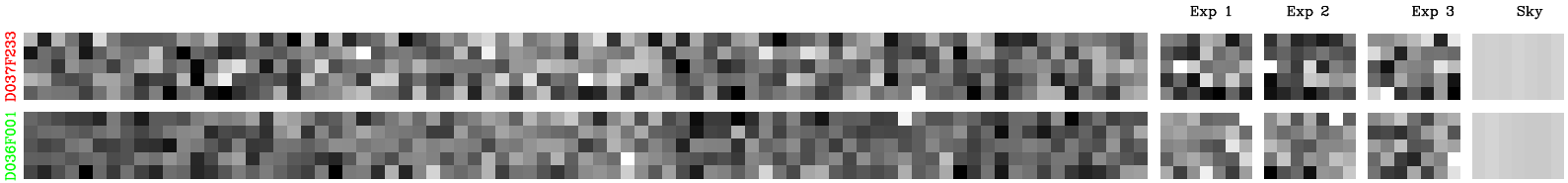
$FWHM_{obs}$ = 22.20Å

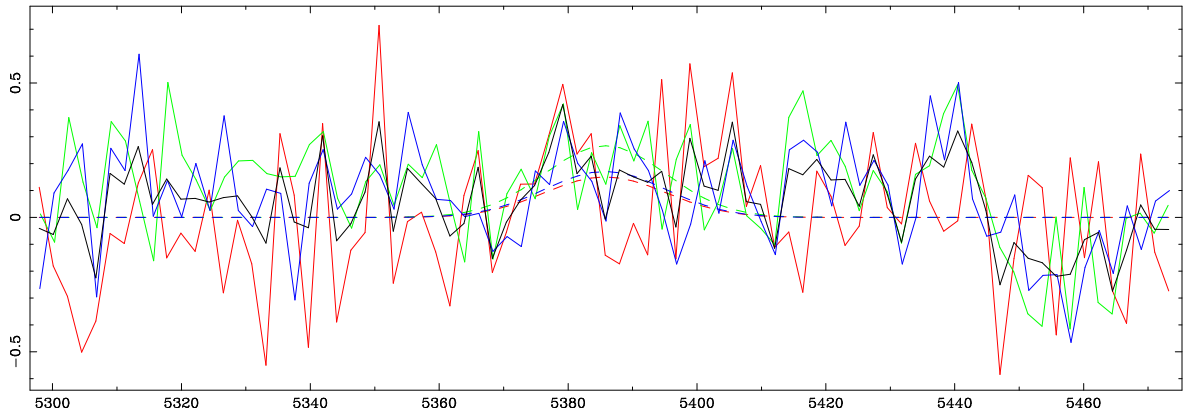
λ_{obs} = 4941.54Å

EW_{obs} = 10.42Å

α_{2000} = 189.0587°

δ_{2000} = 62.2242°





S/N = 5.65

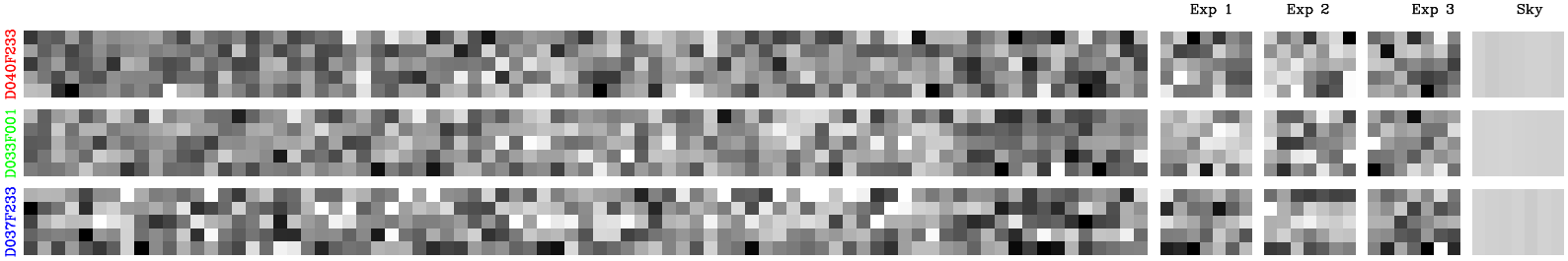
$FWHM_{obs}$ = 22.28Å

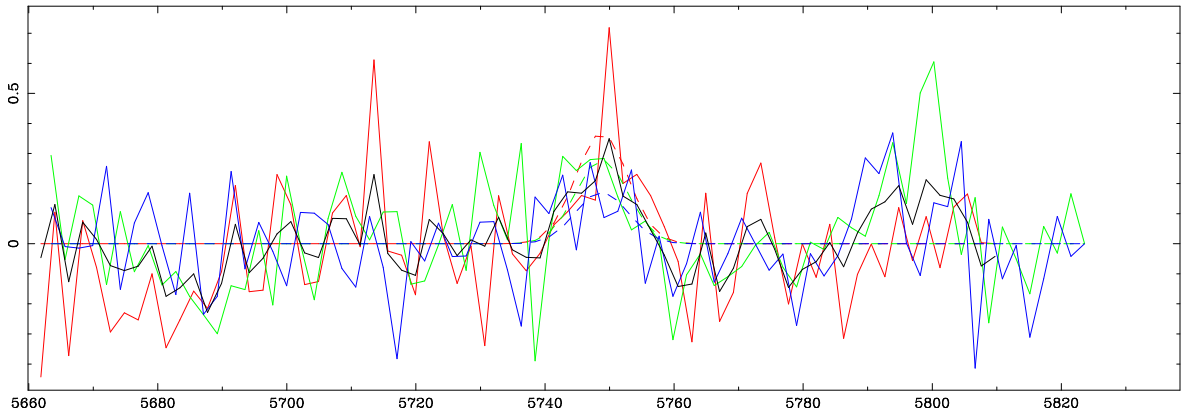
λ_{obs} = 5385.76Å

EW_{obs} = 6.88Å

α_{2000} = 189.0596°

δ_{2000} = 62.2240°





S/N = 5.18

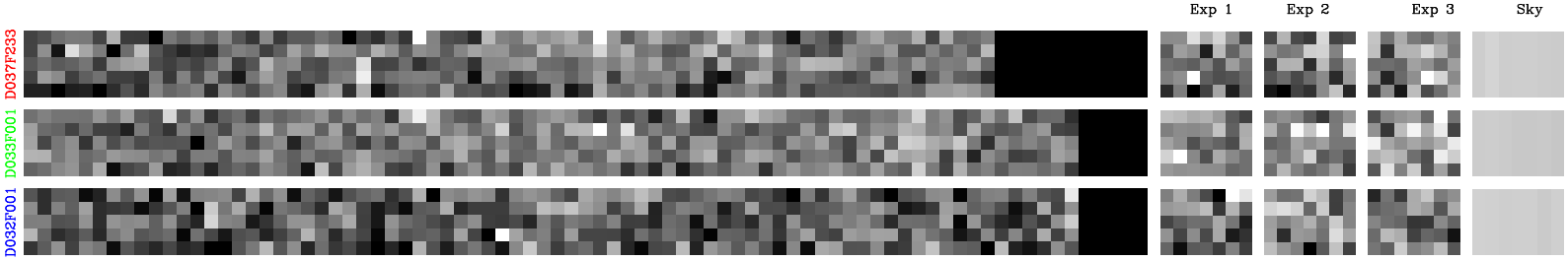
$FWHM_{obs}$ = 9.52Å

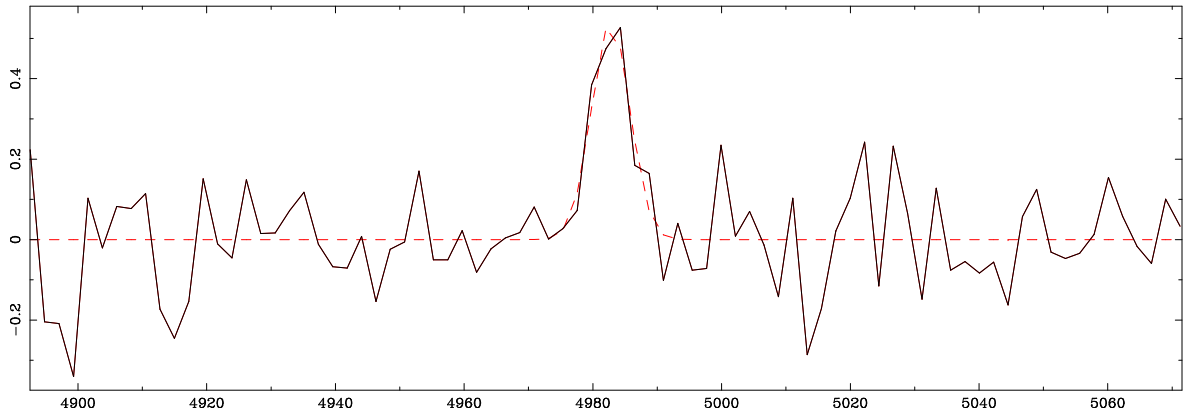
λ_{obs} = 5748.79Å

EW_{obs} = 3.06Å

α_{2000} = 189.0591°

δ_{2000} = 62.2243°





S/N = 5.86

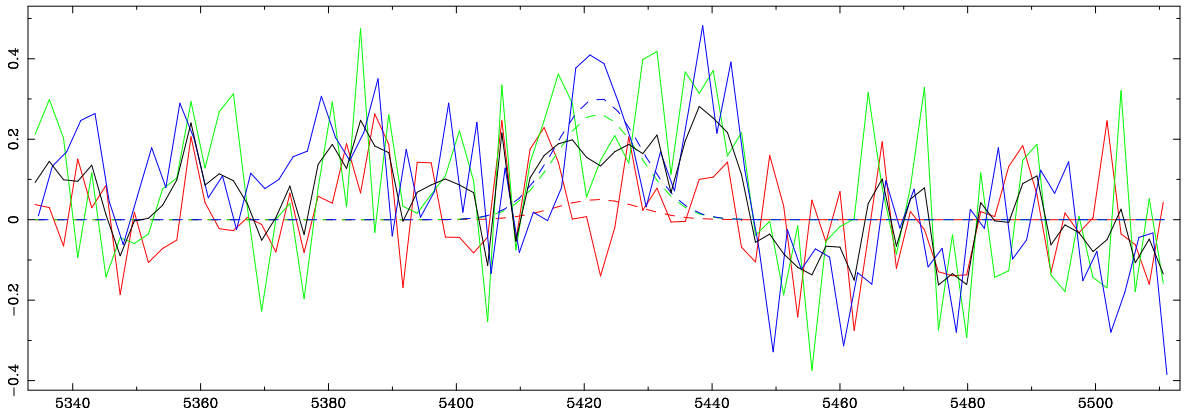
$FWHM_{obs}$ = 6.96Å

λ_{obs} = 4982.77Å

EW_{obs} = 38.74Å

α_{2000} = 189.0749°

δ_{2000} = 62.2494°



S/N = 7.37

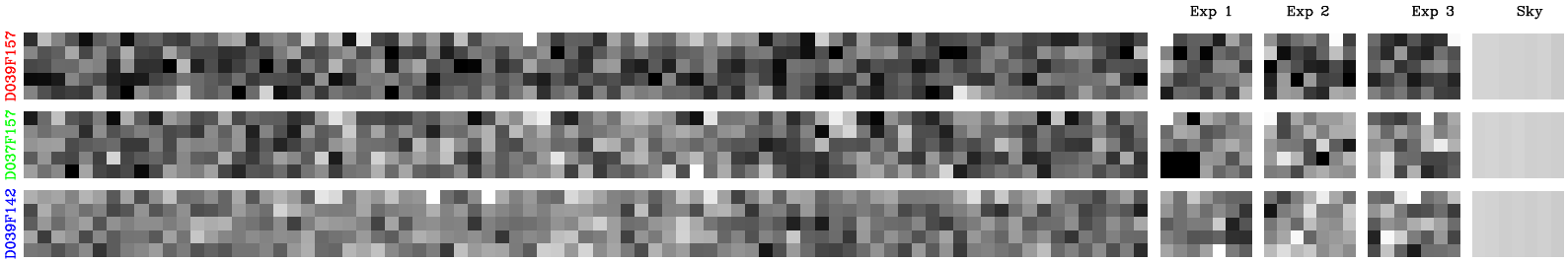
$FWHM_{obs}$ = 15.50Å

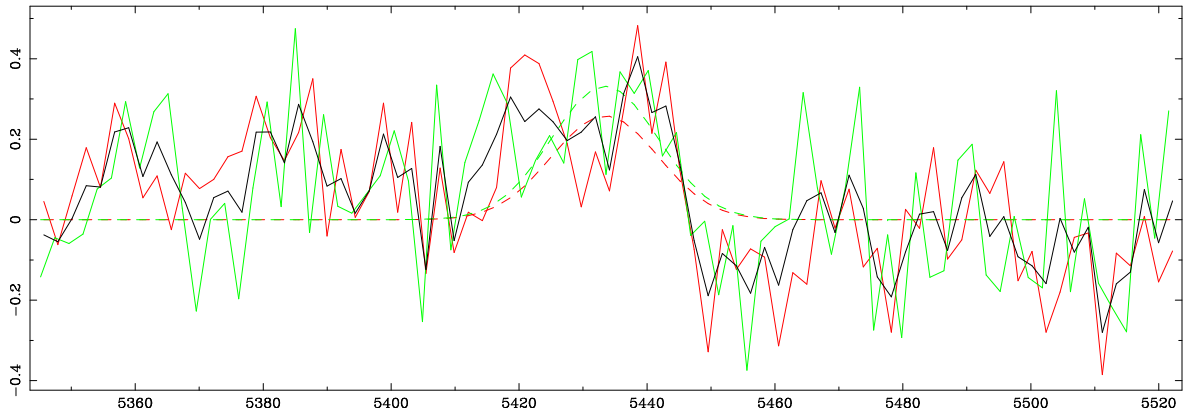
λ_{obs} = 5422.12Å

EW_{obs} = 6.14Å

α_{2000} = 189.1063°

δ_{2000} = 62.2346°





S/N = 8.15

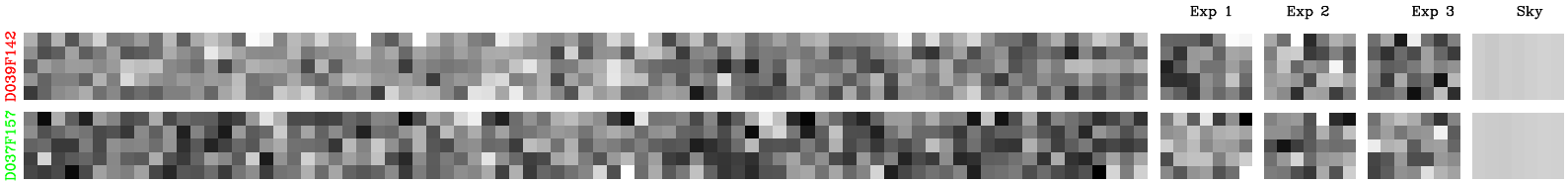
$FWHM_{obs}$ = 19.70Å

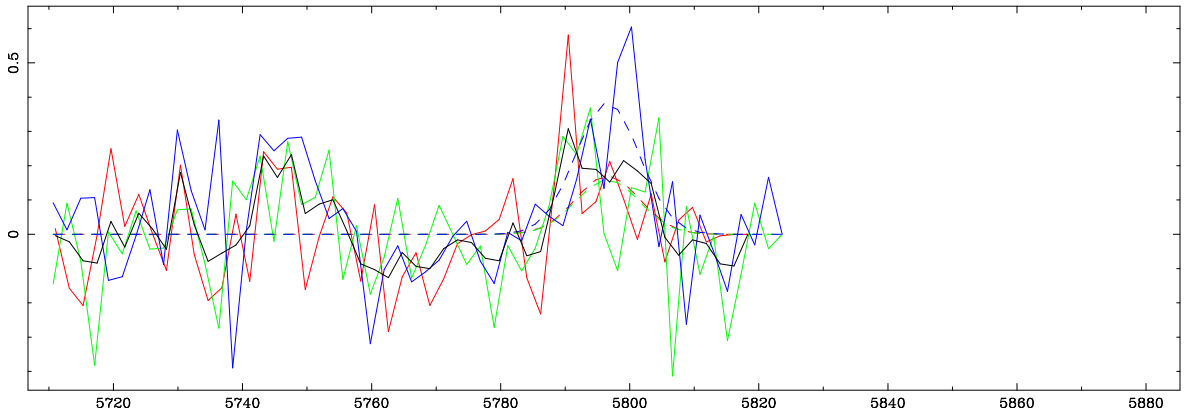
λ_{obs} = 5433.42Å

EW_{obs} = 6.92Å

α_{2000} = 189.1064°

δ_{2000} = 62.2347°





$S/N = 5.89$

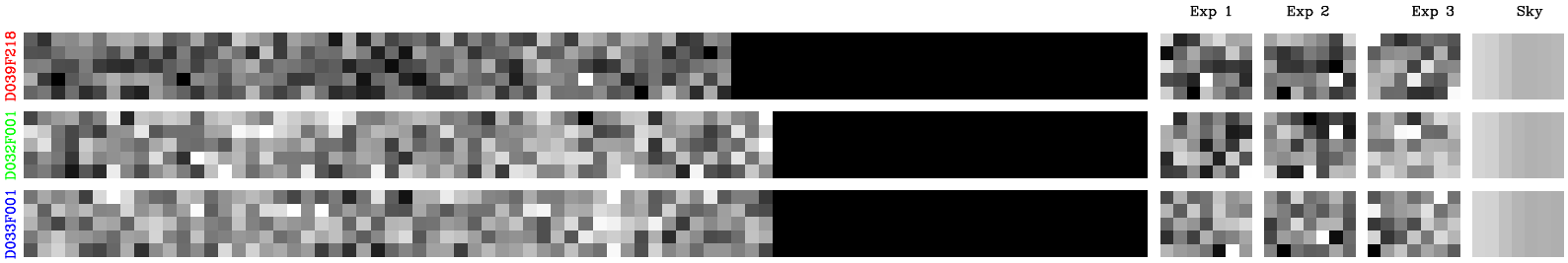
$FWHM_{obs} = 11.63Å$

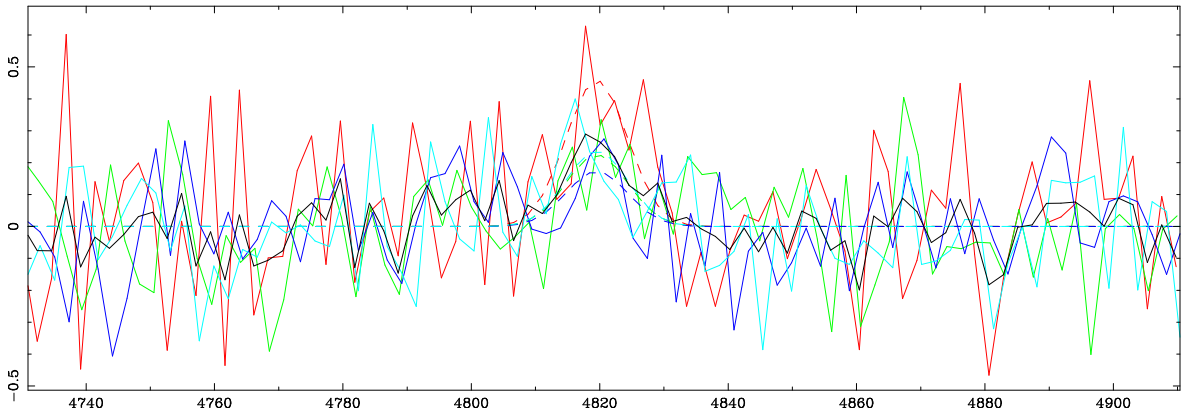
$\lambda_{obs} = 5796.56Å$

$EW_{obs} = 5.59Å$

$\alpha_{2000} = 189.0588°$

$\delta_{2000} = 62.2245°$





S/N = 5.13

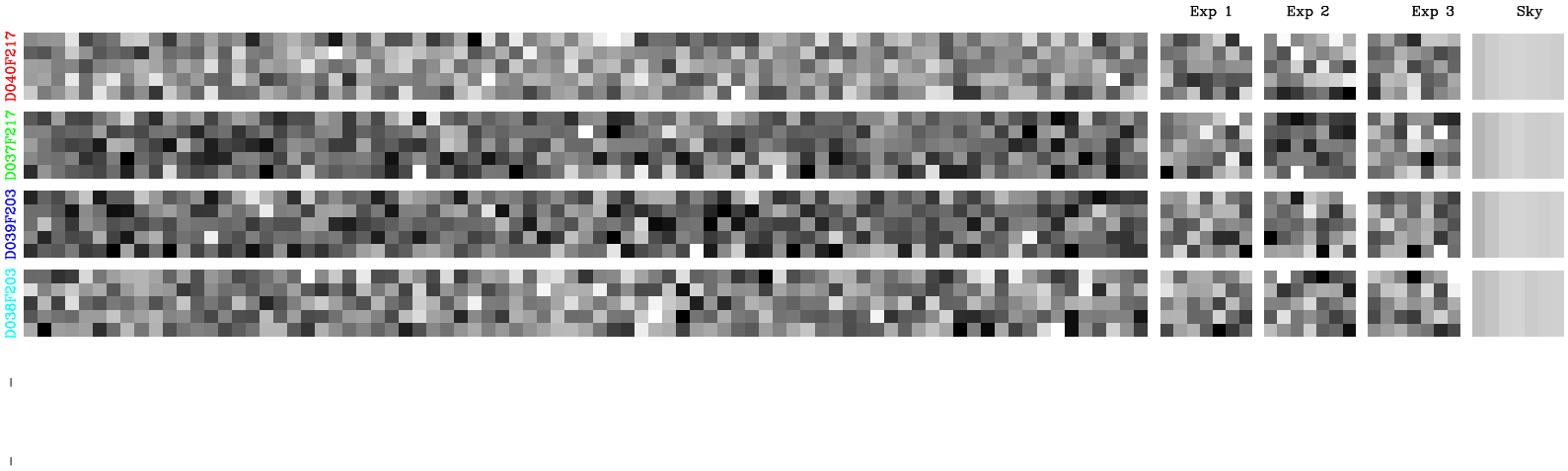
$FWHM_{obs}$ = 11.33Å

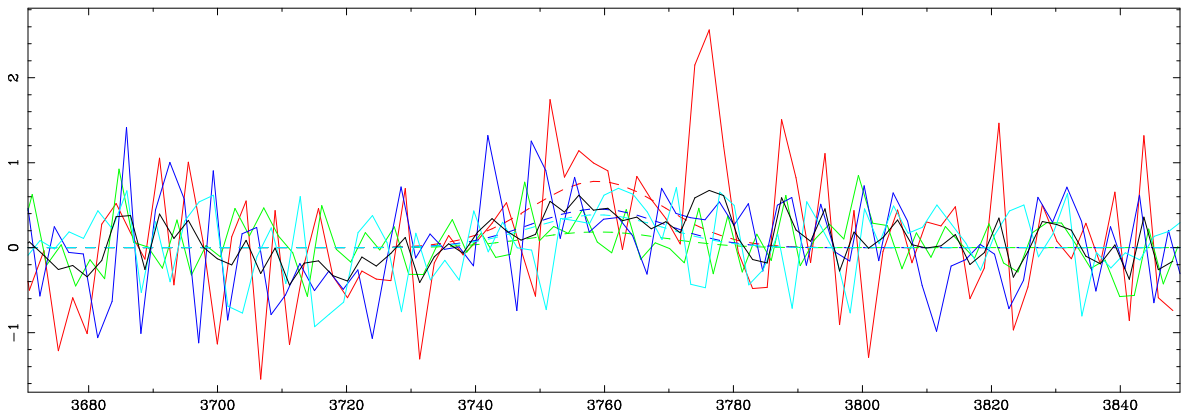
λ_{obs} = 4819.55Å

EW_{obs} > 70.07Å

α_{2000} = 189.1165°

δ_{2000} = 62.2273°





S/N = 5.34

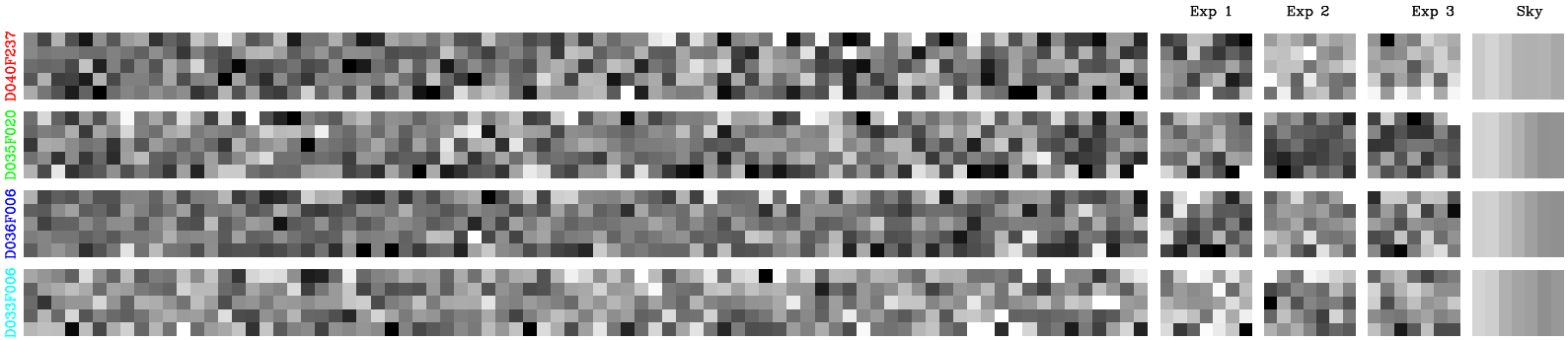
$FWHM_{obs}$ = 24.32Å

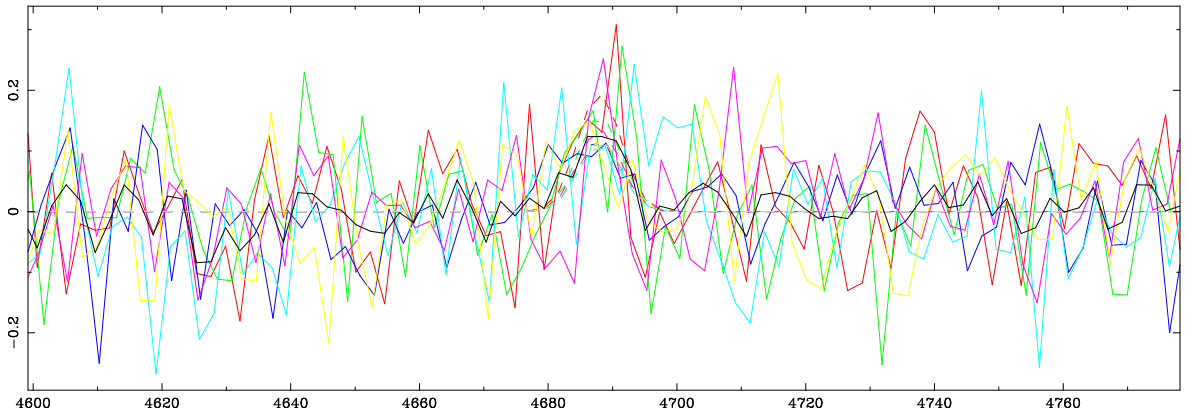
λ_{obs} = 3758.95Å

EW_{obs} > 95.25Å

α_{2000} = 189.0791°

δ_{2000} = 62.2237°





$S/N = 5.22$

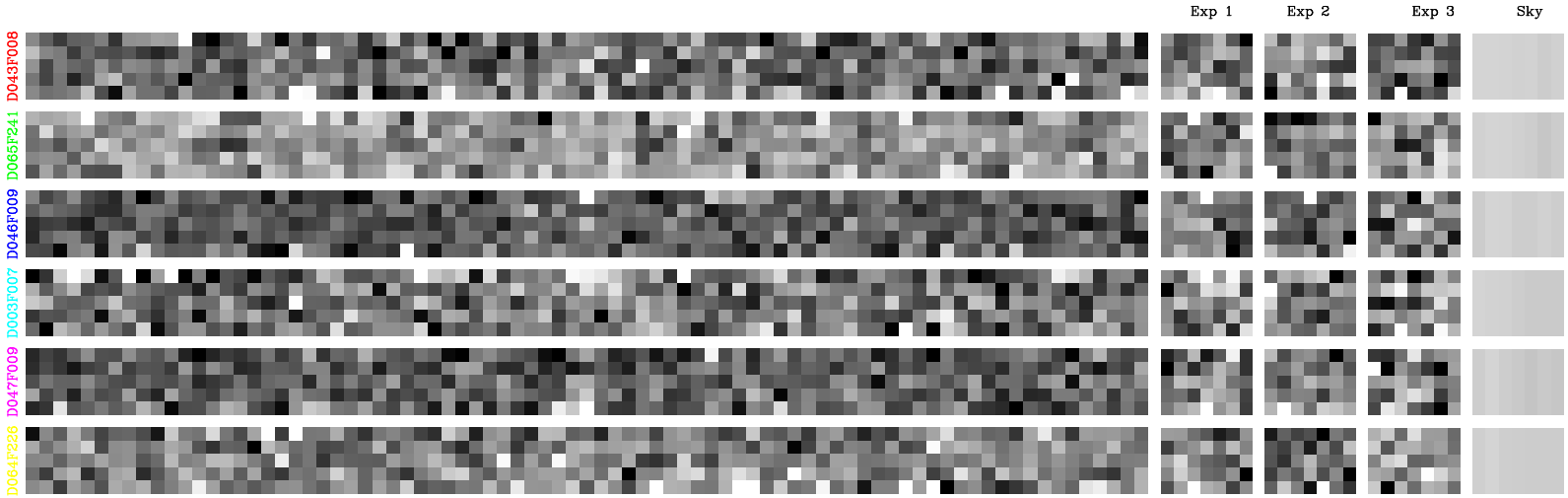
$FWHM_{obs} = 7.89$Å

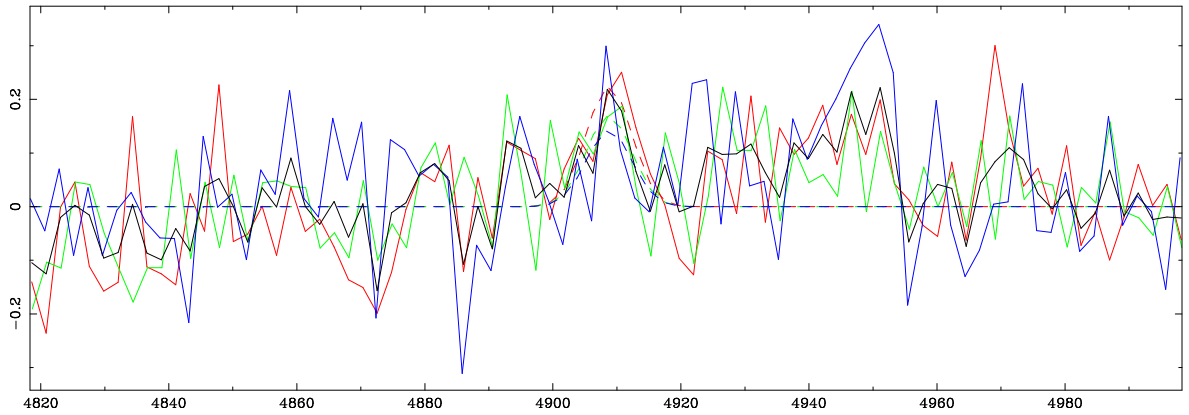
$\lambda_{obs} = 4687.96$Å

$EW_{obs} > 59.37$Å

$\alpha_{2000} = 189.2185°$

$\delta_{2000} = 62.2279°$





$S/N = 5.04$

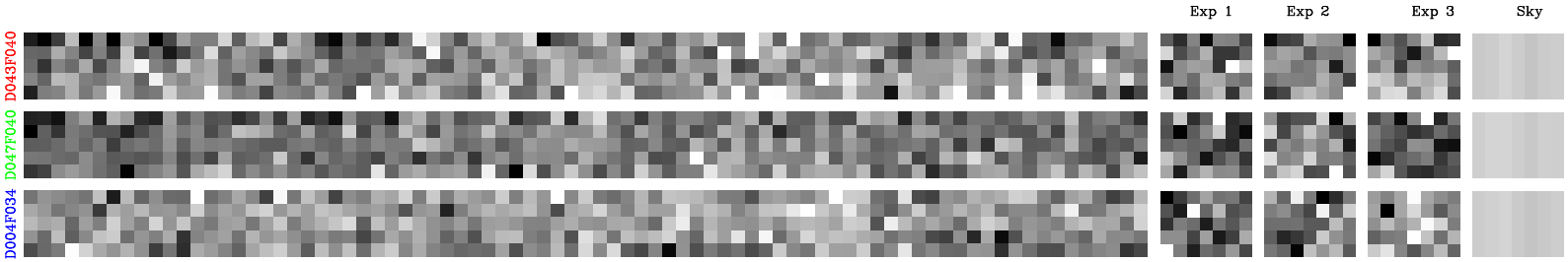
$FWHM_{obs} = 8.36Å$

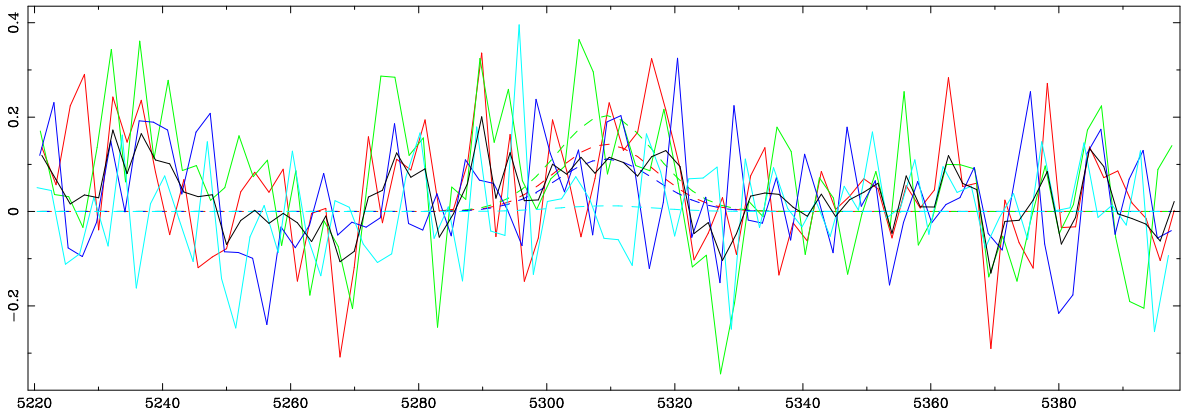
$\lambda_{obs} = 4908.77Å$

$EW_{obs} = 2.69Å$

$\alpha_{2000} = 189.2283°$

$\delta_{2000} = 62.2245°$





$S/N = 5.86$

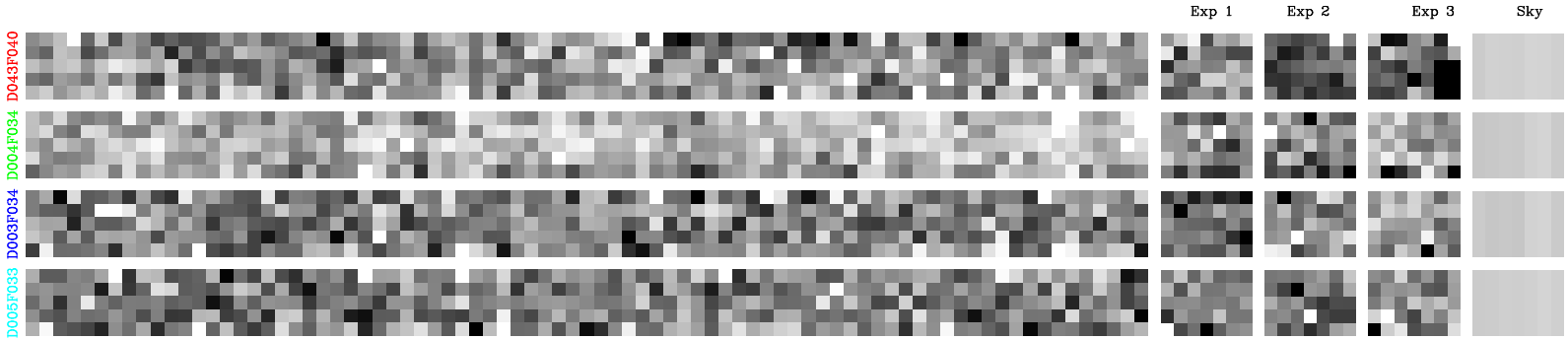
$FWHM_{obs} = 18.09Å$

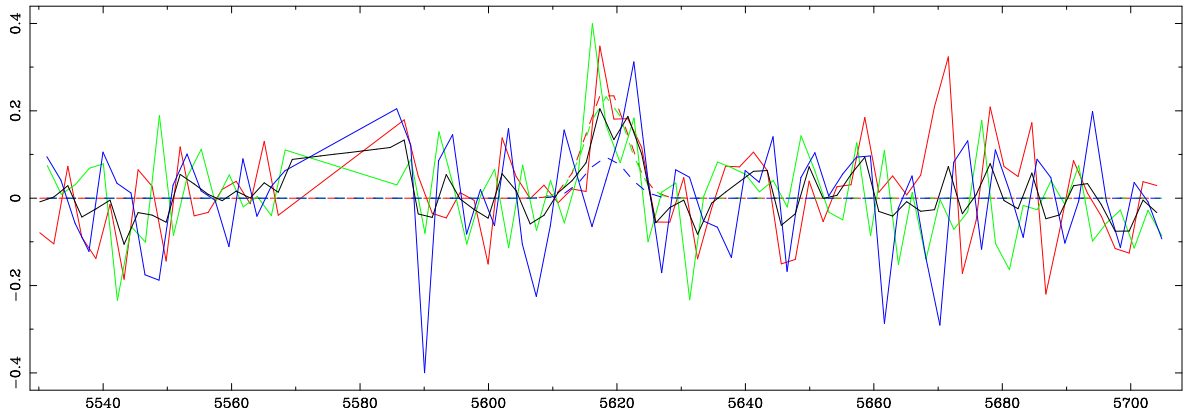
$\lambda_{obs} = 5309.27Å$

$EW_{obs} = 5.27Å$

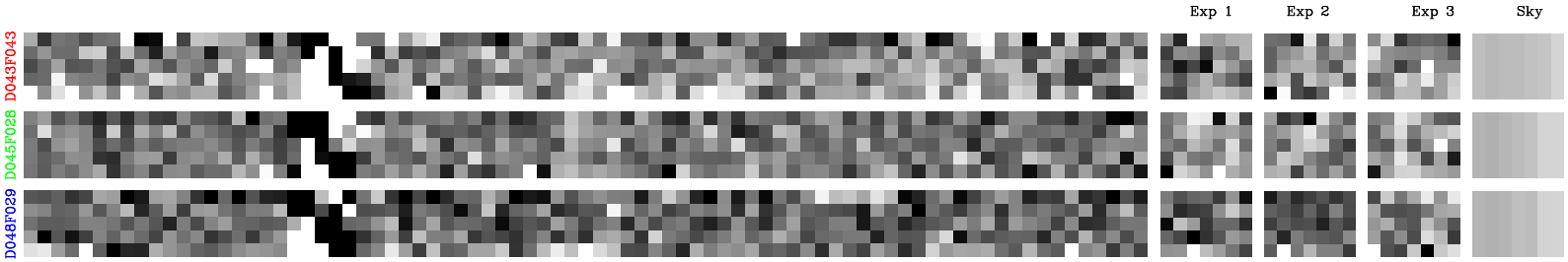
$\alpha_{2000} = 189.2287°$

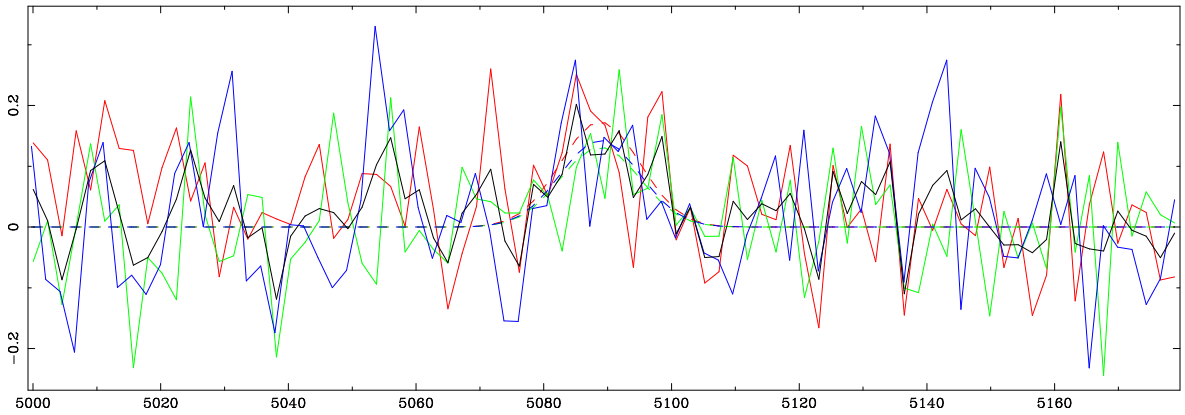
$\delta_{2000} = 62.2245°$





S/N = 5.08
$FWHM_{obs}$ = 7.45Å
λ_{obs} = 5618.43Å
EW_{obs} > 51.03Å
α_{2000} = 189.2409°
δ_{2000} = 62.2246°





S/N = 5.26

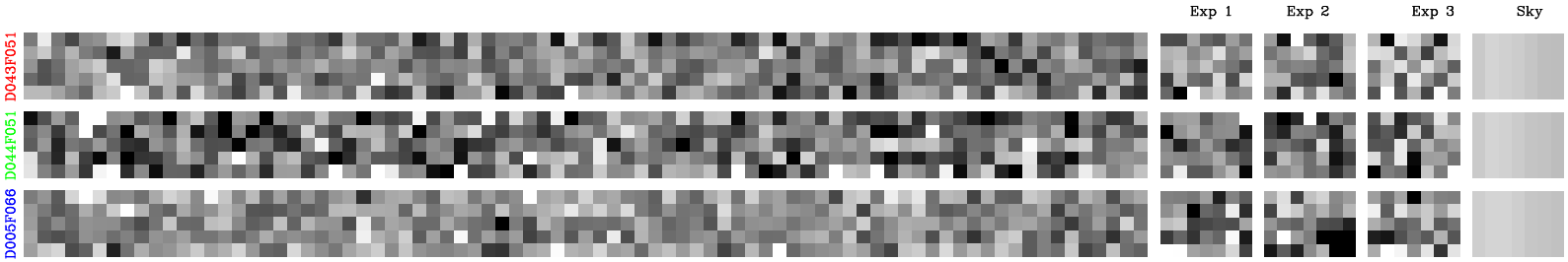
$FWHM_{obs}$ = 14.73Å

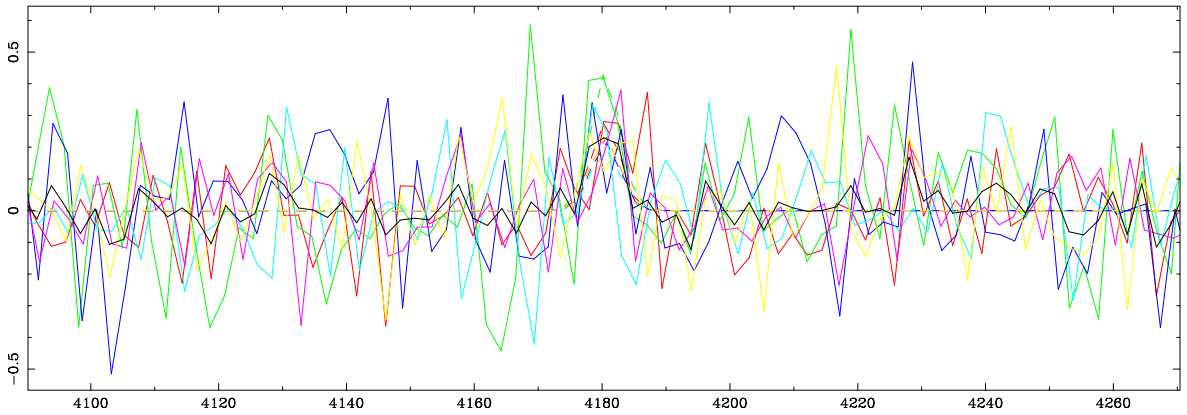
λ_{obs} = 5088.83Å

EW_{obs} = 6.13Å

α_{2000} = 189.2127°

δ_{2000} = 62.2222°





S/N = 5.14

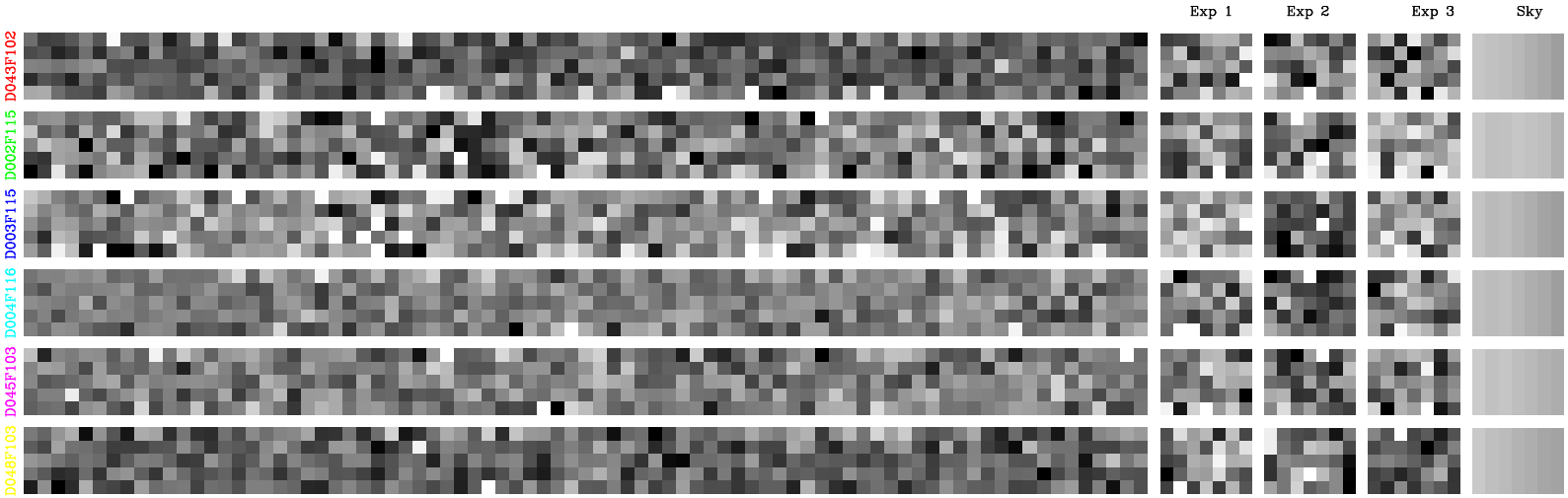
$FWHM_{obs}$ = 5.37Å

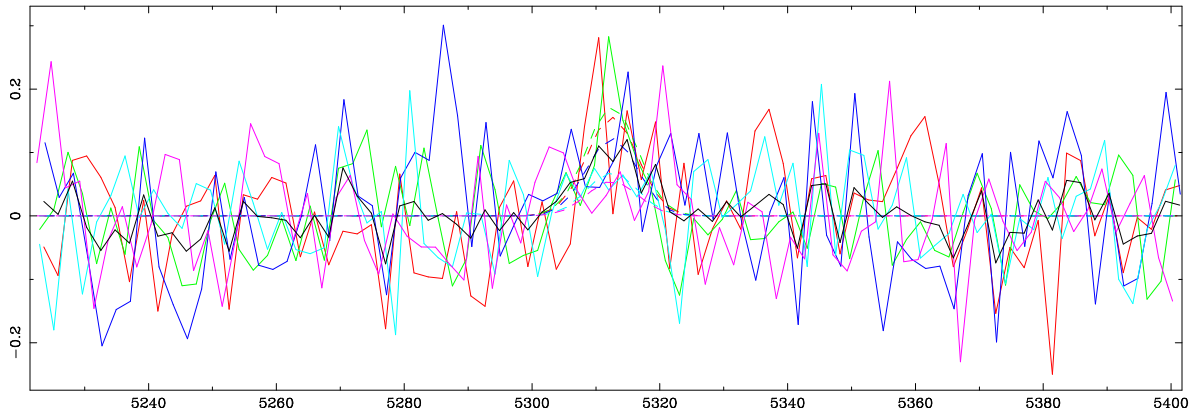
λ_{obs} = 4180.54Å

EW_{obs} > 53.59Å

α_{2000} = 189.1859°

δ_{2000} = 62.2154°





$S/N = 5.42$

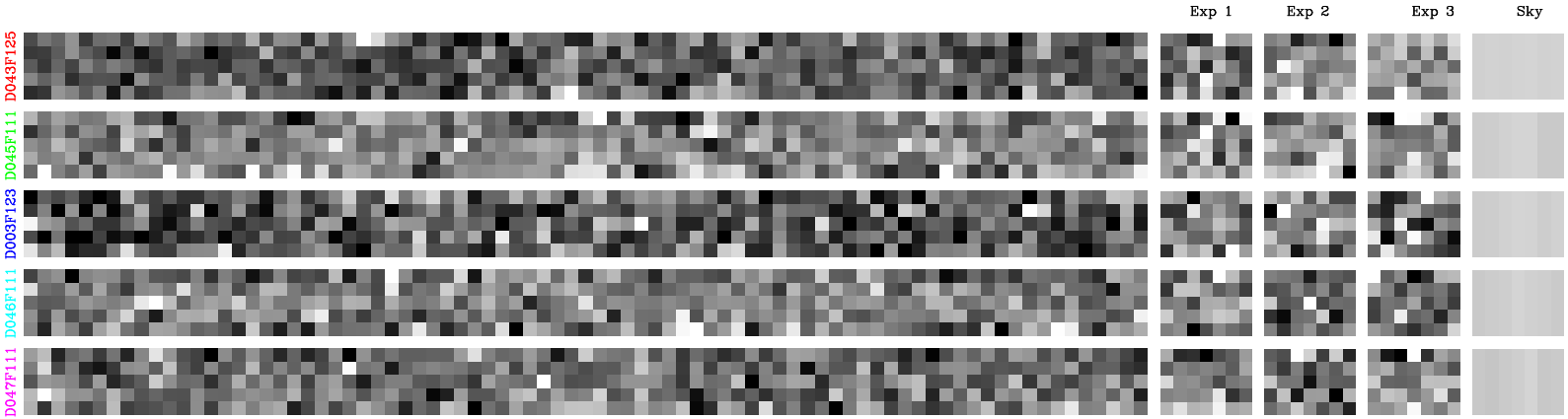
$FWHM_{obs} = 9.41$Å

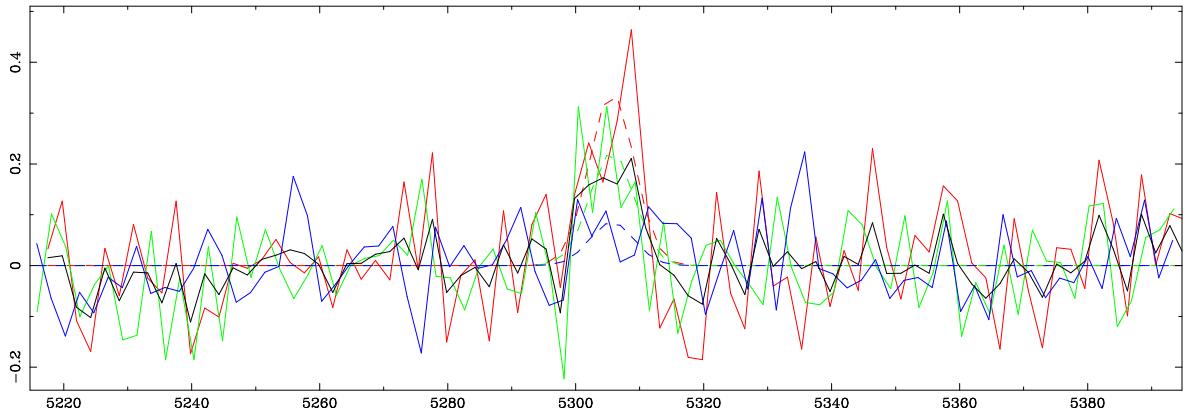
$\lambda_{obs} = 5312.53$Å

$EW_{obs} > 68.45$Å

$\alpha_{2000} = 189.2206°$

$\delta_{2000} = 62.2142°$





$S/N = 6.65$

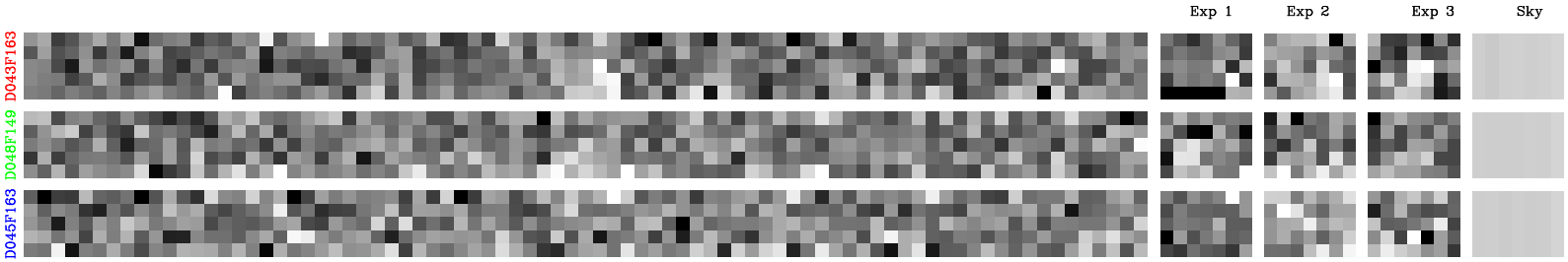
$FWHM_{obs} = 8.20$Å

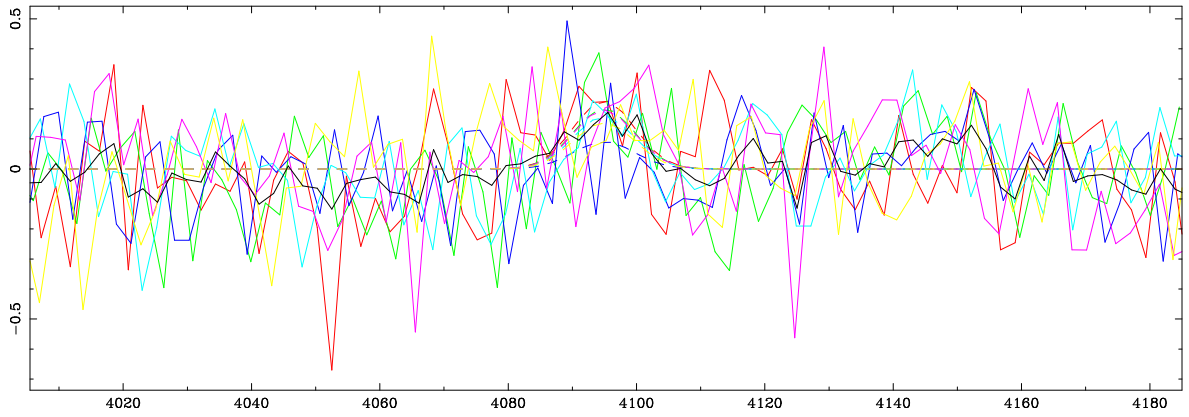
$\lambda_{obs} = 5305.65$Å

$EW_{obs} > 77.88$Å

$\alpha_{2000} = 189.1964°$

$\delta_{2000} = 62.2088°$





$S/N = 5.33$

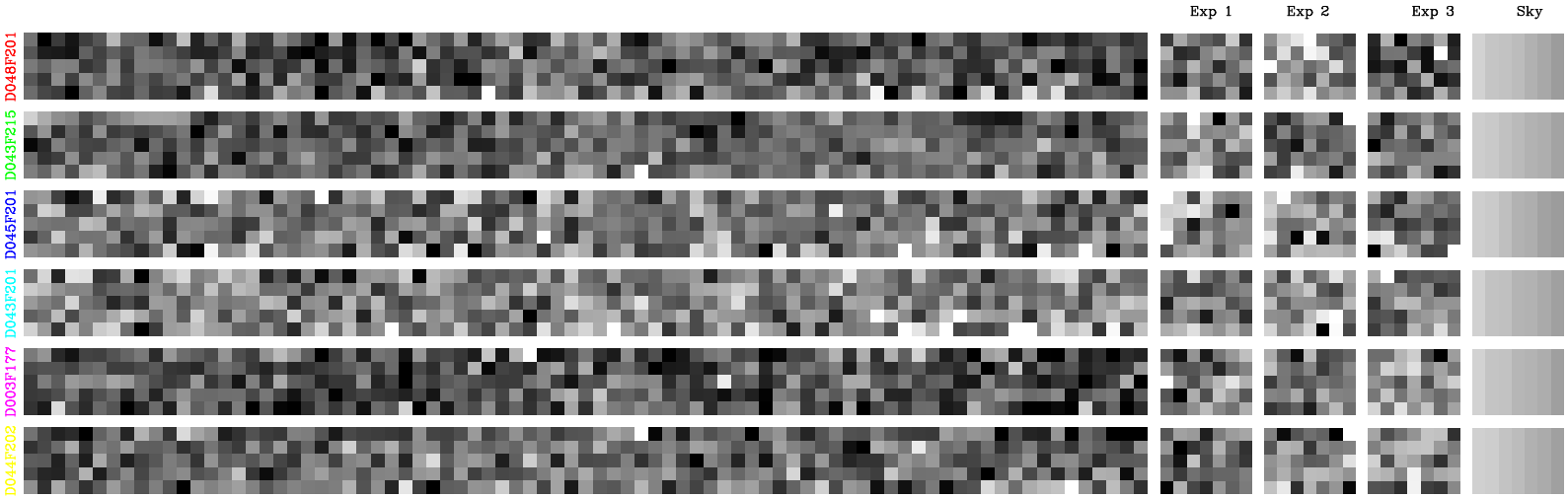
$FWHM_{obs} = 11.21$Å

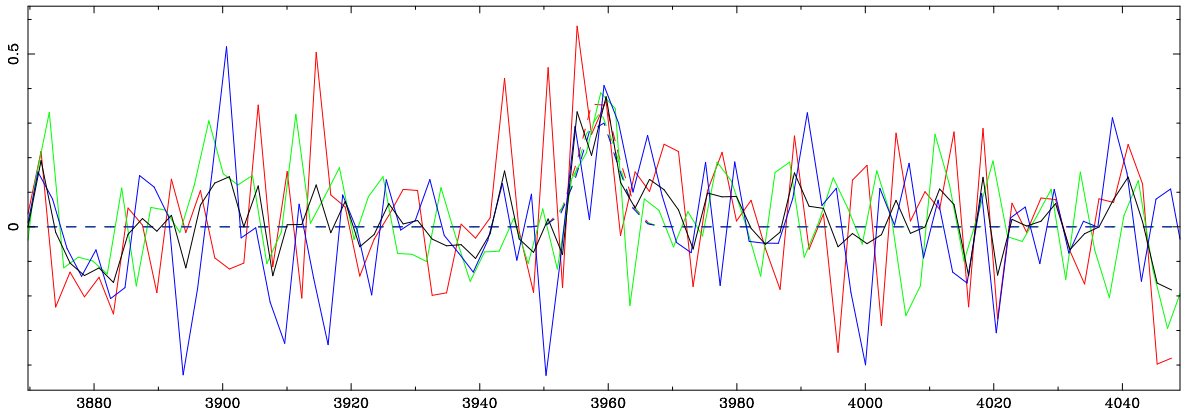
$\lambda_{obs} = 4094.93$Å

$EW_{obs} > 65.11$Å

$\alpha_{2000} = 189.2346°$

$\delta_{2000} = 62.2042°$





$S/N = 5.15$

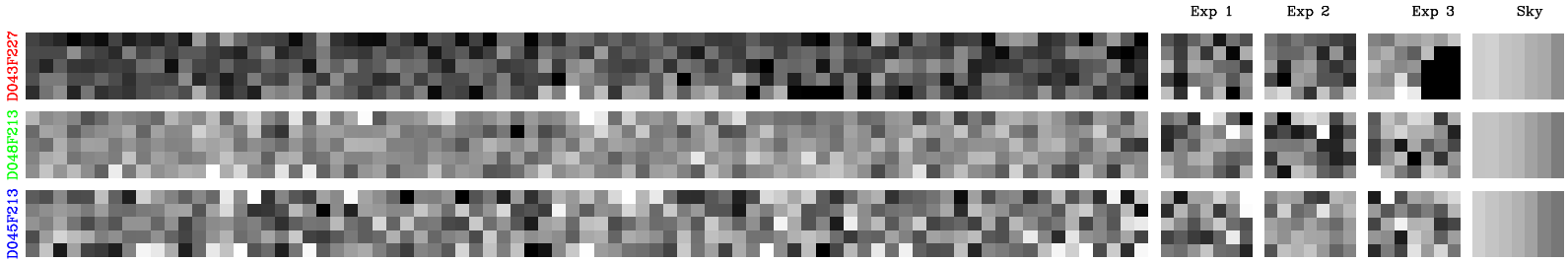
$FWHM_{obs} = 6.72Å$

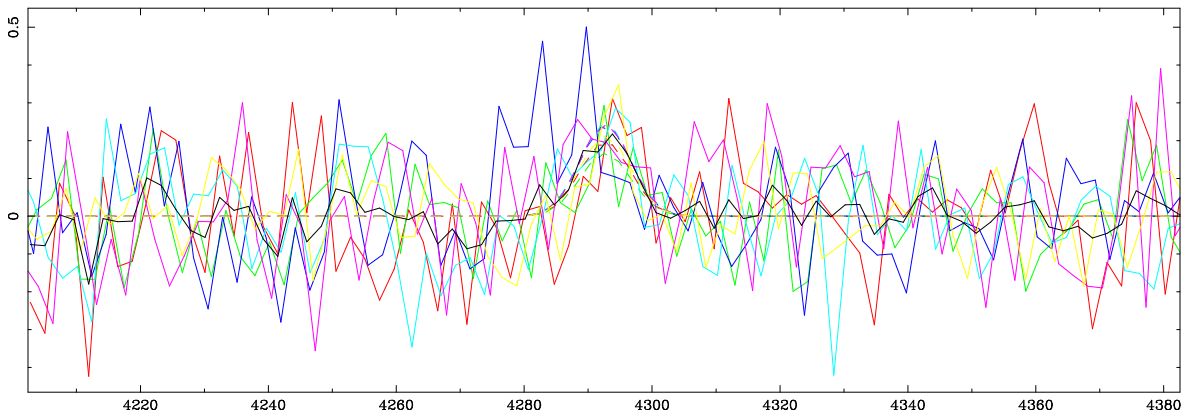
$\lambda_{obs} = 3958.51Å$

$EW_{obs} > 56.01Å$

$\alpha_{2000} = 189.2226°$

$\delta_{2000} = 62.2020°$





S/N = 6.61

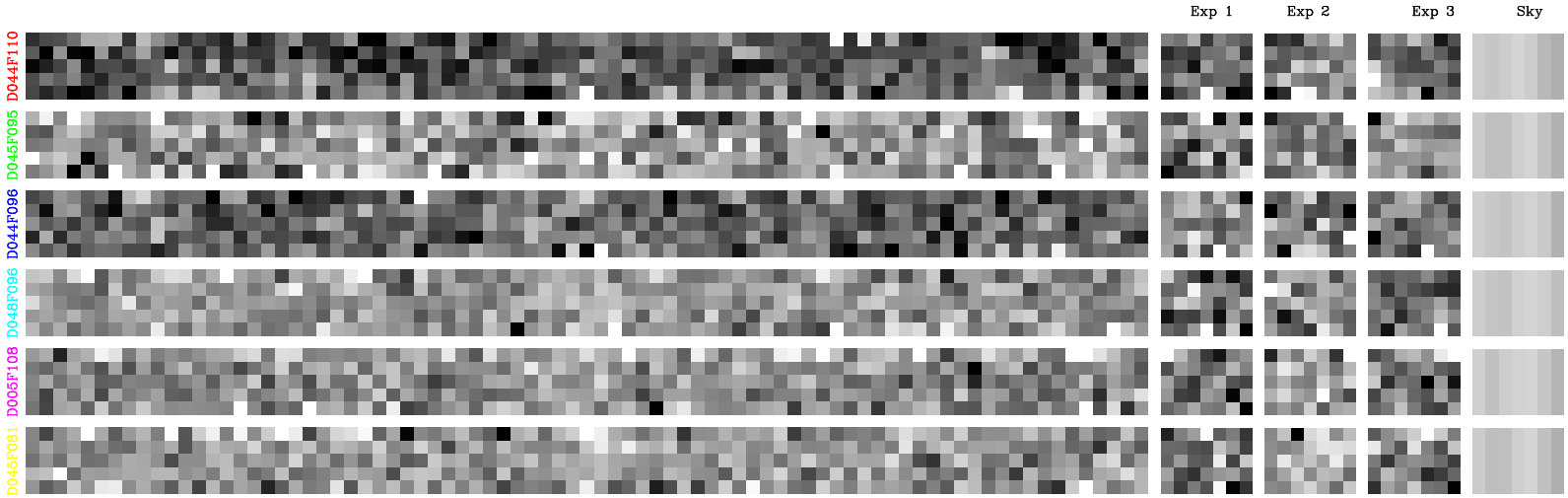
$FWHM_{obs}$ = 9.31Å

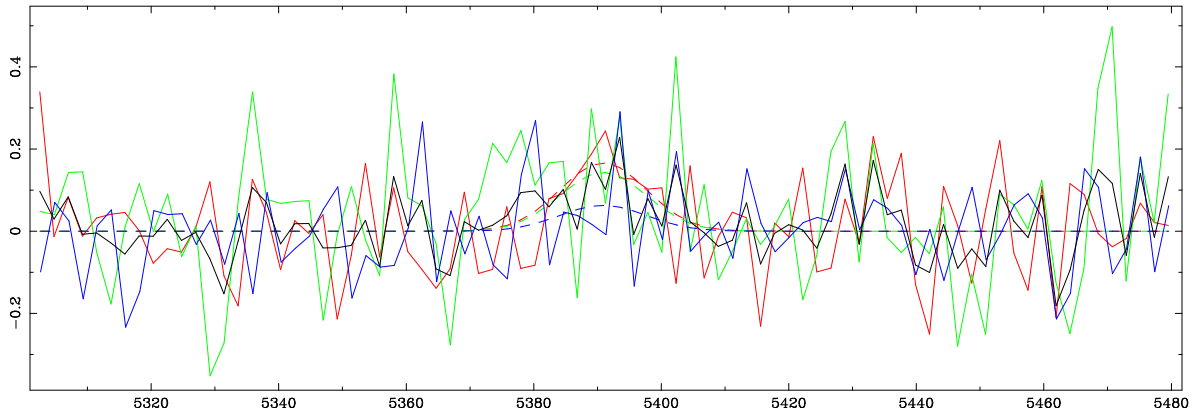
λ_{obs} = 4292.69Å

EW_{obs} > 78.51Å

α_{2000} = 189.2176°

δ_{2000} = 62.2164°





S/N = 5.00

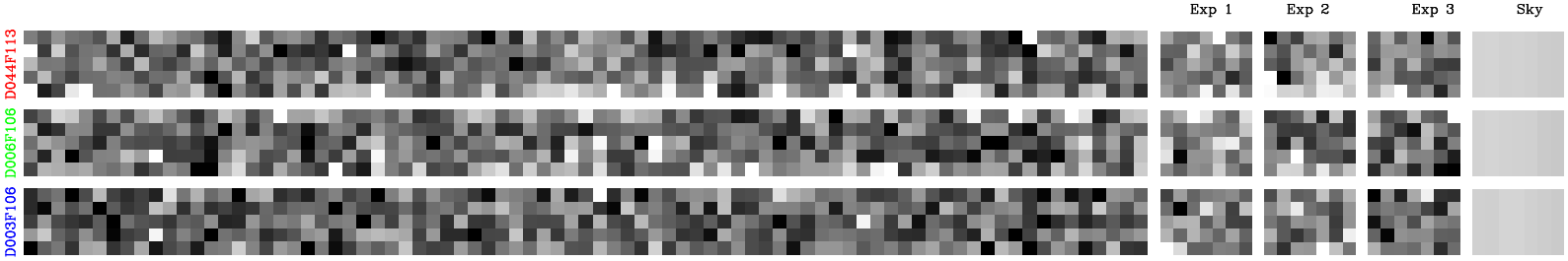
$FWHM_{obs}$ = 15.99Å

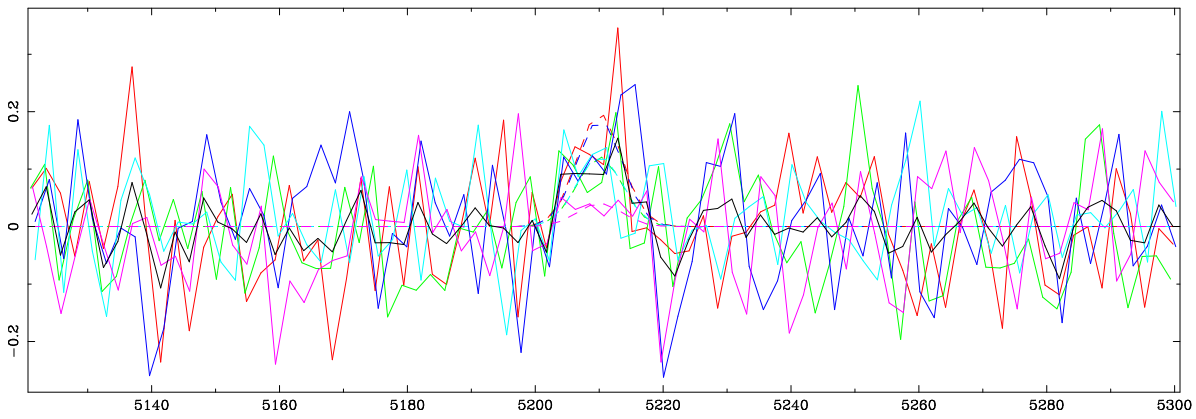
λ_{obs} = 5390.89Å

EW_{obs} > 70.80Å

α_{2000} = 189.2287°

δ_{2000} = 62.2148°





S/N = 5.06

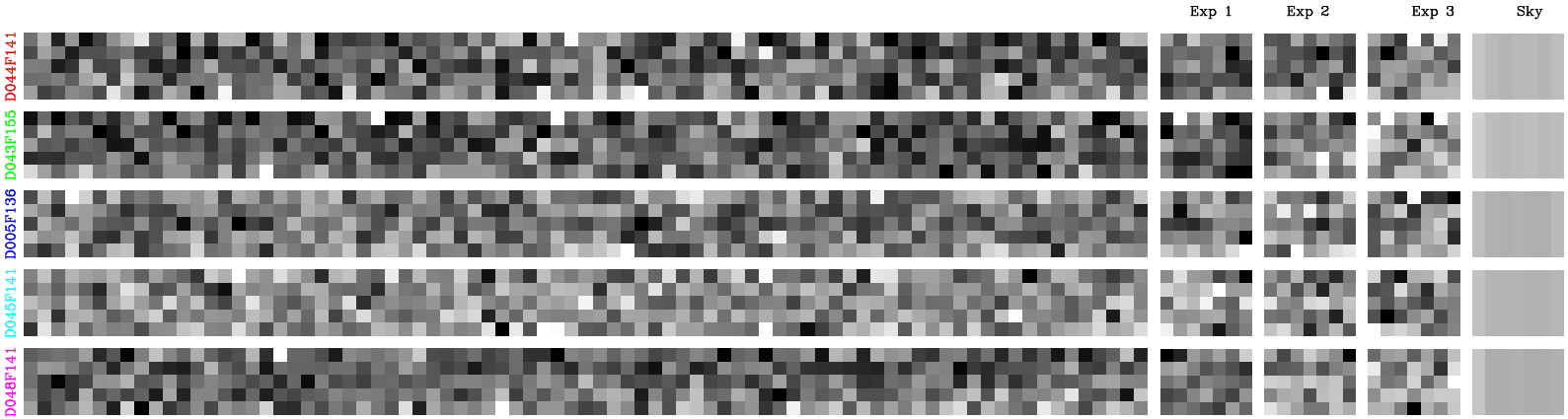
$FWHM_{obs}$ = 8.30Å

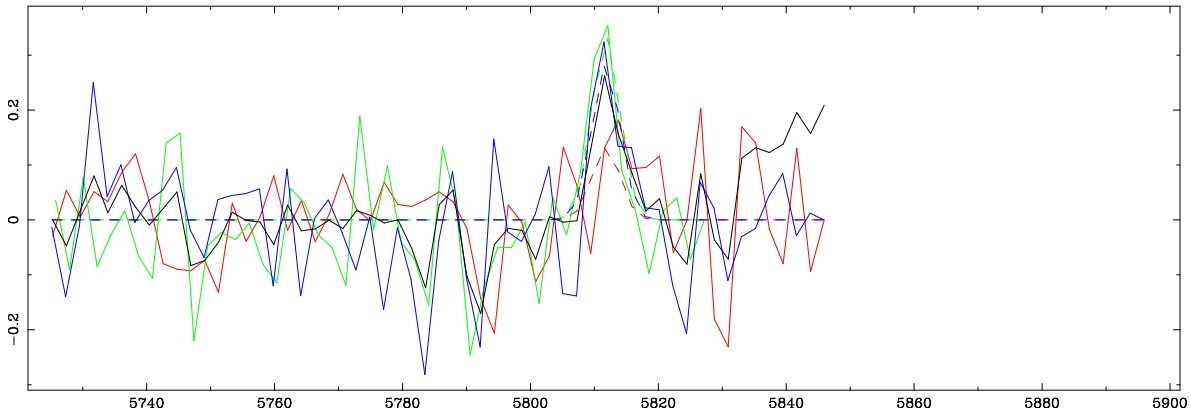
λ_{obs} = 5210.06Å

EW_{obs} > 58.71Å

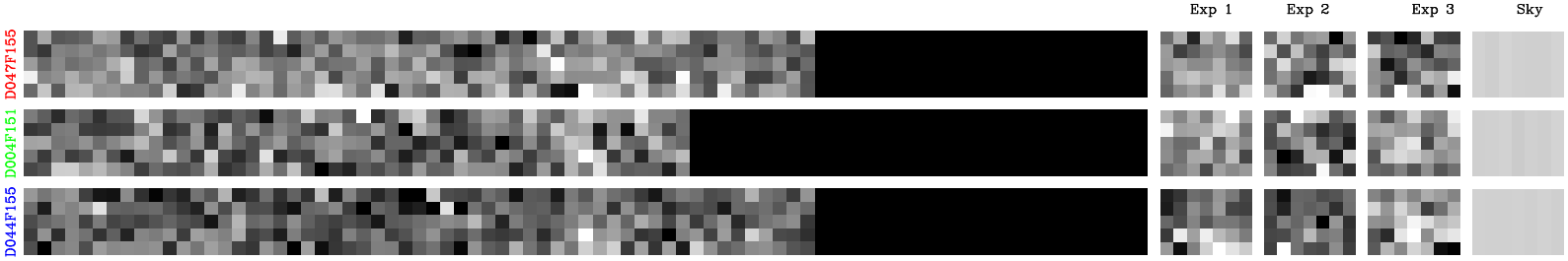
α_{2000} = 189.2244°

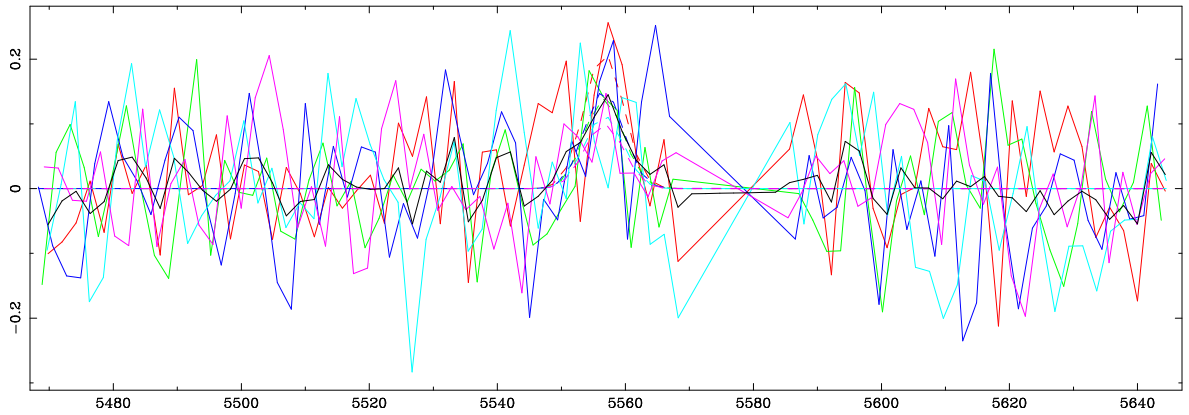
δ_{2000} = 62.2113°





S/N = 5.12
$FWHM_{obs}$ = 5.21Å
λ_{obs} = 5811.82Å
EW_{obs} = 21.17Å
α_{2000} = 189.2227°
δ_{2000} = 62.2098°





S/N = 5.08

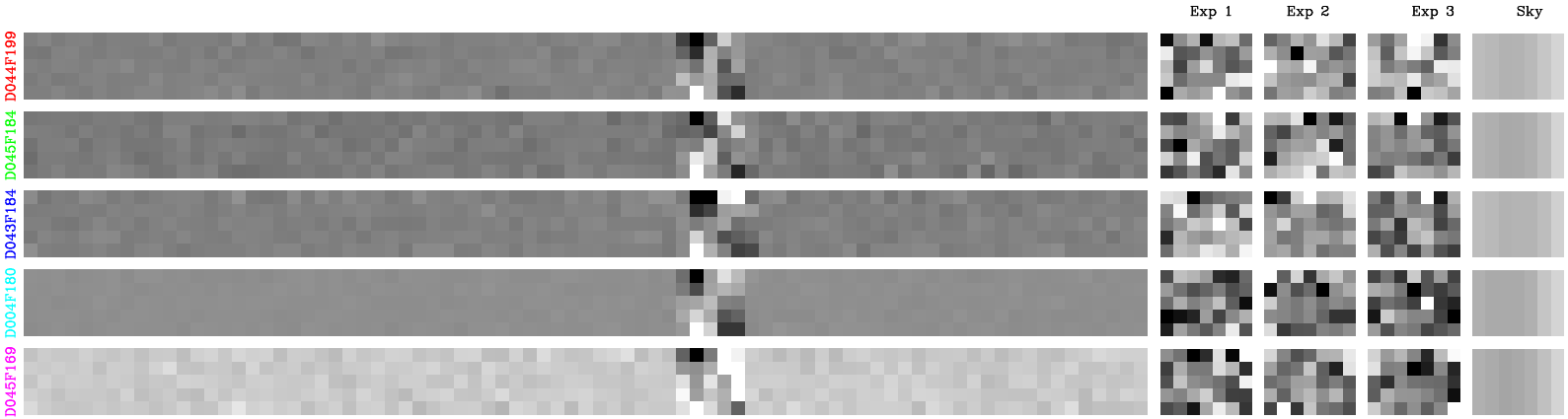
$FWHM_{obs}$ = 7.17Å

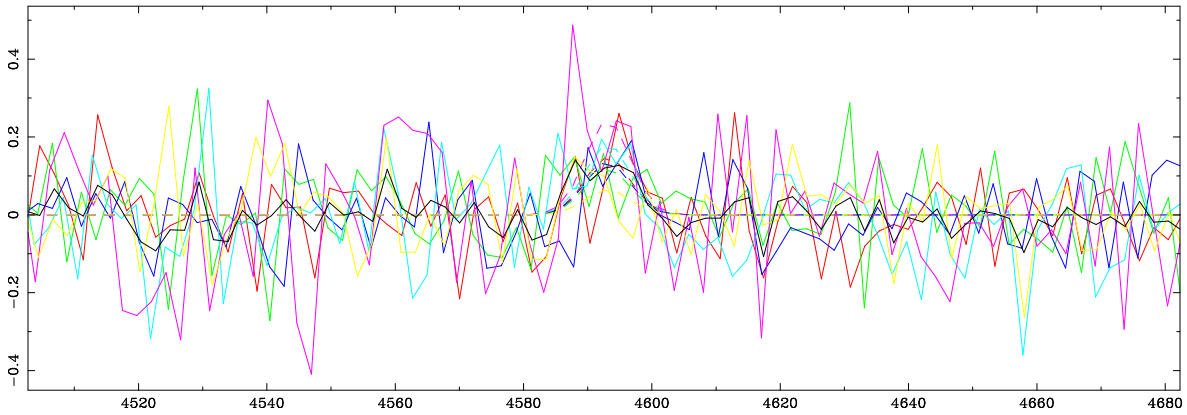
λ_{obs} = 5556.65Å

EW_{obs} > 54.82Å

α_{2000} = 189.2236°

δ_{2000} = 62.2058°





S/N = 5.28

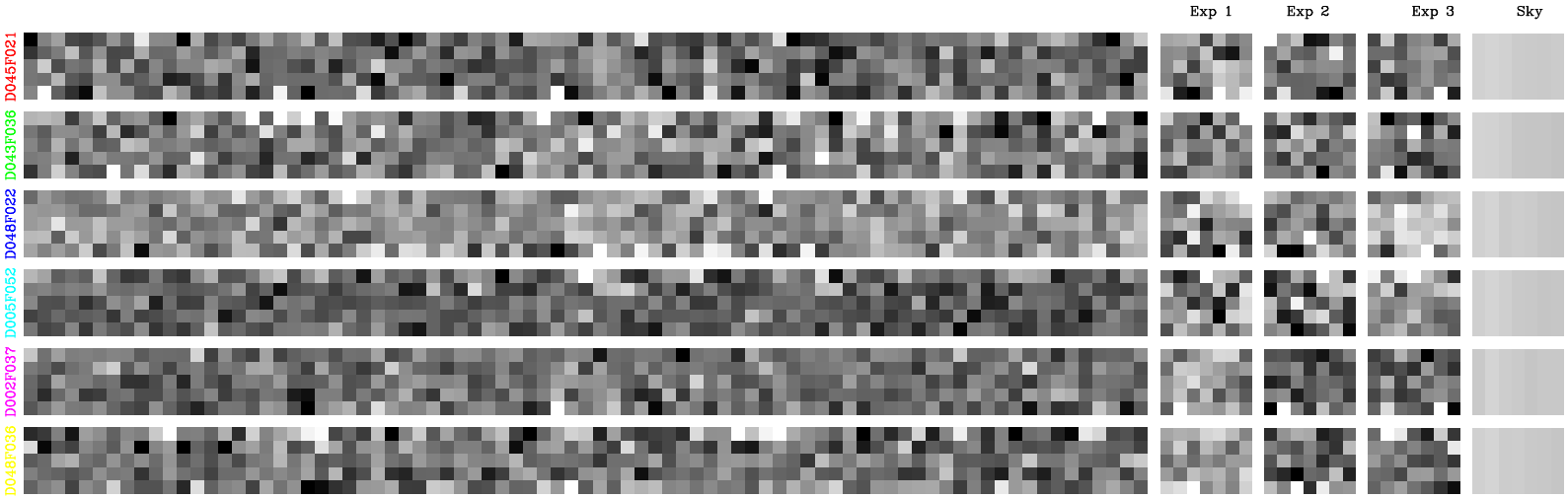
$FWHM_{obs}$ = 8.33Å

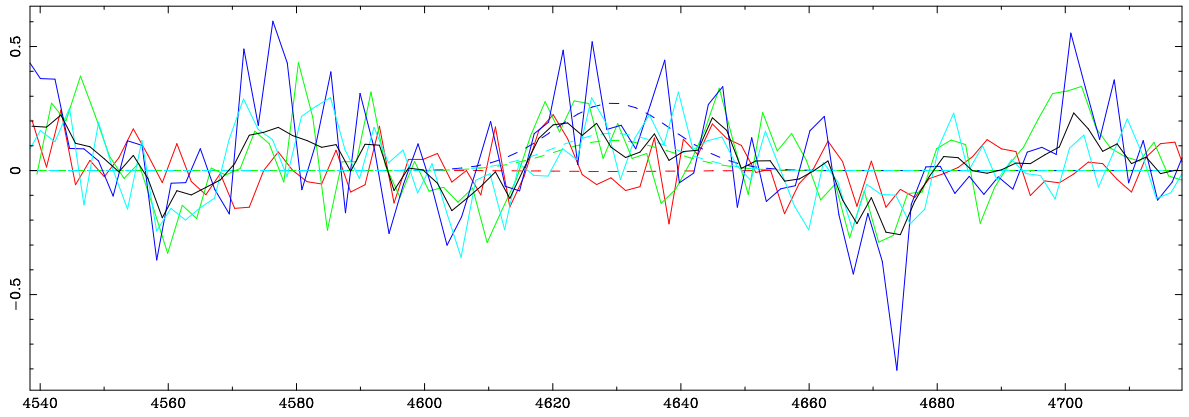
λ_{obs} = 4593.11Å

EW_{obs} > 58.53Å

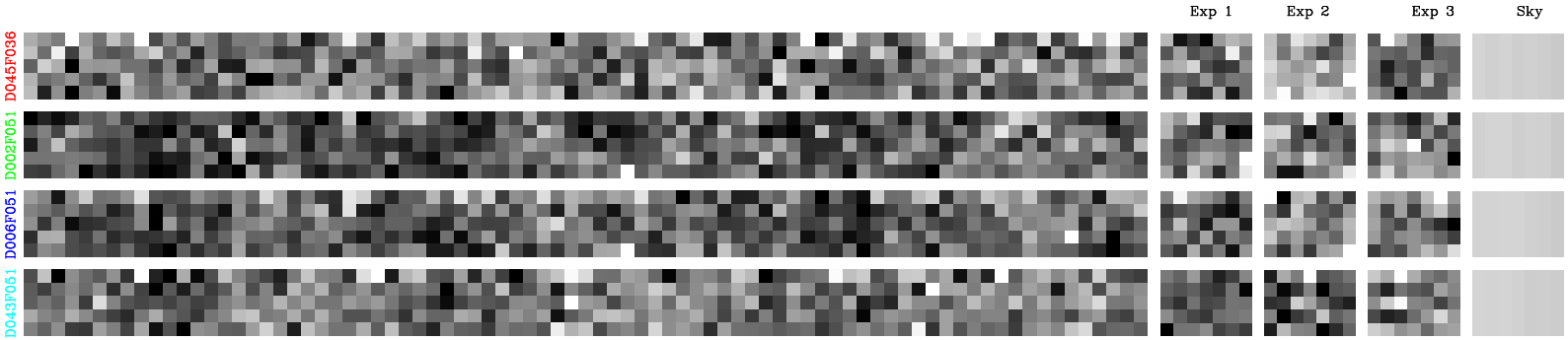
α_{2000} = 189.2110°

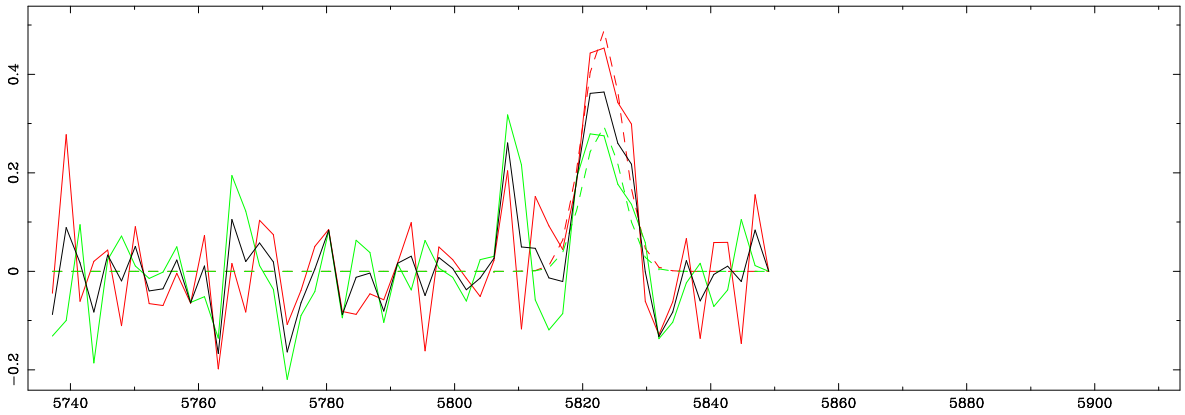
δ_{2000} = 62.2245°





S/N = 5.72
$FWHM_{obs}$ = 21.61Å
λ_{obs} = 4629.41Å
EW_{obs} = 7.18Å
α_{2000} = 189.2143°
δ_{2000} = 62.2227°





$S/N = 8.62$

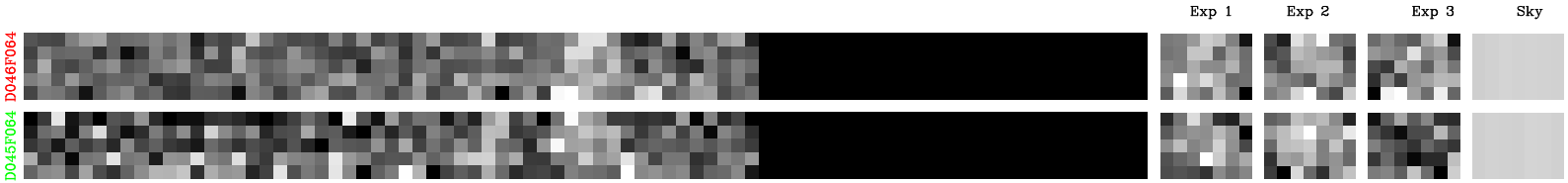
$FWHM_{obs} = 7.24$Å

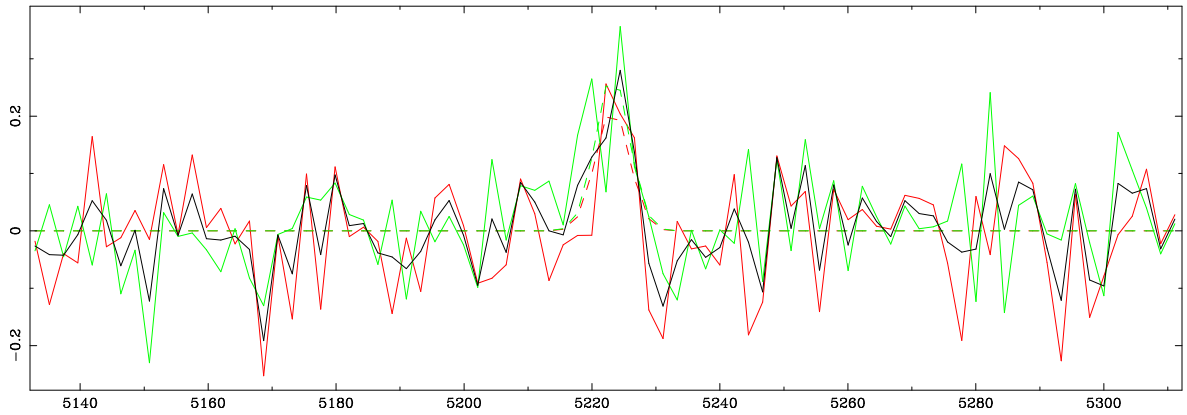
$\lambda_{obs} = 5823.11$Å

$EW_{obs} > 70.71$Å

$\alpha_{2000} = 189.2077°$

$\delta_{2000} = 62.2202°$





S/N = 5.41

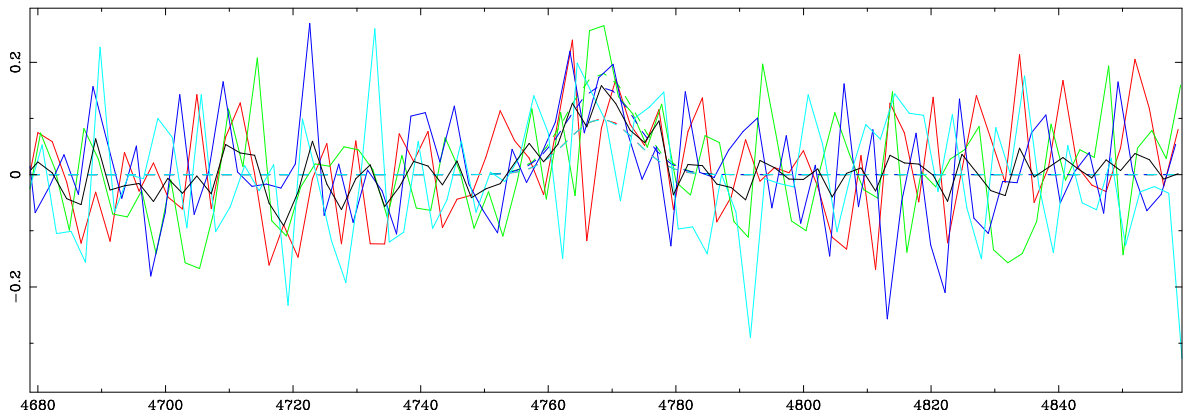
$FWHM_{obs}$ = 6.19Å

λ_{obs} = 5223.21Å

EW_{obs} > 51.00Å

α_{2000} = 189.1883°

δ_{2000} = 62.2185°



S/N = 5.47

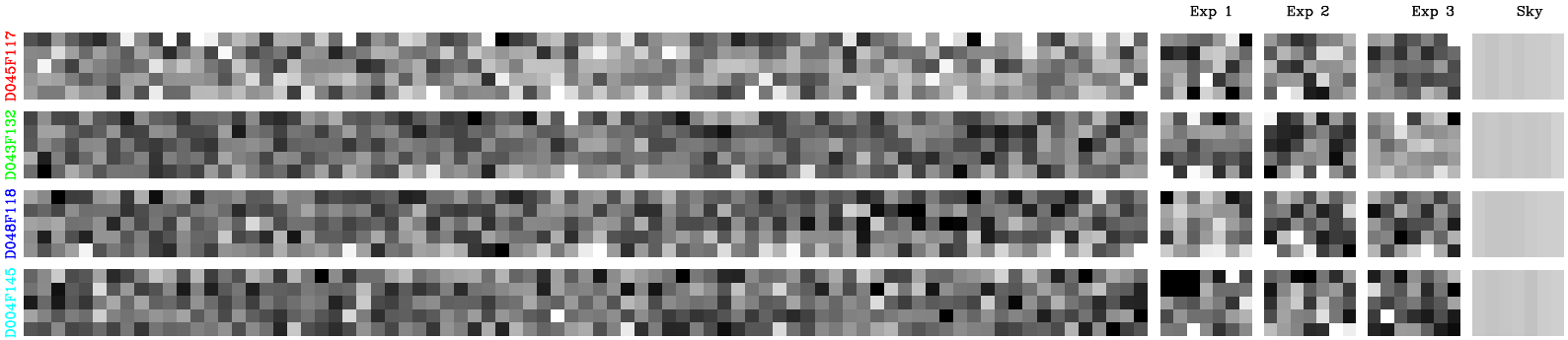
$FWHM_{obs}$ = 12.54Å

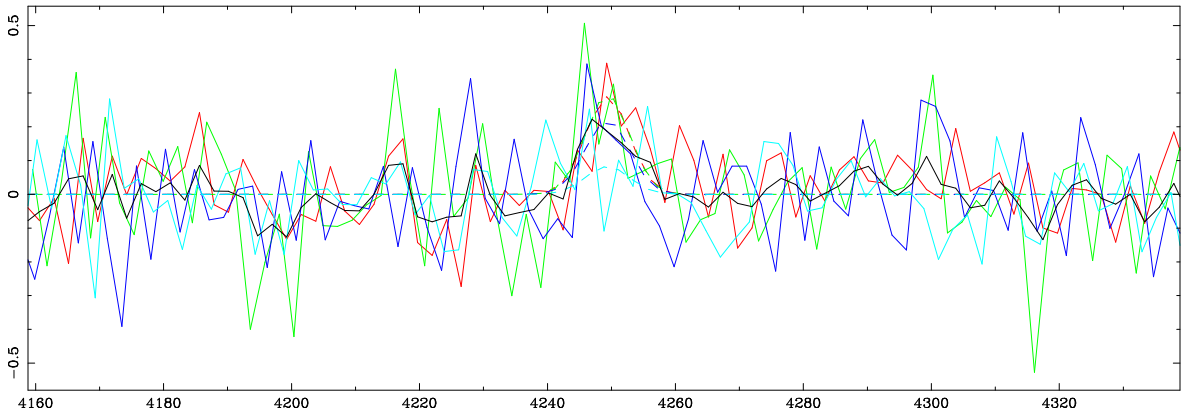
λ_{obs} = 4768.32Å

EW_{obs} > 73.17Å

α_{2000} = 189.1869°

δ_{2000} = 62.2126°





S/N = 5.01

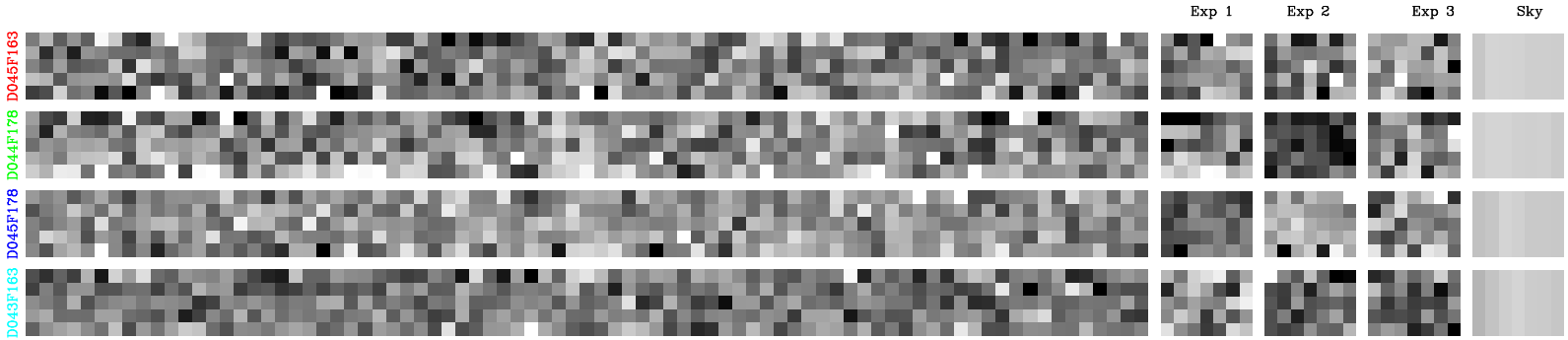
$FWHM_{obs}$ = 8.11Å

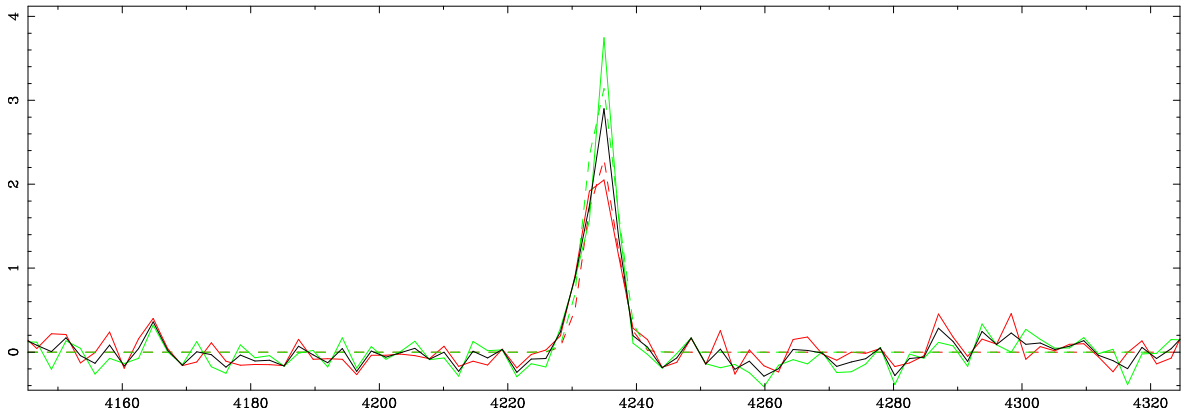
λ_{obs} = 4249.38Å

EW_{obs} > 57.46Å

α_{2000} = 189.1967°

δ_{2000} = 62.2069°





S/N = 29.93

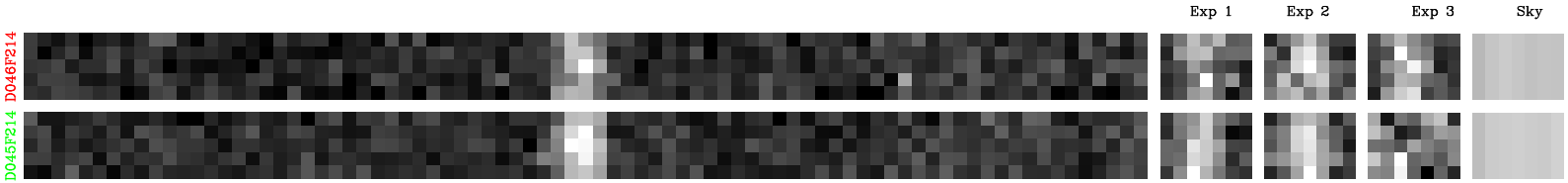
$FWHM_{obs}$ = 5.52Å

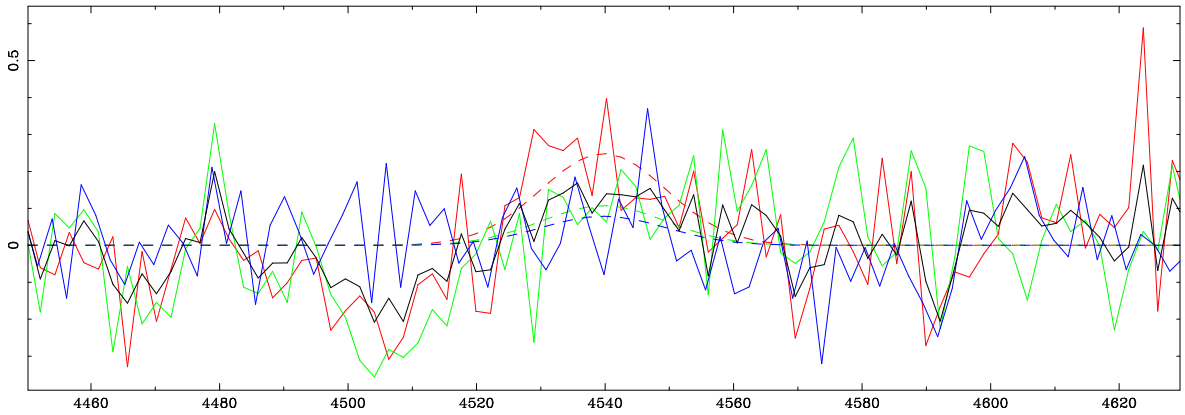
λ_{obs} = 4234.54Å

EW_{obs} = 24.39Å

α_{2000} = 189.2284°

δ_{2000} = 62.2024°





S/N = 5.04

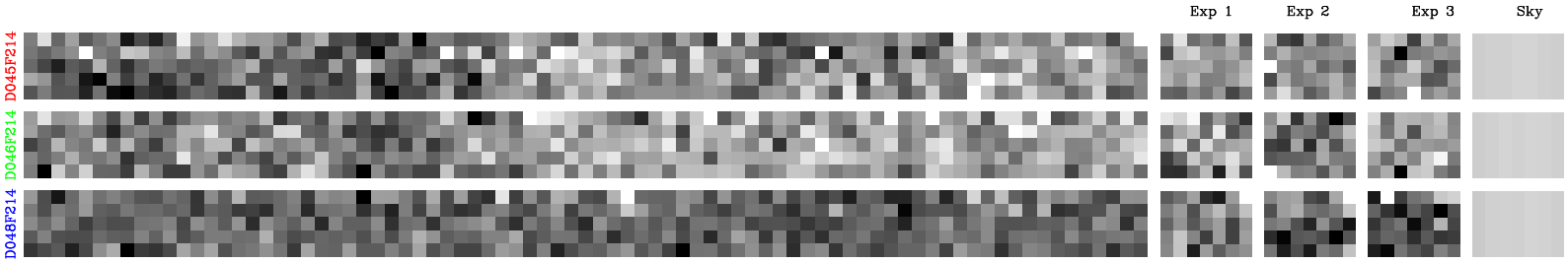
$FWHM_{obs}$ = 22.98Å

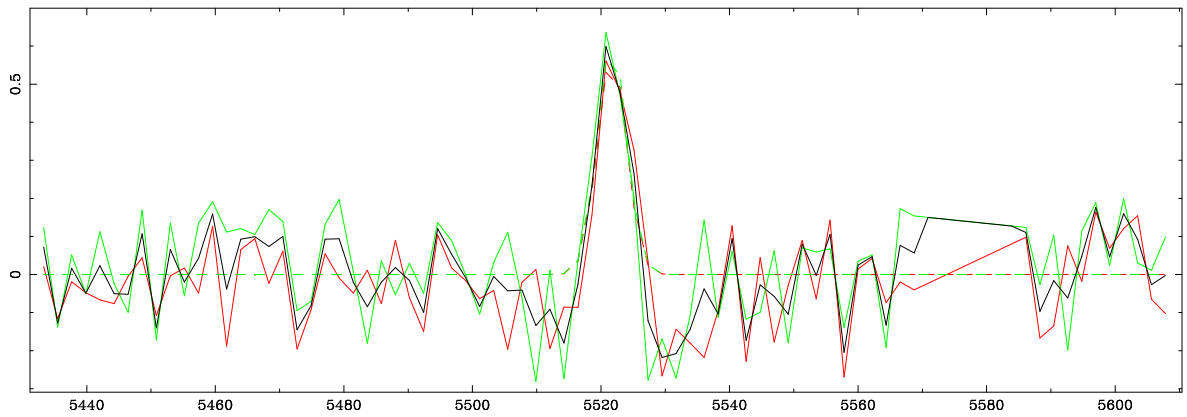
λ_{obs} = 4539.76Å

EW_{obs} = 6.80Å

α_{2000} = 189.2280°

δ_{2000} = 62.2023°





S/N = 9.30

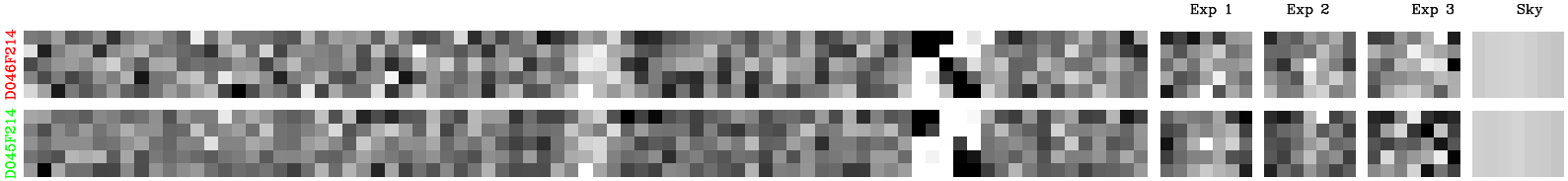
$FWHM_{obs}$ = 5.27Å

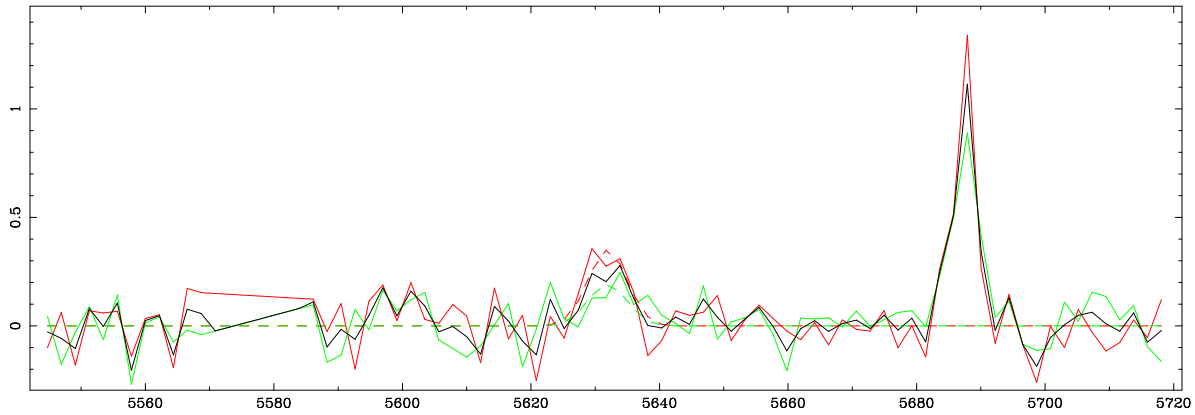
λ_{obs} = 5521.70Å

EW_{obs} = 4.49Å

α_{2000} = 189.2285°

δ_{2000} = 62.2024°





S/N = 5.41

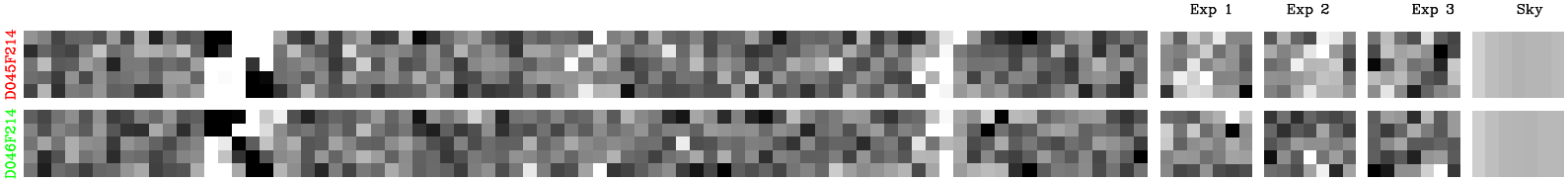
$FWHM_{obs}$ = 7.19Å

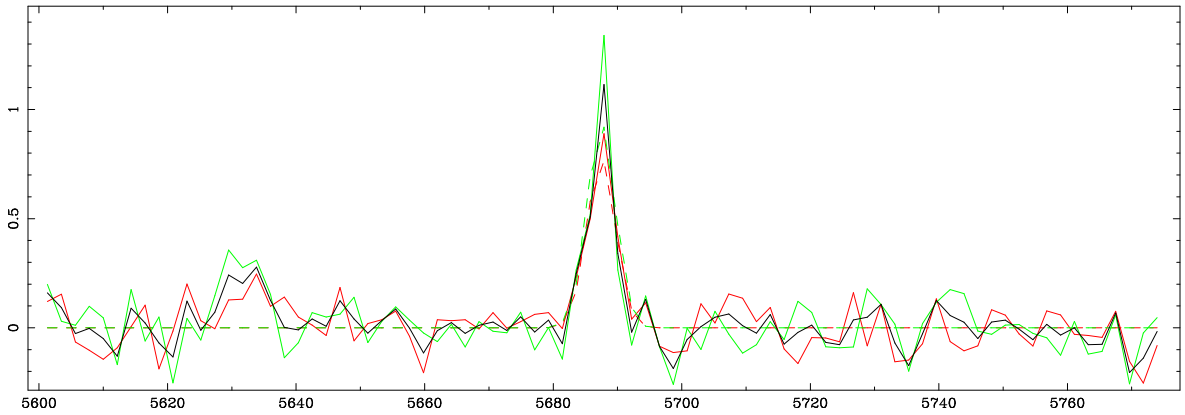
λ_{obs} = 5631.91Å

EW_{obs} = 2.79Å

α_{2000} = 189.2284°

δ_{2000} = 62.2024°





S/N = 12.11

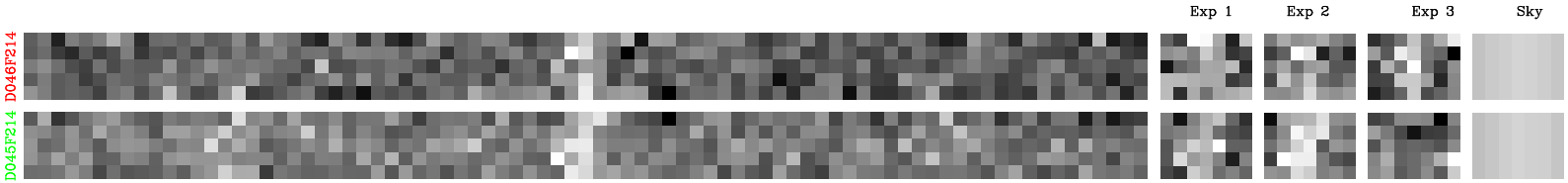
$FWHM_{obs}$ = 5.20Å

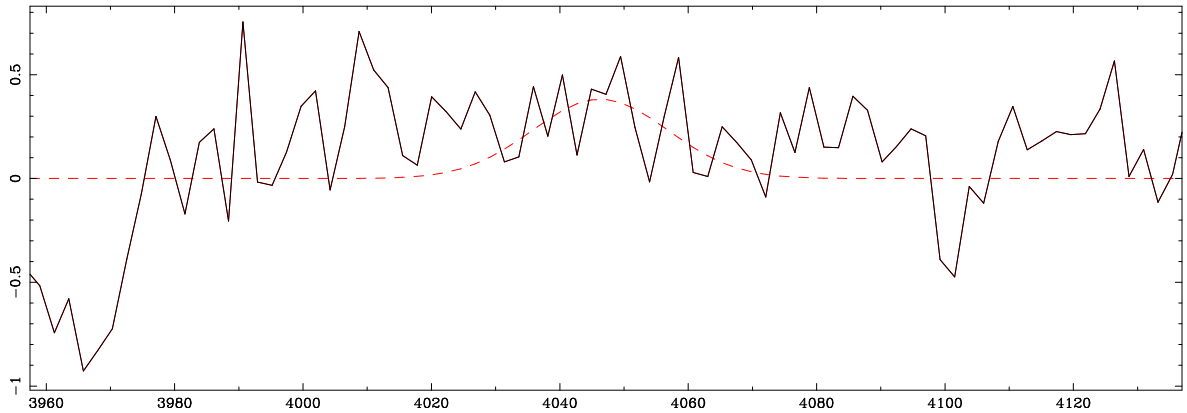
λ_{obs} = 5687.46Å

EW_{obs} = 6.67Å

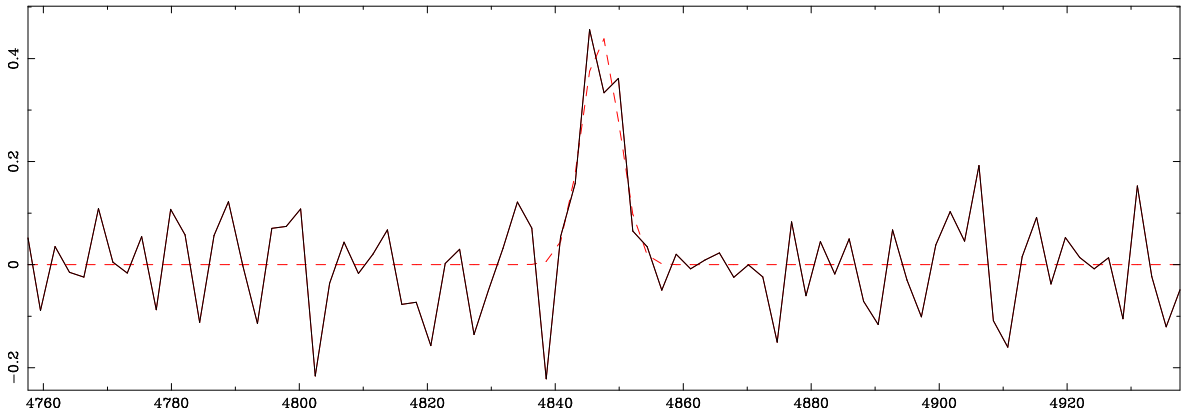
α_{2000} = 189.2284°

δ_{2000} = 62.2024°





S/N = 6.40
$FWHM_{obs}$ = 24.93Å
λ_{obs} = 4046.30Å
EW_{obs} = 7.75Å
α_{2000} = 189.2038°
δ_{2000} = 62.2239°



S/N = 6.20

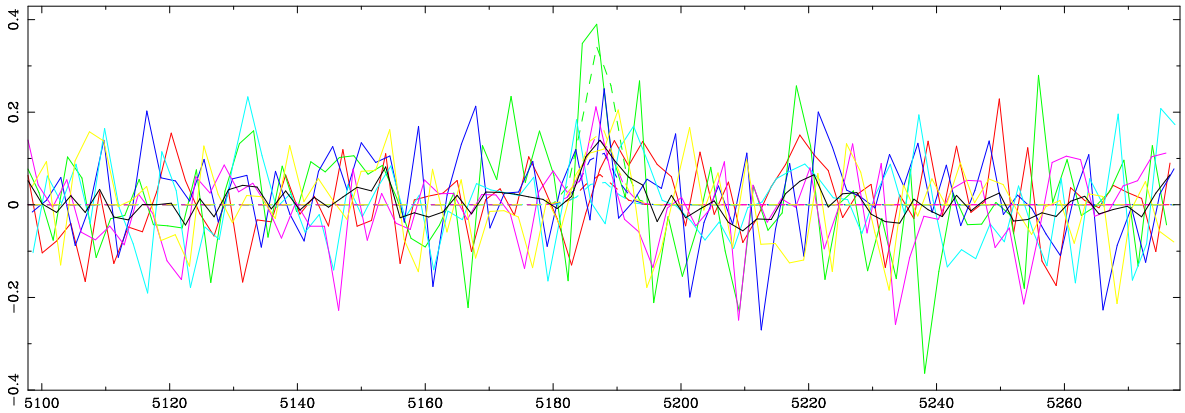
$FWHM_{obs}$ = 6.84Å

λ_{obs} = 4847.07Å

EW_{obs} = 26.76Å

α_{2000} = 189.1843°

δ_{2000} = 62.2188°



S/N = 5.02

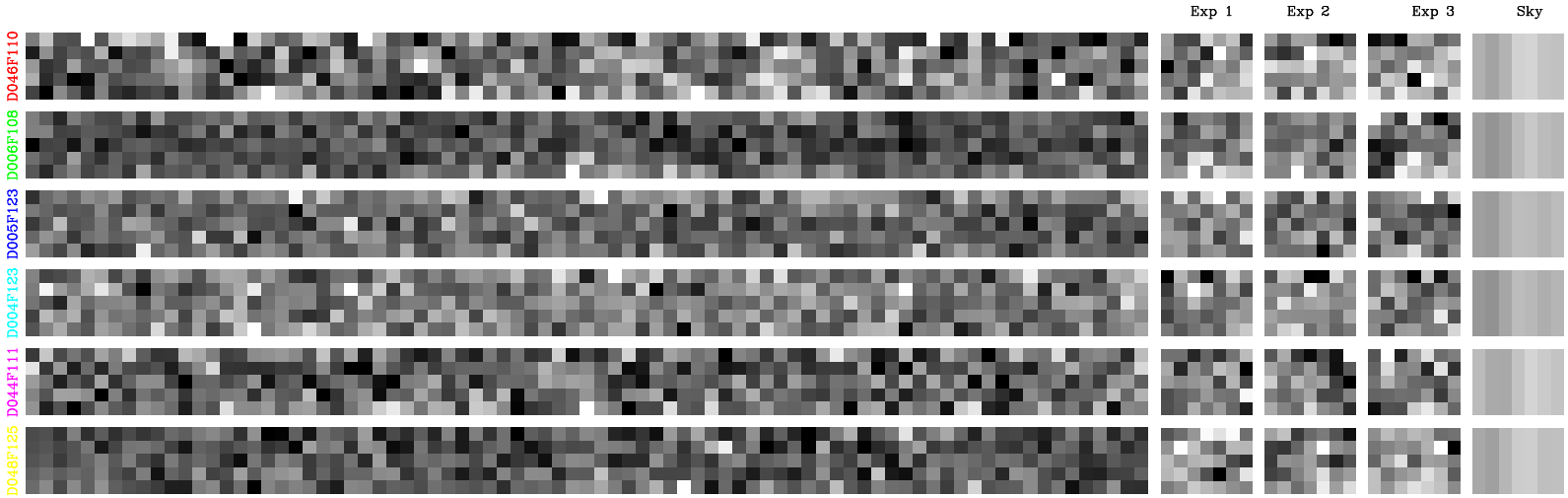
$FWHM_{obs}$ = 5.56Å

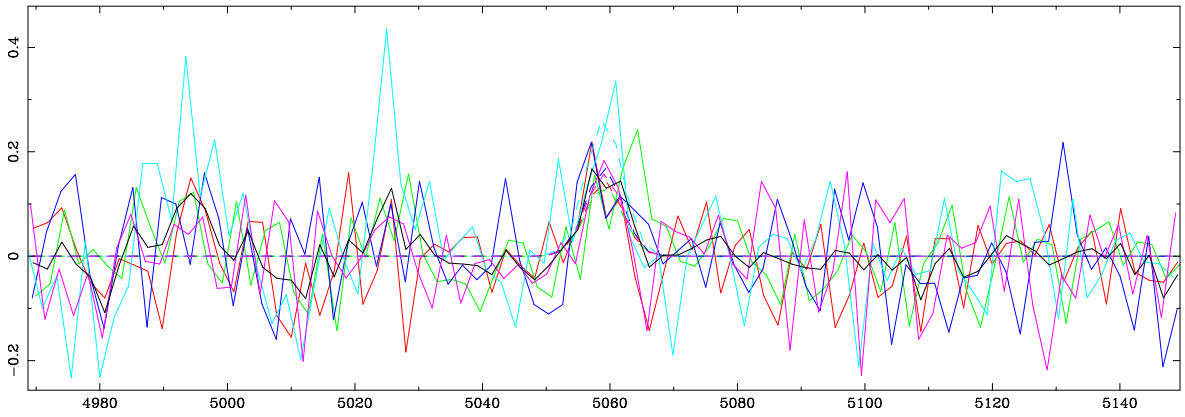
λ_{obs} = 5187.23Å

EW_{obs} > 48.82Å

α_{2000} = 189.2188°

δ_{2000} = 62.2144°





$S/N = 5.73$

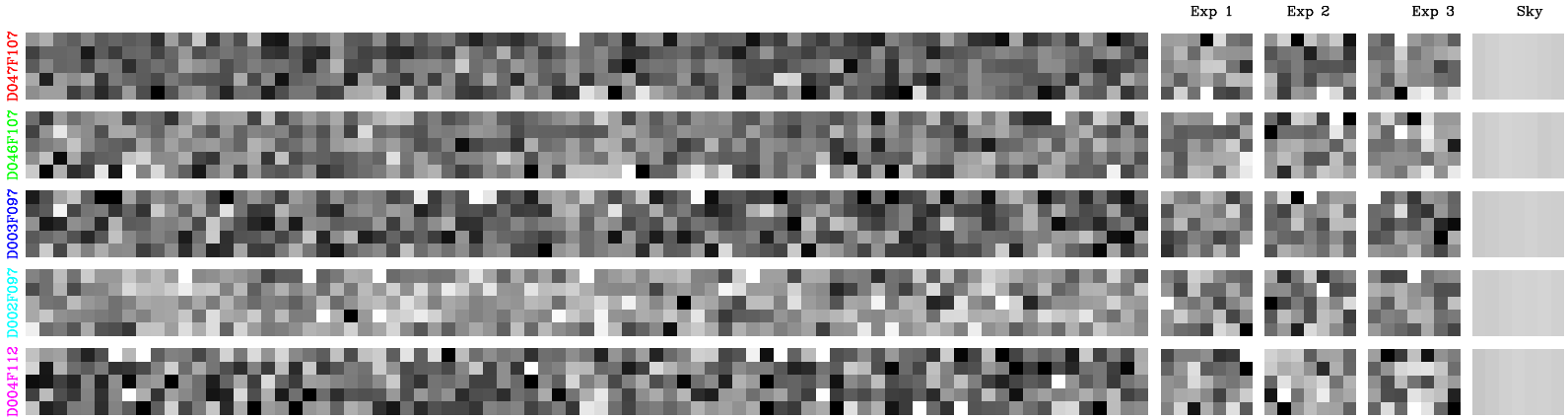
$FWHM_{obs} = 6.80$Å

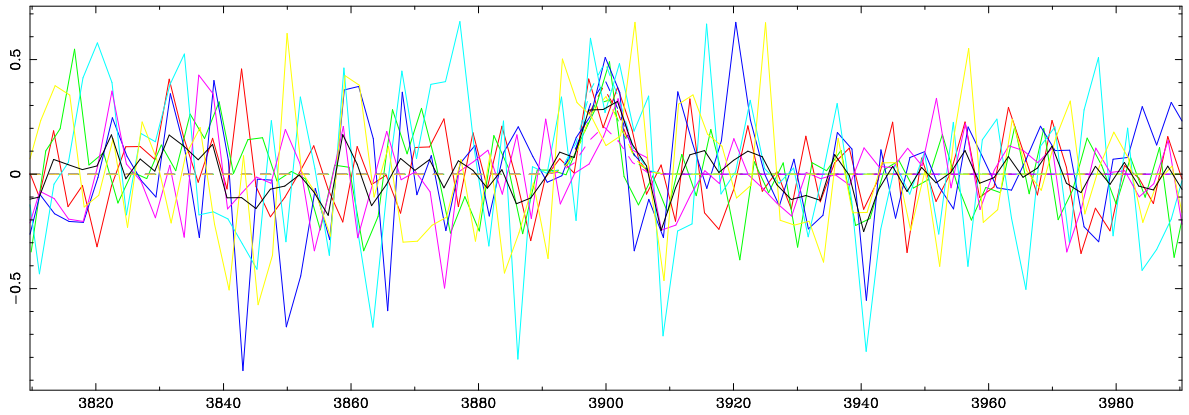
$\lambda_{obs} = 5059.08$Å

$EW_{obs} > 59.28$Å

$\alpha_{2000} = 189.2036°$

$\delta_{2000} = 62.2163°$





$S/N = 5.09$

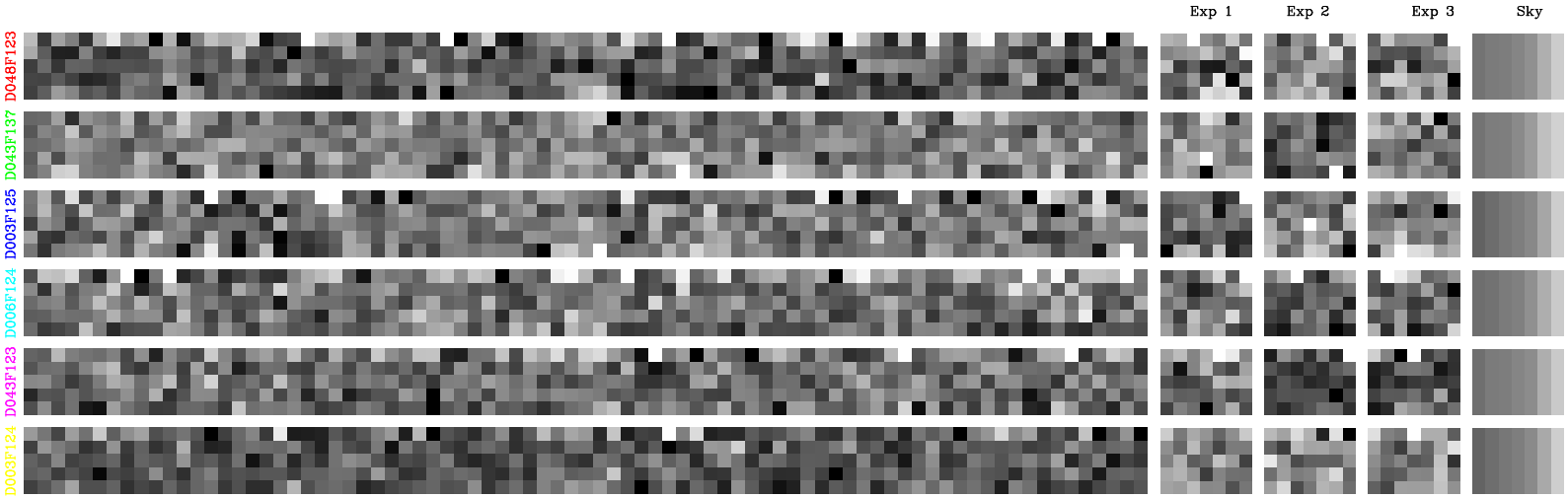
$FWHM_{obs} = 6.37$Å

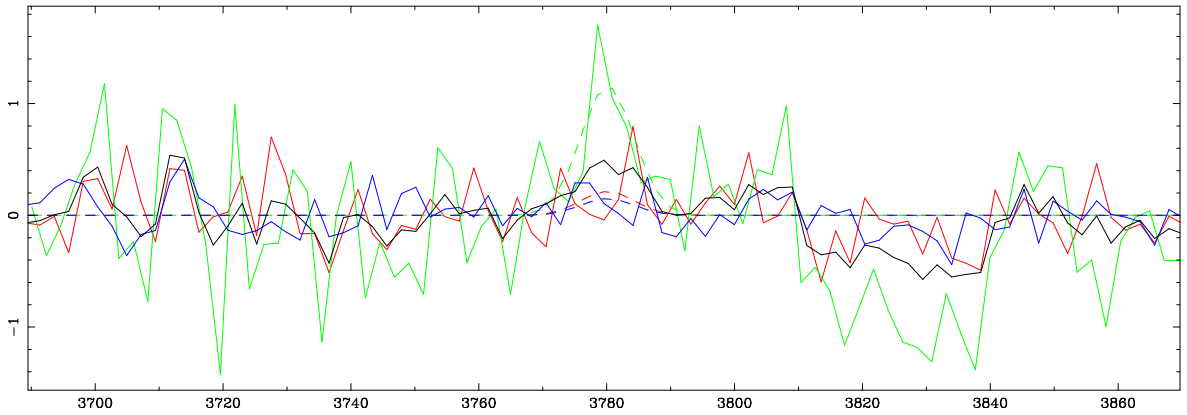
$\lambda_{obs} = 3899.62$Å

$EW_{obs} > 51.87$Å

$\alpha_{2000} = 189.2108°$

$\delta_{2000} = 62.2129°$





S/N = 5.98

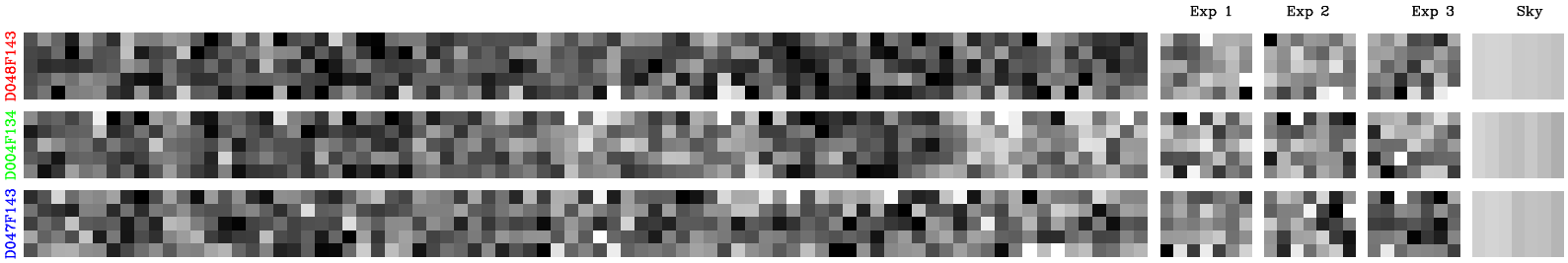
$FWHM_{obs}$ = 9.87Å

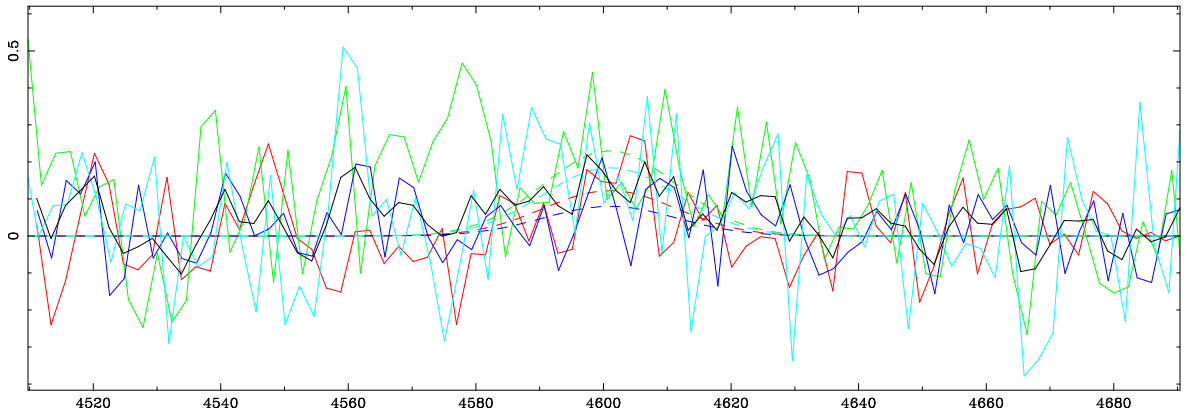
λ_{obs} = 3780.12Å

EW_{obs} = 7.28Å

α_{2000} = 189.2348°

δ_{2000} = 62.2113°





S/N = 6.87

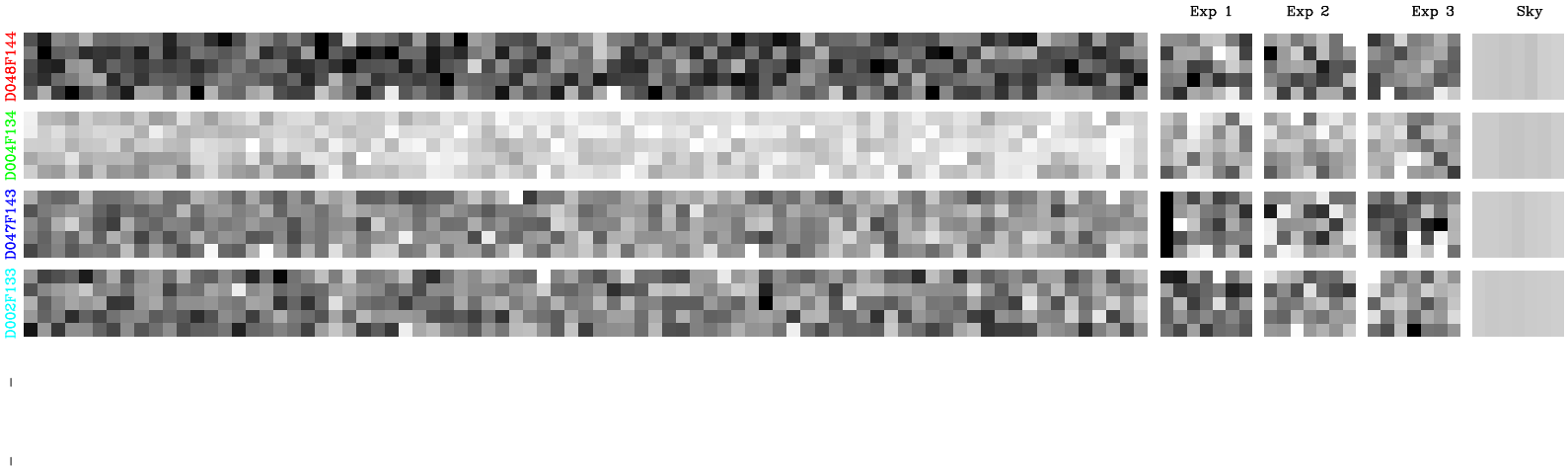
$FWHM_{obs}$ = 24.54Å

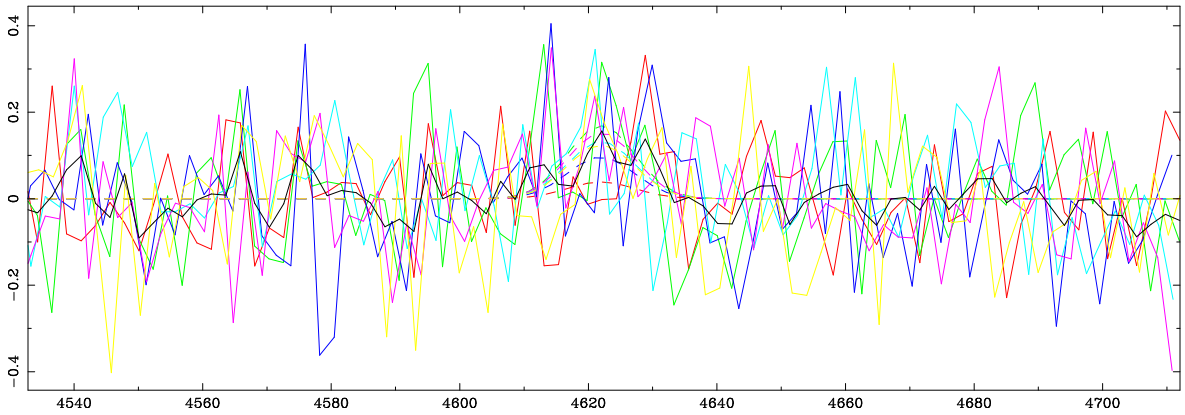
λ_{obs} = 4601.00Å

EW_{obs} = 3.17Å

α_{2000} = 189.2359°

δ_{2000} = 62.2113°





S/N = 5.15

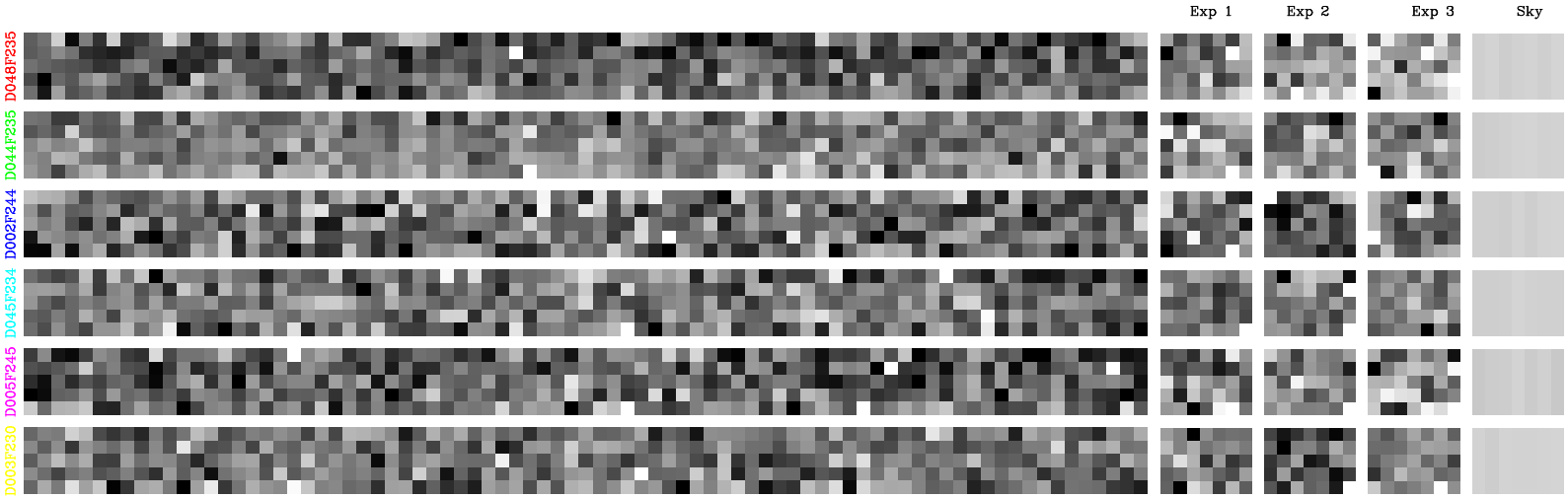
$FWHM_{obs}$ = 12.38Å

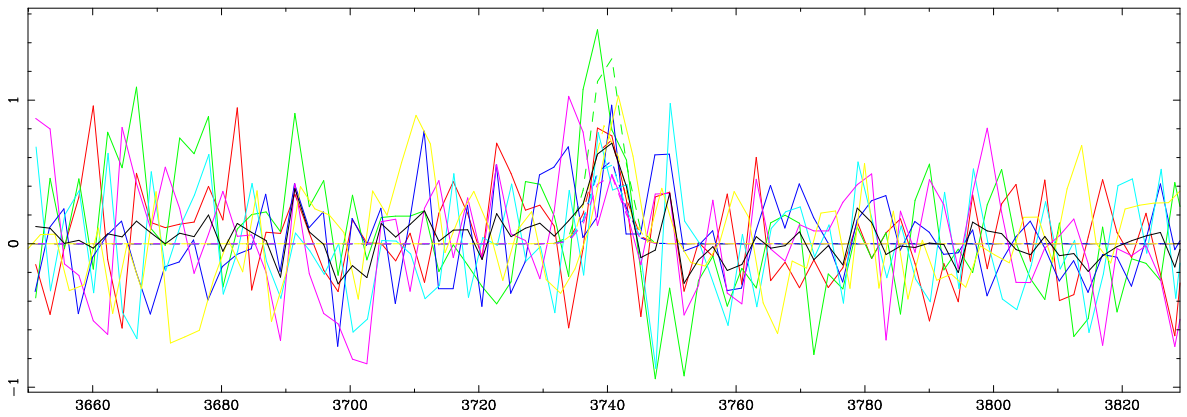
λ_{obs} = 4621.97Å

EW_{obs} > 71.14Å

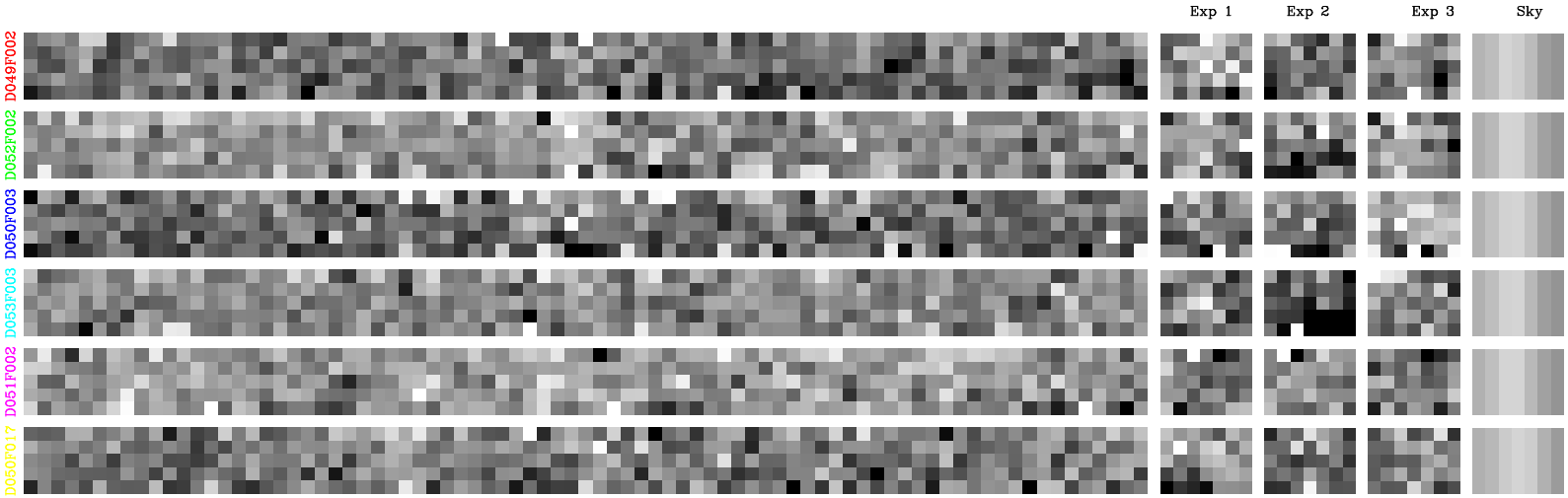
α_{2000} = 189.1908°

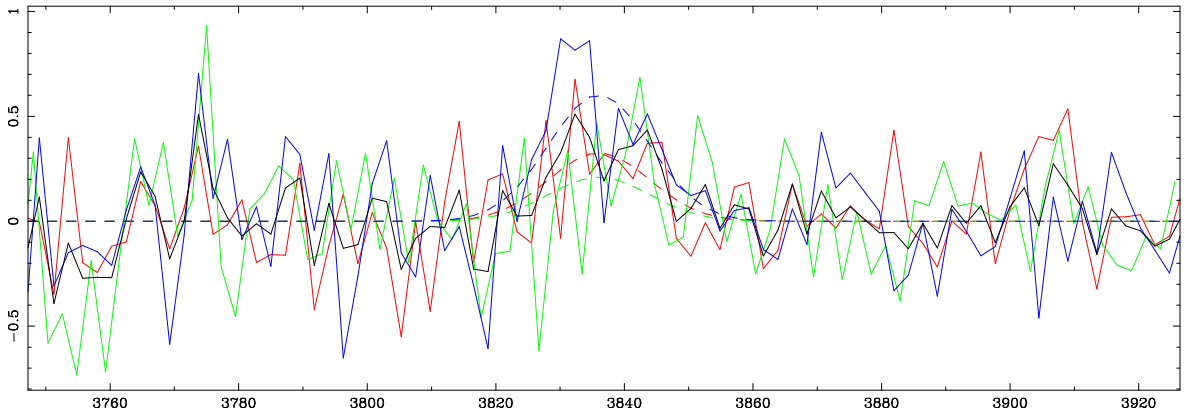
δ_{2000} = 62.1991°





S/N = 5.58
$FWHM_{obs}$ = 5.34Å
λ_{obs} = 3739.87Å
EW_{obs} > 62.48Å
α_{2000} = 189.1298°
δ_{2000} = 62.2263°





S/N = 5.36

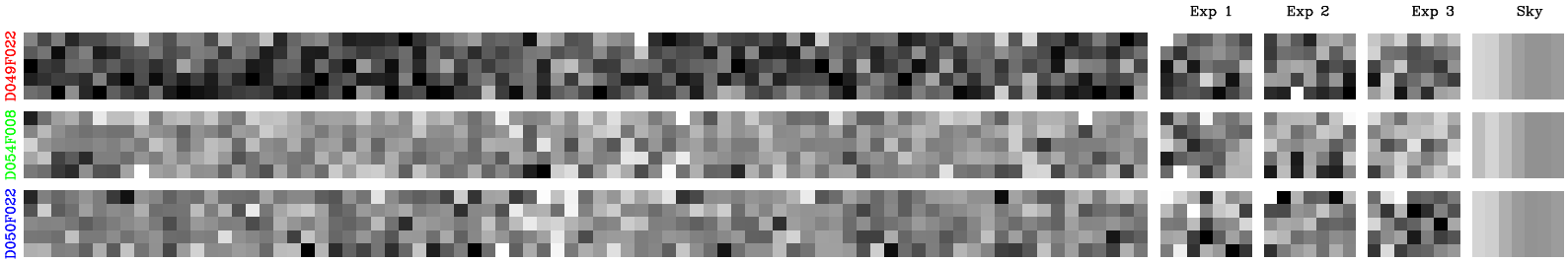
$FWHM_{obs}$ = 18.52Å

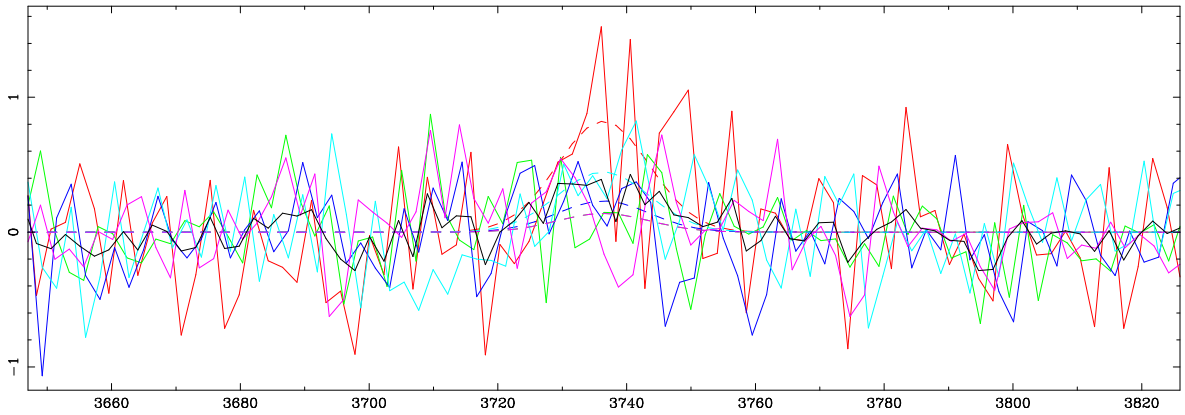
λ_{obs} = 3836.07Å

EW_{obs} = 89.91Å

α_{2000} = 189.1515°

δ_{2000} = 62.2250°





S/N = 5.11

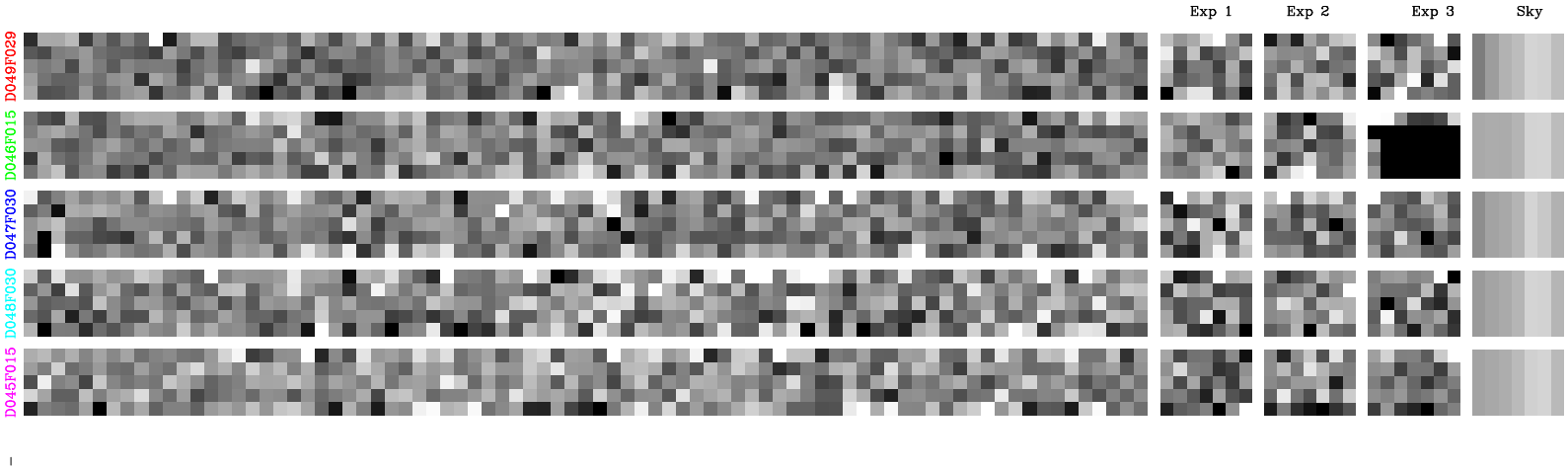
$FWHM_{obs}$ = 16.82Å

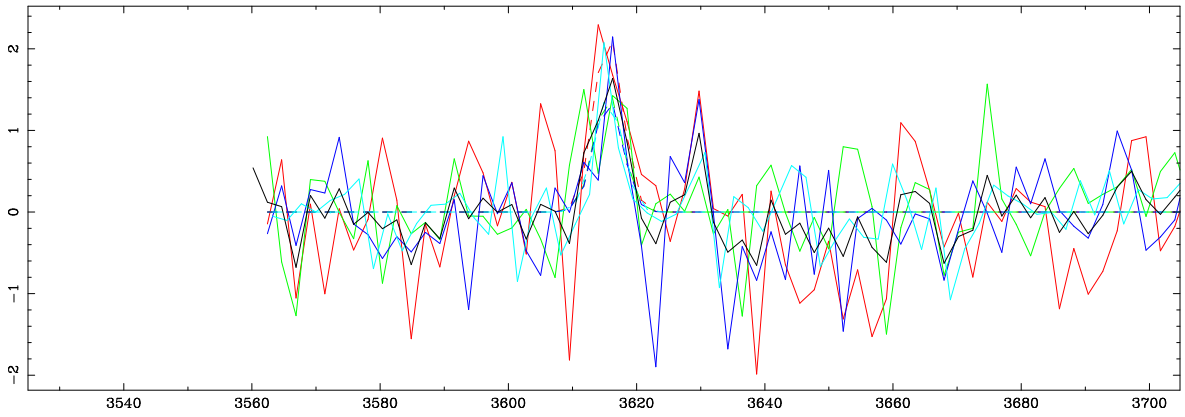
λ_{obs} = 3736.37Å

EW_{obs} > 80.94Å

α_{2000} = 189.1835°

δ_{2000} = 62.2247°





S/N = 5.26

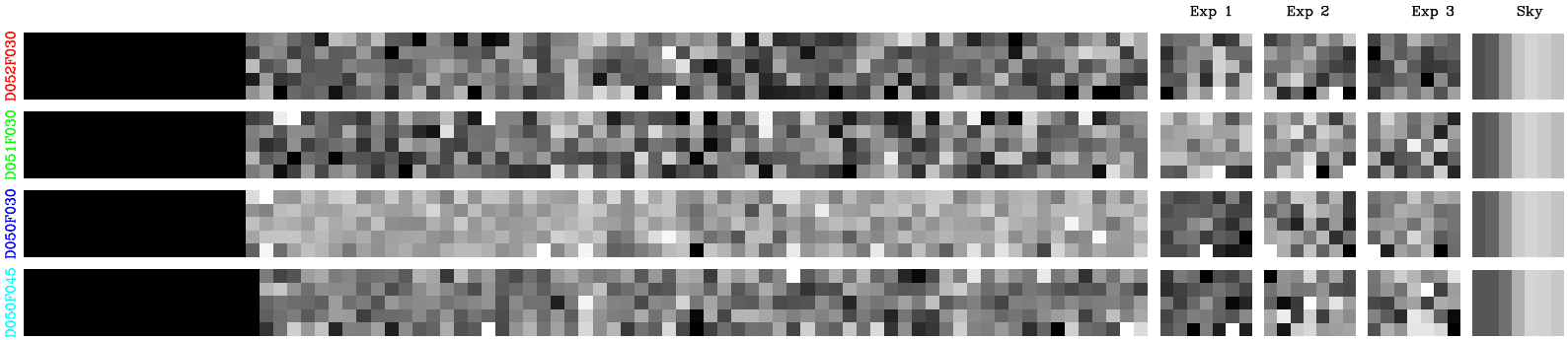
$FWHM_{obs}$ = 5.22Å

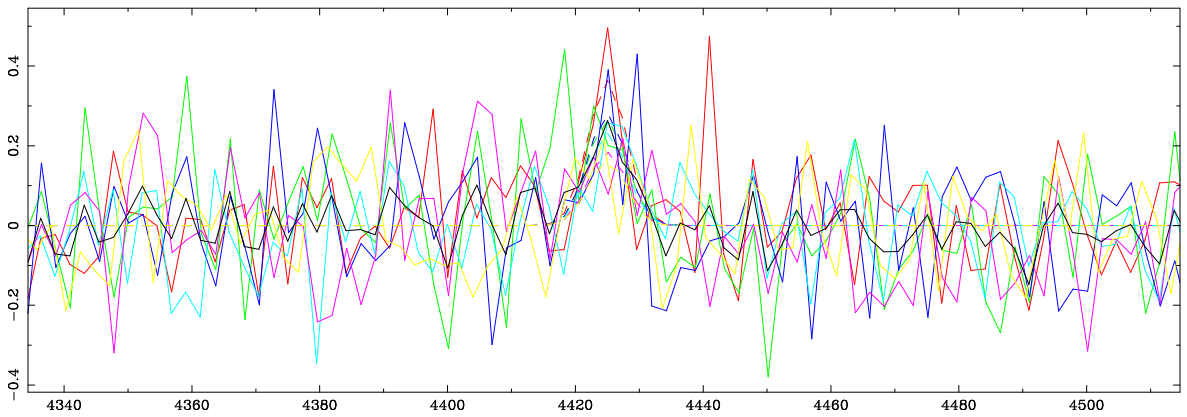
λ_{obs} = 3615.59Å

EW_{obs} = 40.49Å

α_{2000} = 189.1243°

δ_{2000} = 62.2226°





S/N = 5.59

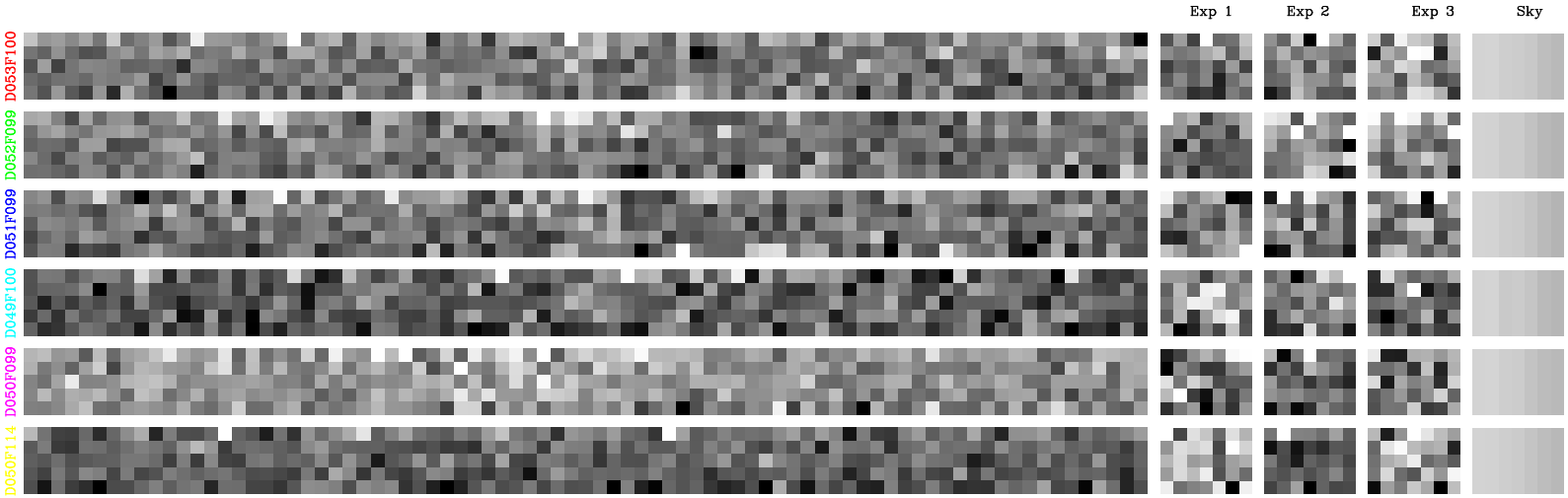
$FWHM_{obs}$ = 7.14Å

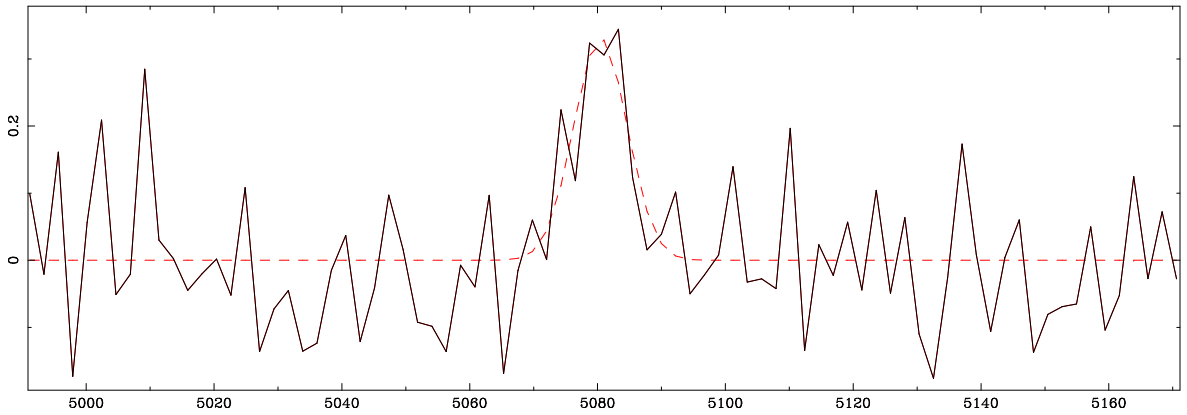
λ_{obs} = 4425.01Å

EW_{obs} = 52.49Å

α_{2000} = 189.1728°

δ_{2000} = 62.2158°





$S/N = 5.68$

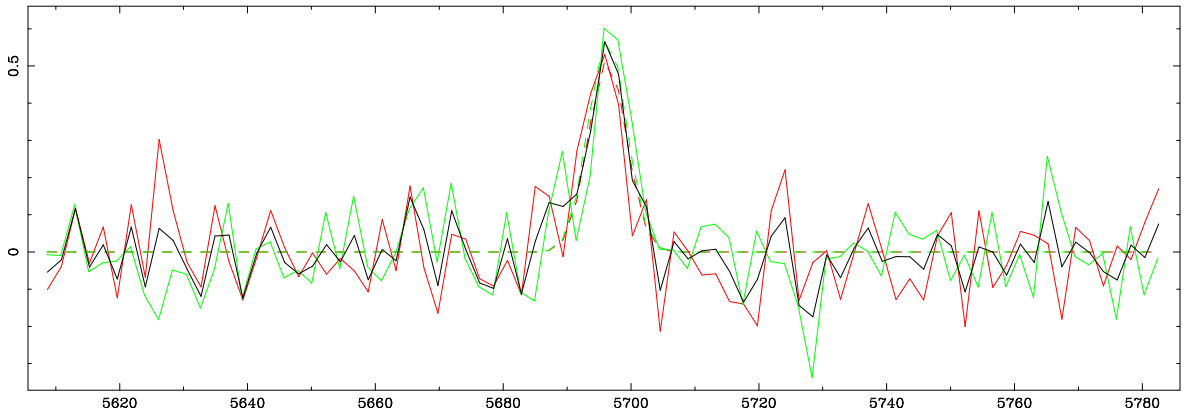
$FWHM_{obs} = 9.86Å$

$\lambda_{obs} = 5080.46Å$

$EW_{obs} > 68.72Å$

$\alpha_{2000} = 189.1437°$

$\delta_{2000} = 62.2149°$



S/N = 9.85

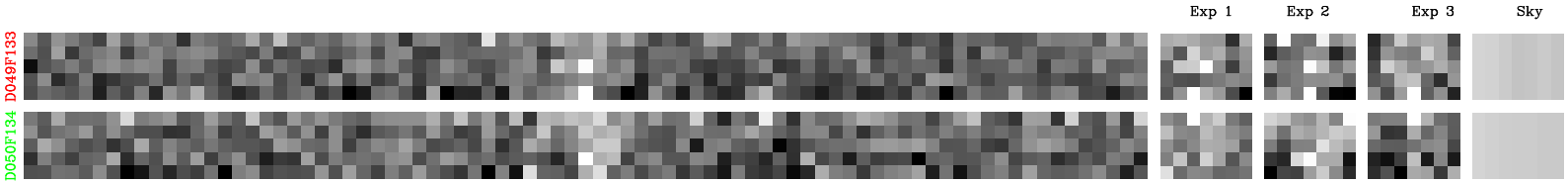
$FWHM_{obs}$ = 6.93Å

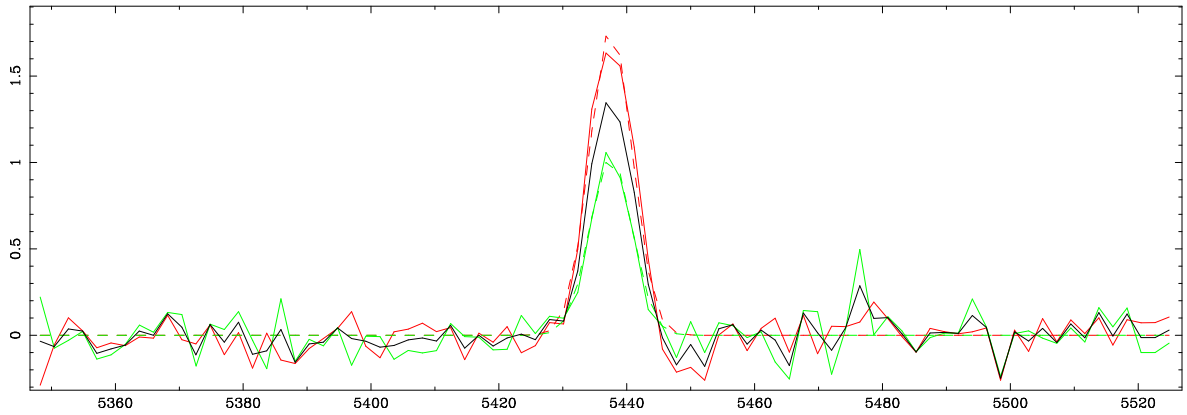
λ_{obs} = 5696.31Å

EW_{obs} = 40.88Å

α_{2000} = 189.1319°

δ_{2000} = 62.2112°





S/N = 24.57

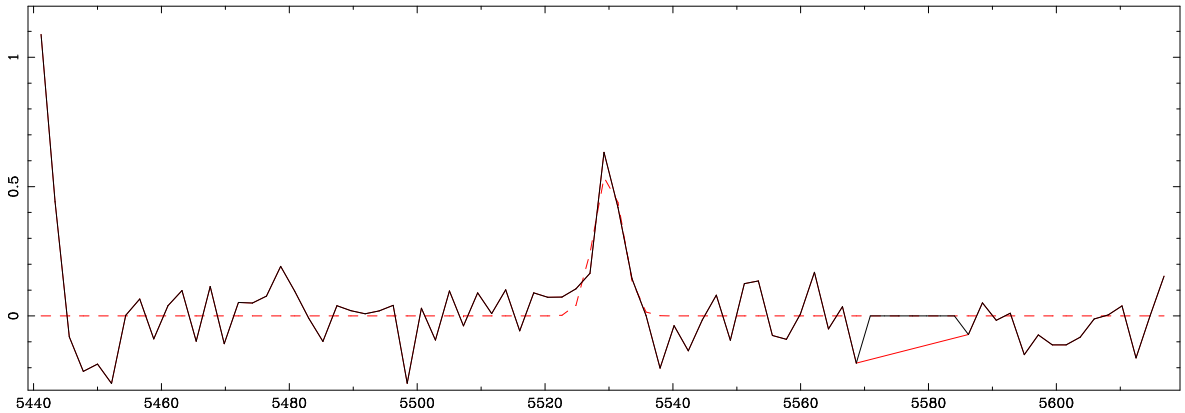
$FWHM_{obs}$ = 7.77Å

λ_{obs} = 5437.52Å

EW_{obs} = 45.62Å

α_{2000} = 189.1559°

δ_{2000} = 62.2113°



S/N = 6.42

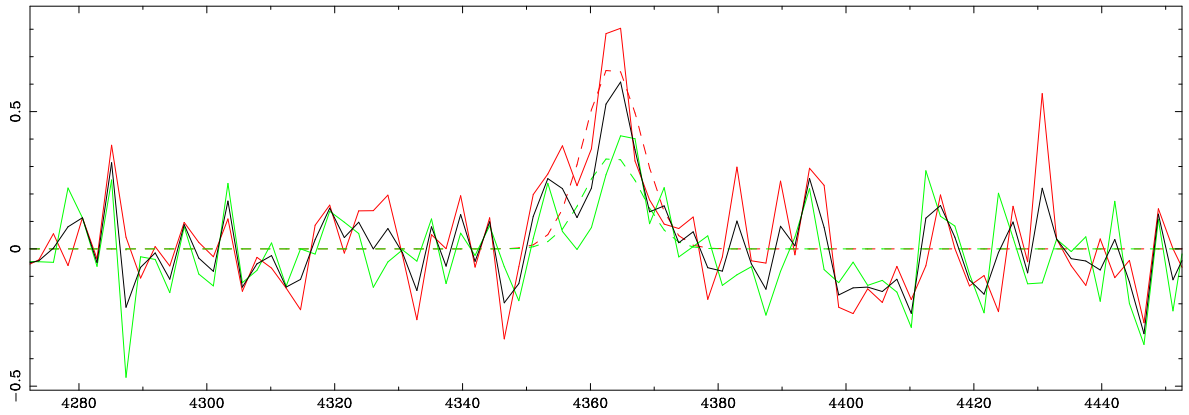
$FWHM_{obs}$ = 5.20Å

λ_{obs} = 5529.89Å

EW_{obs} = 7.81Å

α_{2000} = 189.1565°

δ_{2000} = 62.2113°



S/N = 7.93

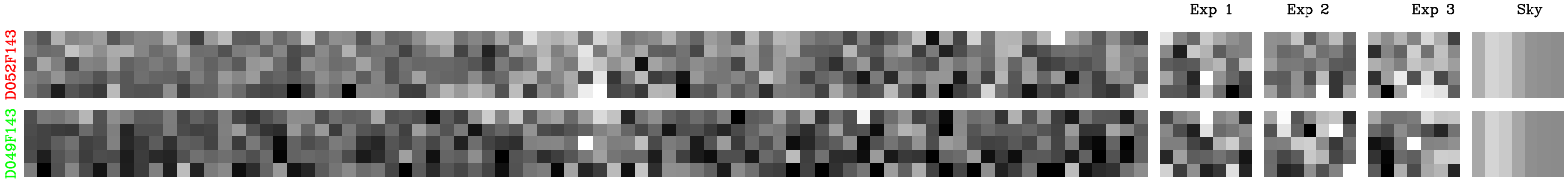
$FWHM_{obs}$ = 10.59Å

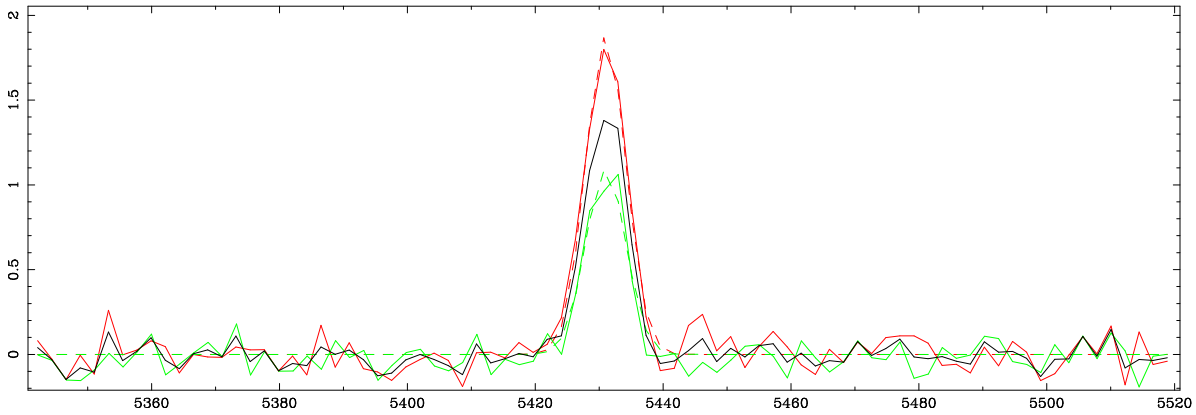
λ_{obs} = 4363.52Å

EW_{obs} > 104.81Å

α_{2000} = 189.1740°

δ_{2000} = 62.2109°





S/N = 26.94

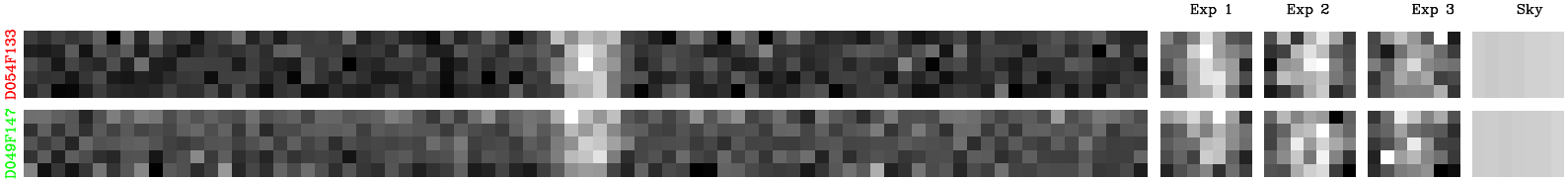
$FWHM_{obs}$ = 7.38Å

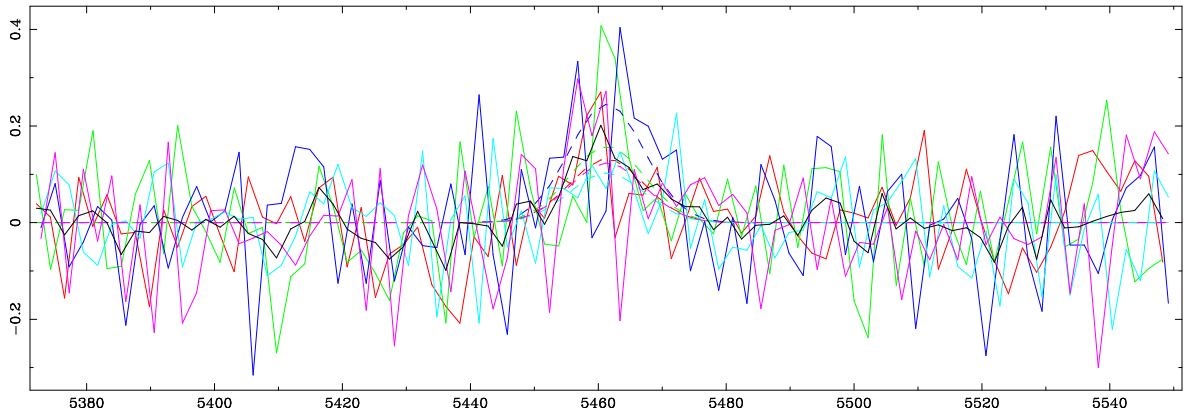
λ_{obs} = 5431.03Å

EW_{obs} = 102.30Å

α_{2000} = 189.1290°

δ_{2000} = 62.2101°





$S/N = 5.92$

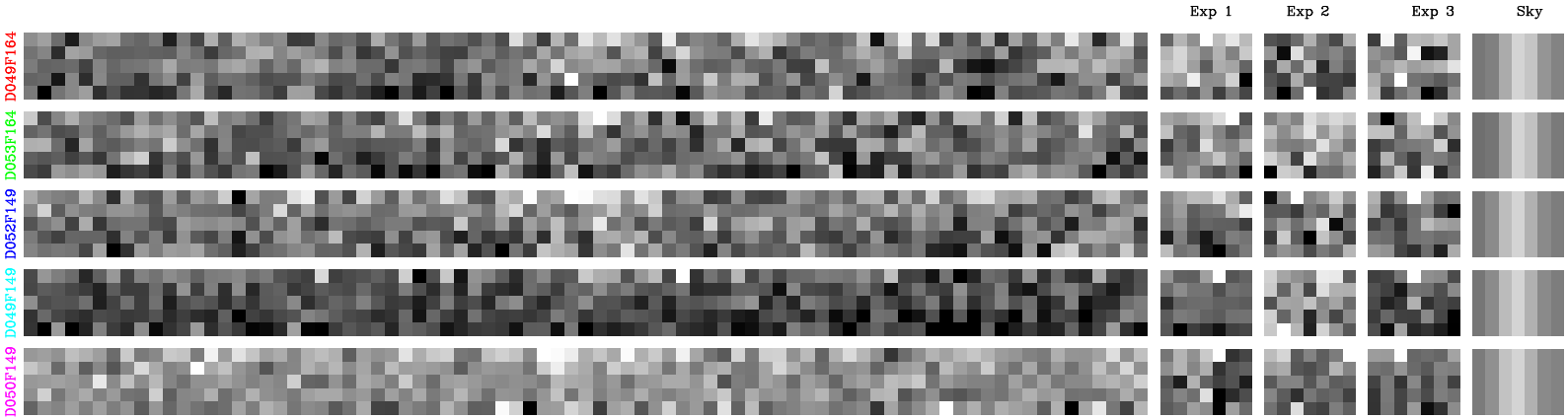
$FWHM_{obs} = 13.82Å$

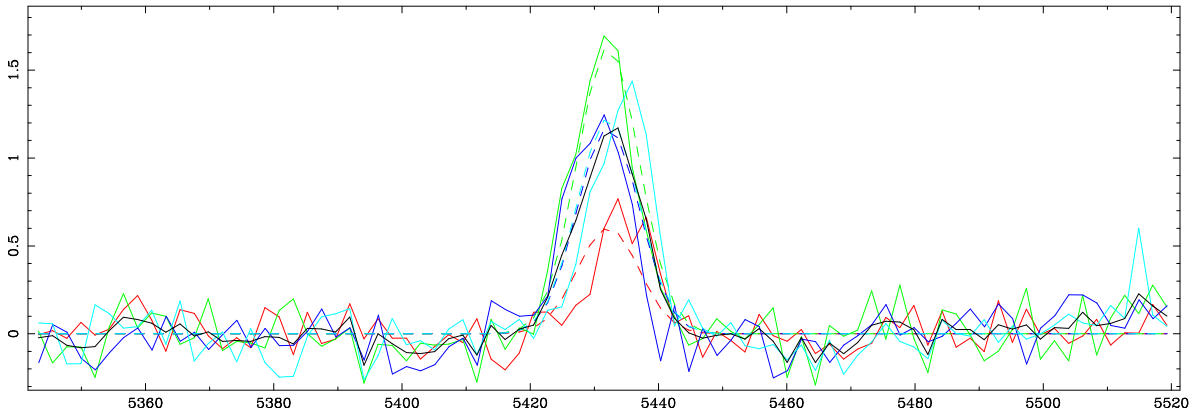
$\lambda_{obs} = 5461.35Å$

$EW_{obs} = 79.75Å$

$\alpha_{2000} = 189.1375°$

$\delta_{2000} = 62.2087°$





S/N = 32.98

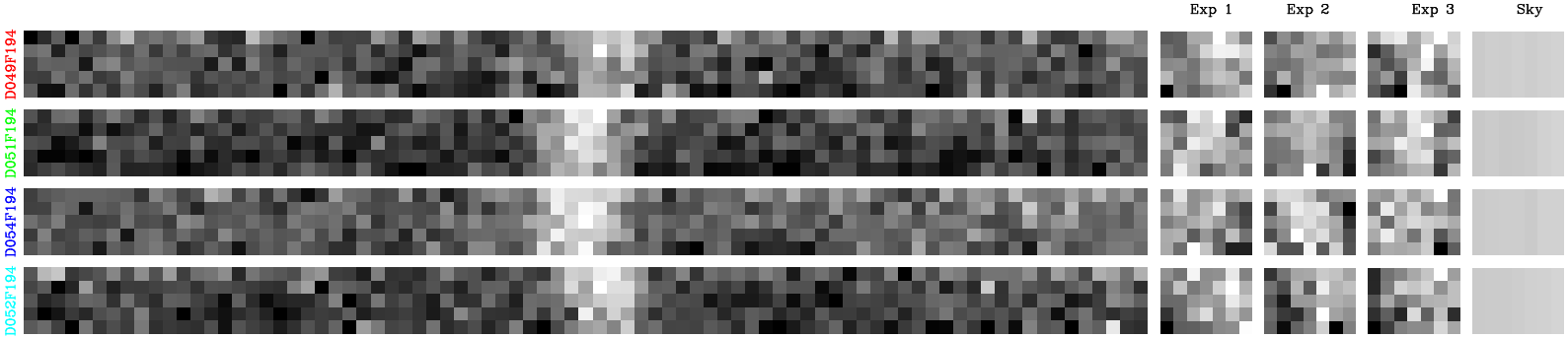
$FWHM_{obs}$ = 11.42Å

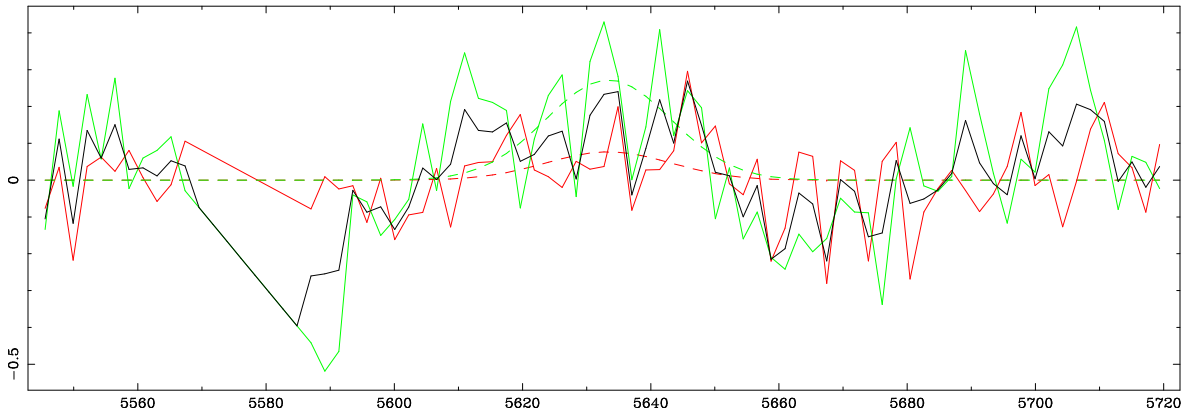
λ_{obs} = 5432.16Å

EW_{obs} = 35.27Å

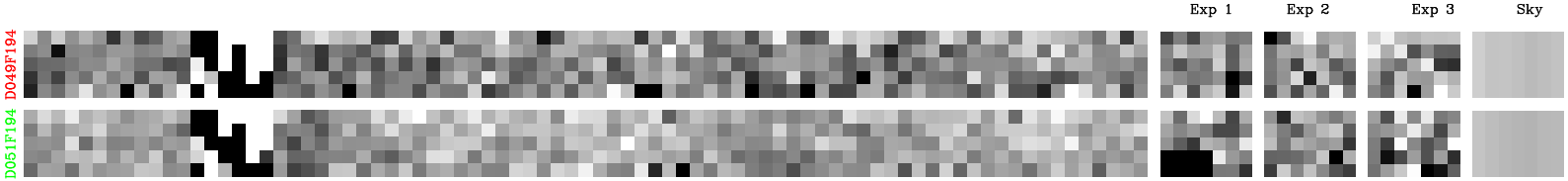
α_{2000} = 189.1432°

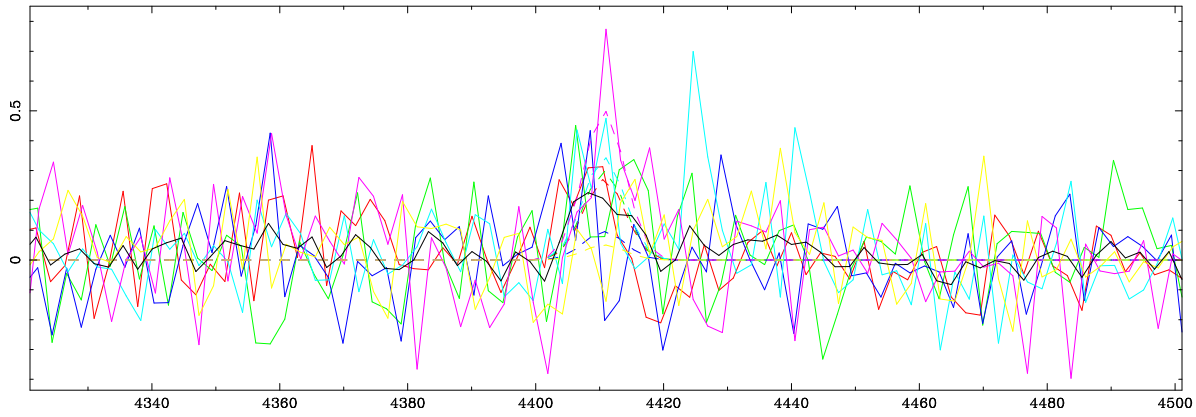
δ_{2000} = 62.2036°





S/N = 5.74
$FWHM_{obs}$ = 23.02Å
λ_{obs} = 5633.39Å
EW_{obs} = 10.04Å
α_{2000} = 189.1434°
δ_{2000} = 62.2036°





S/N = 6.27

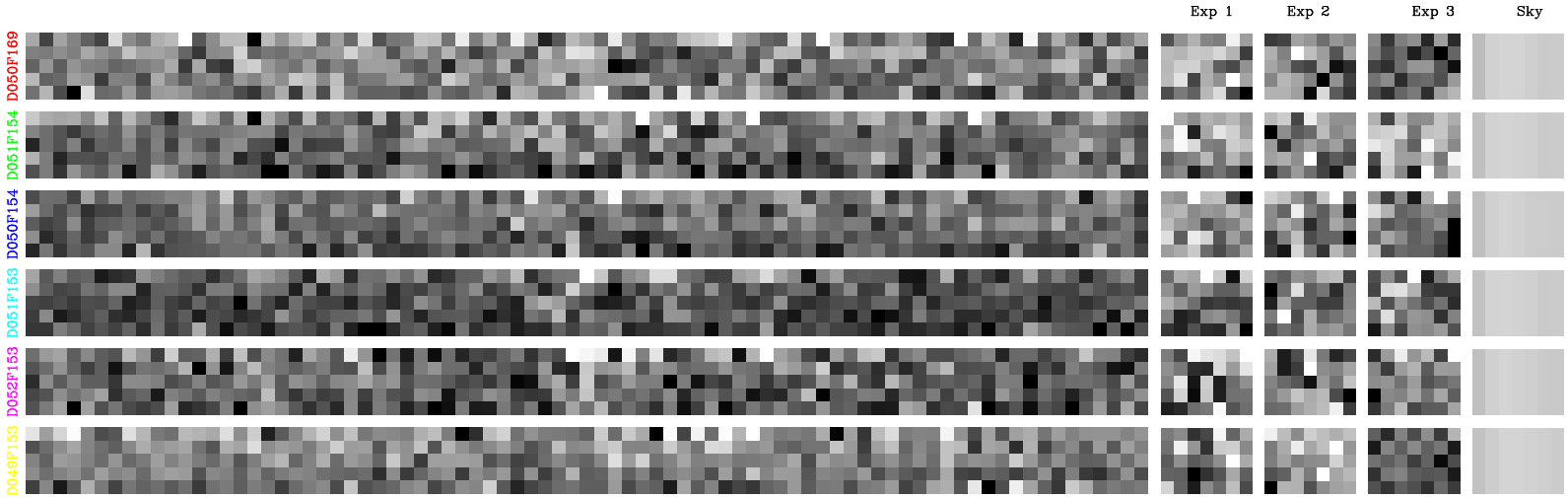
$FWHM_{obs}$ = 7.60Å

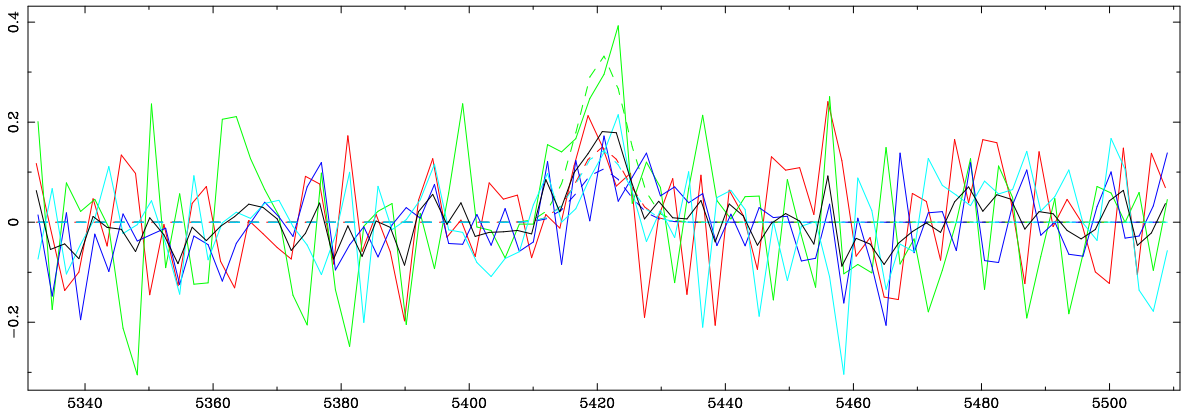
λ_{obs} = 4410.72Å

EW_{obs} = 50.57Å

α_{2000} = 189.1562°

δ_{2000} = 62.2085°





$S/N = 5.42$

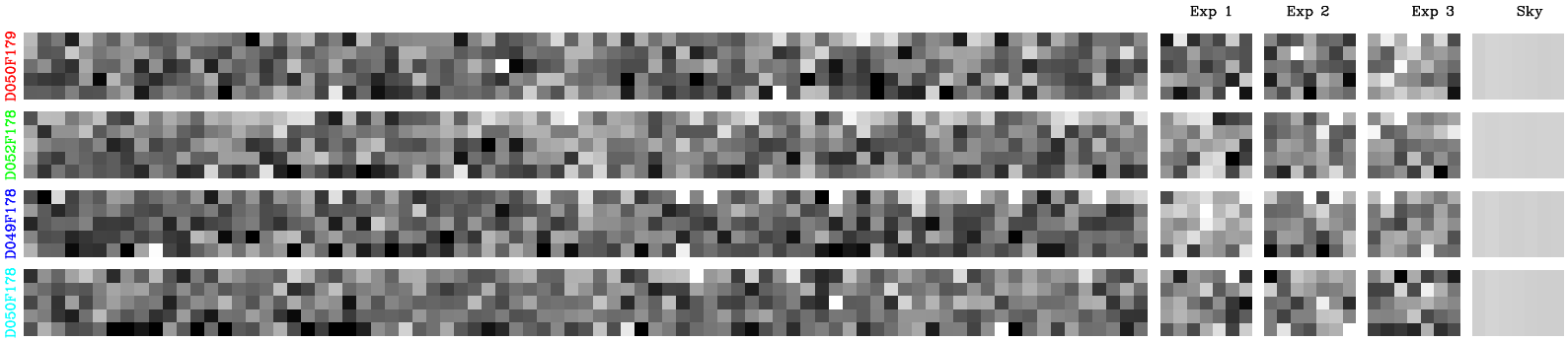
$FWHM_{obs} = 8.74$Å

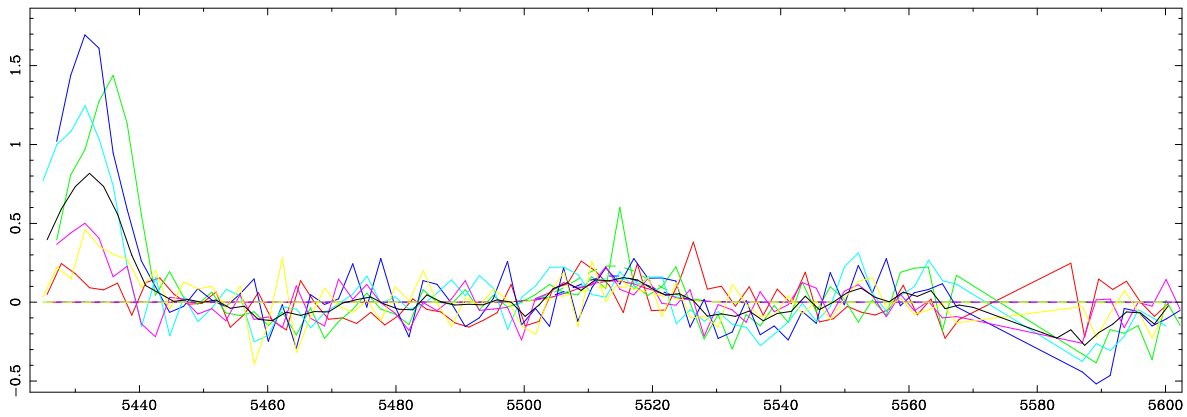
$\lambda_{obs} = 5420.79$Å

$EW_{obs} > 63.74$Å

$\alpha_{2000} = 189.1373°$

$\delta_{2000} = 62.2057°$





$S/N = 6.65$

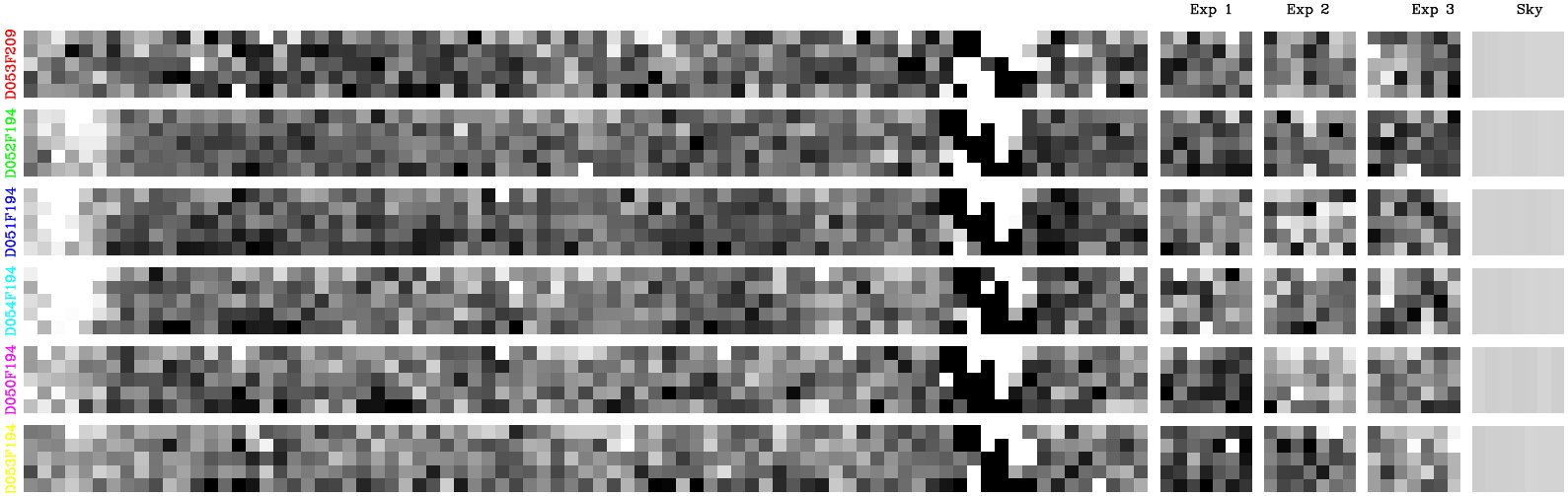
$FWHM_{obs} = 13.27Å$

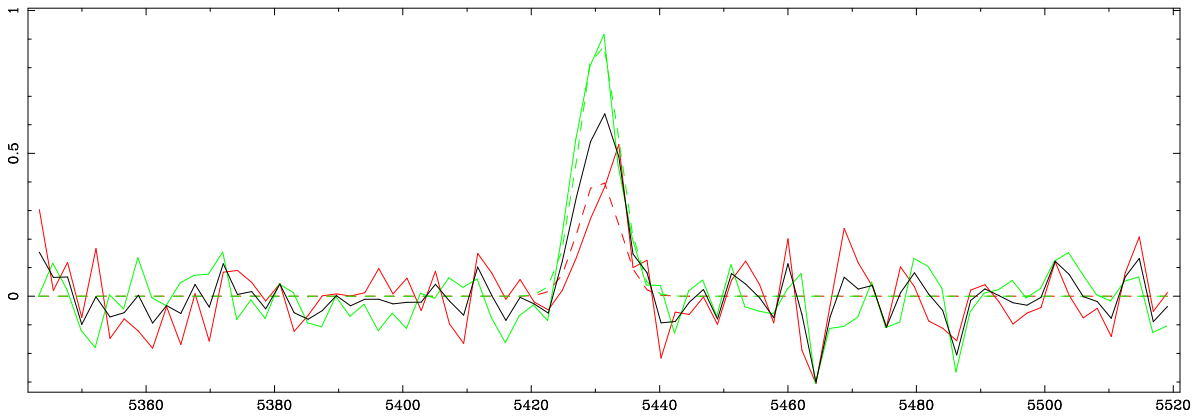
$\lambda_{obs} = 5513.84Å$

$EW_{obs} = 6.42Å$

$\alpha_{2000} = 189.1429°$

$\delta_{2000} = 62.2036°$





S/N = 10.39

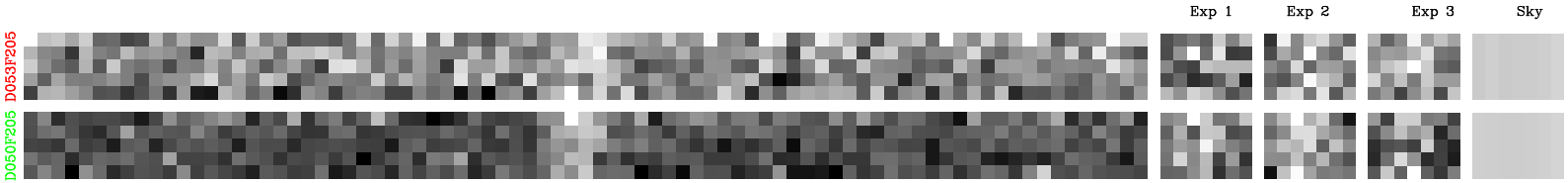
$FWHM_{obs}$ = 7.29Å

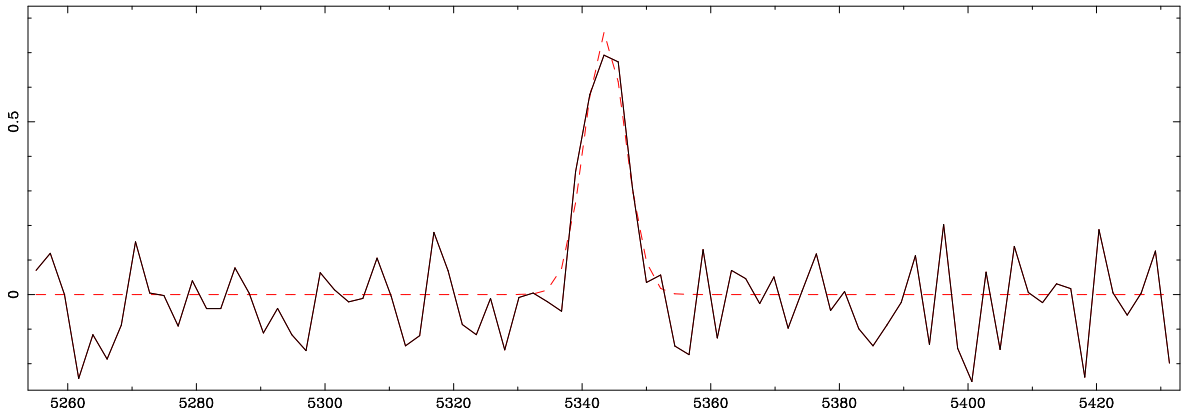
λ_{obs} = 5430.55Å

EW_{obs} = 31.66Å

α_{2000} = 189.1264°

δ_{2000} = 62.2024°





S/N = 8.17

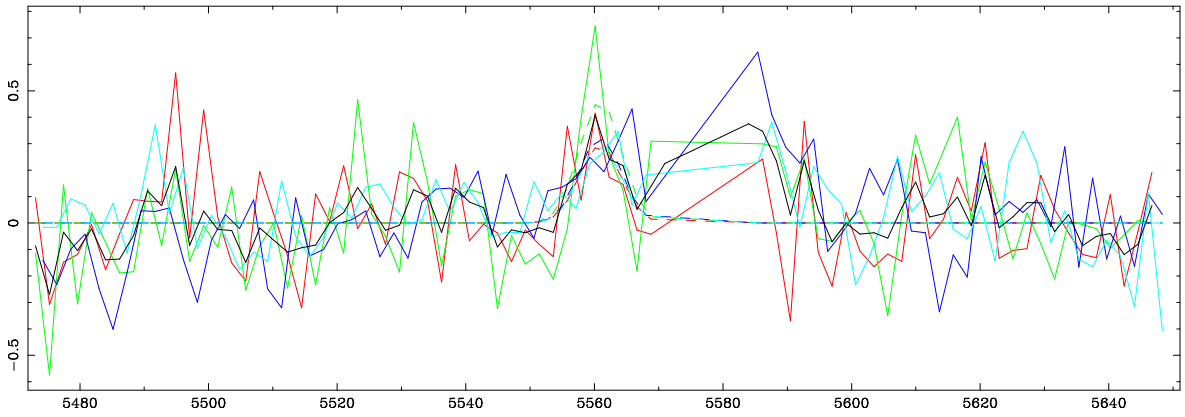
$FWHM_{obs}$ = 7.42Å

λ_{obs} = 5343.55Å

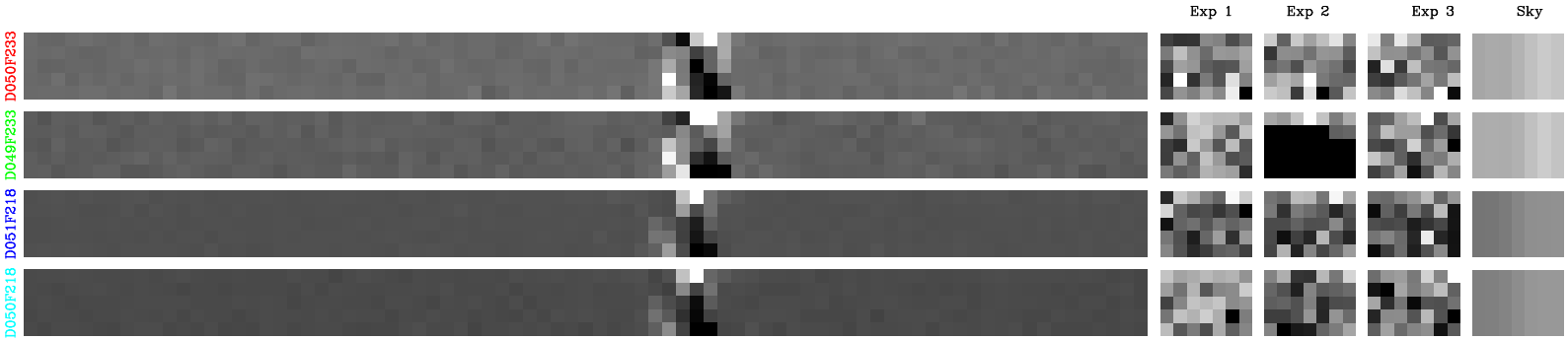
EW_{obs} = 29.55Å

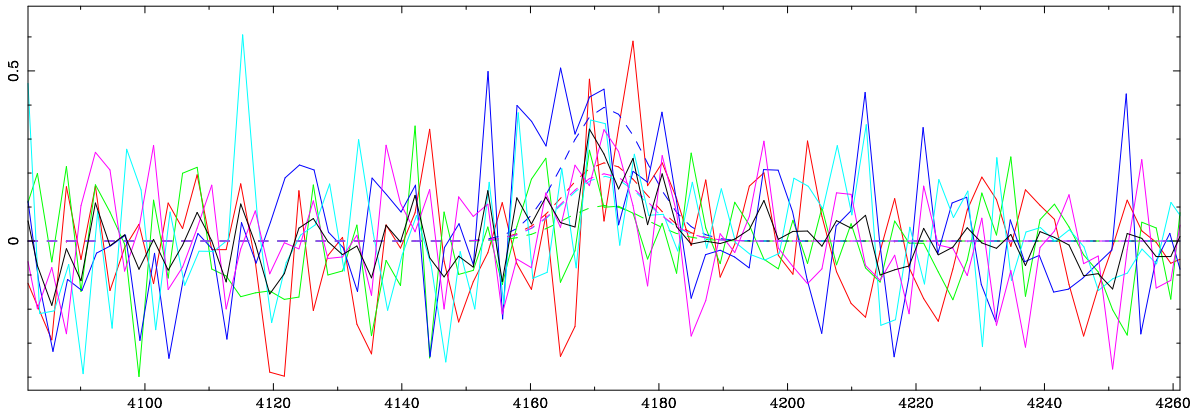
α_{2000} = 189.1740°

δ_{2000} = 62.2014°



S/N = 5.70
$FWHM_{obs}$ = 7.64Å
λ_{obs} = 5560.90Å
EW_{obs} = 45.08Å
α_{2000} = 189.1221°
δ_{2000} = 62.1996°





$S/N = 5.17$

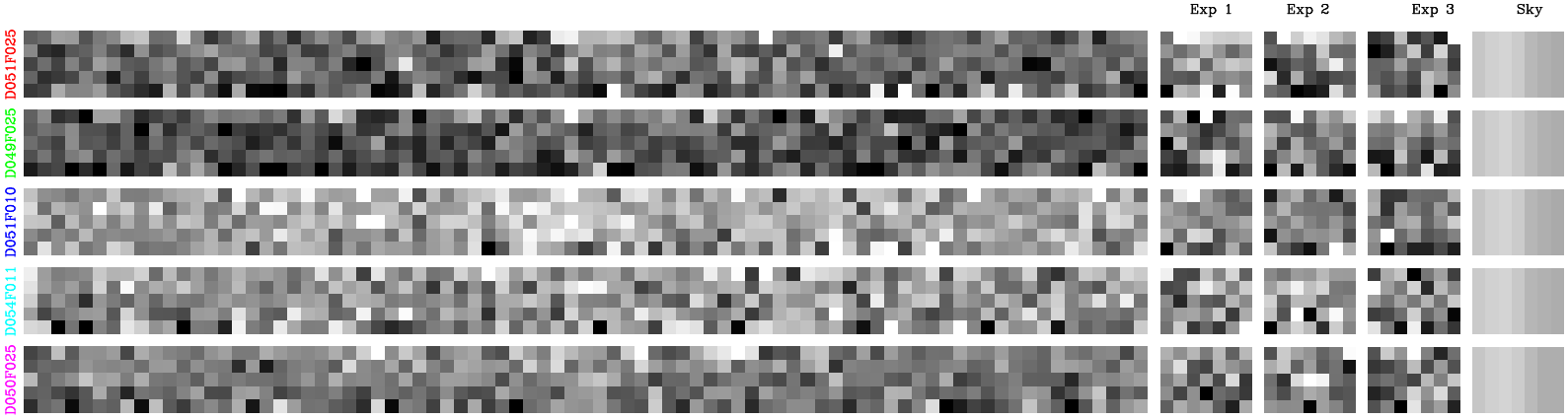
$FWHM_{obs} = 14.91Å$

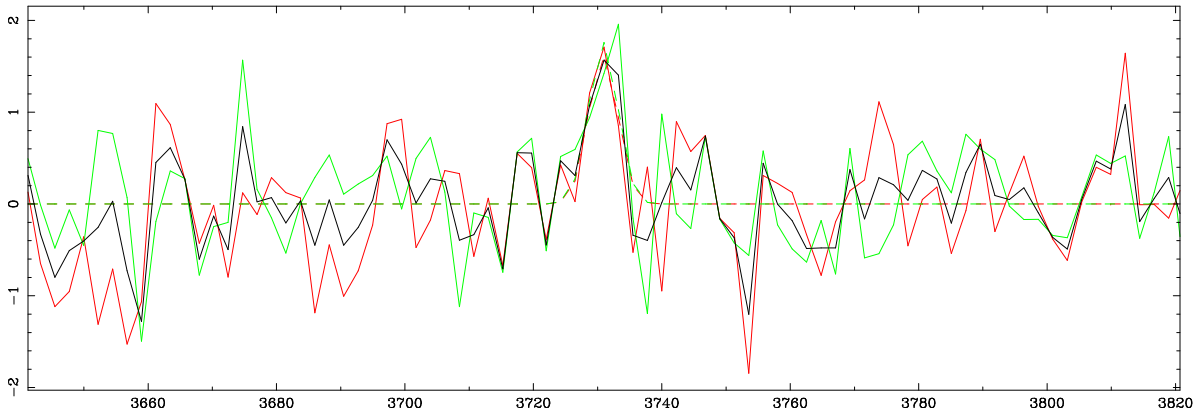
$\lambda_{obs} = 4171.64Å$

$EW_{obs} > 83.37Å$

$\alpha_{2000} = 189.1644°$

$\delta_{2000} = 62.2251°$





S/N = 5.03

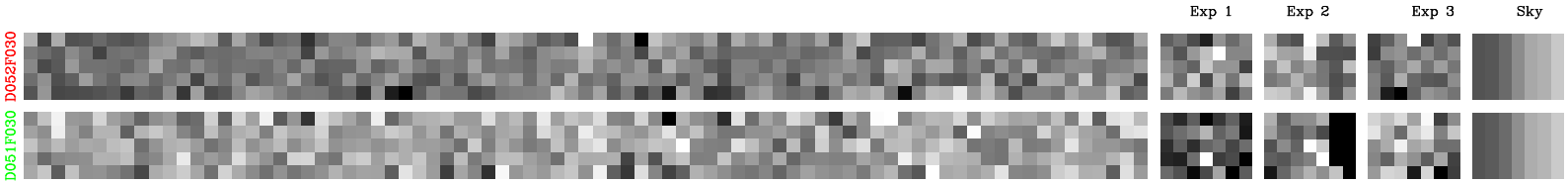
$FWHM_{obs}$ = 5.36Å

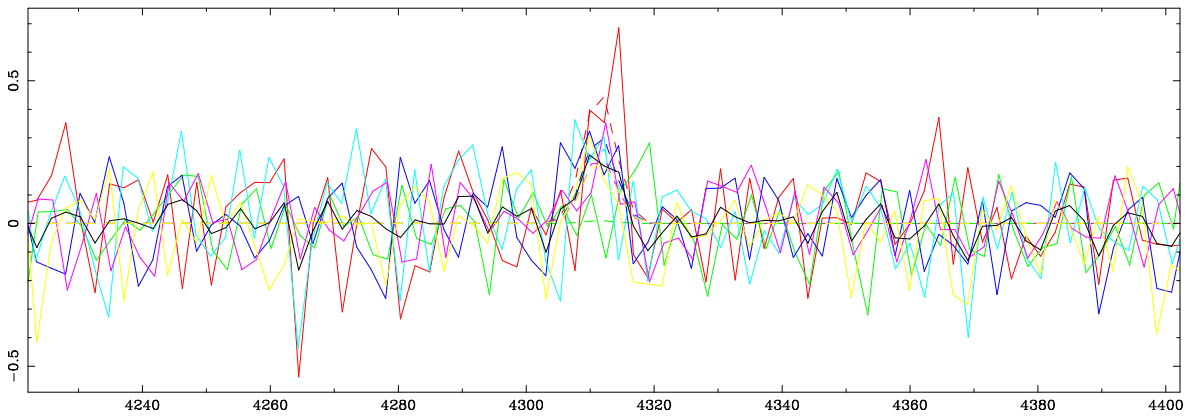
λ_{obs} = 3730.88Å

EW_{obs} = 29.94Å

α_{2000} = 189.1249°

δ_{2000} = 62.2228°





$S/N = 5.87$

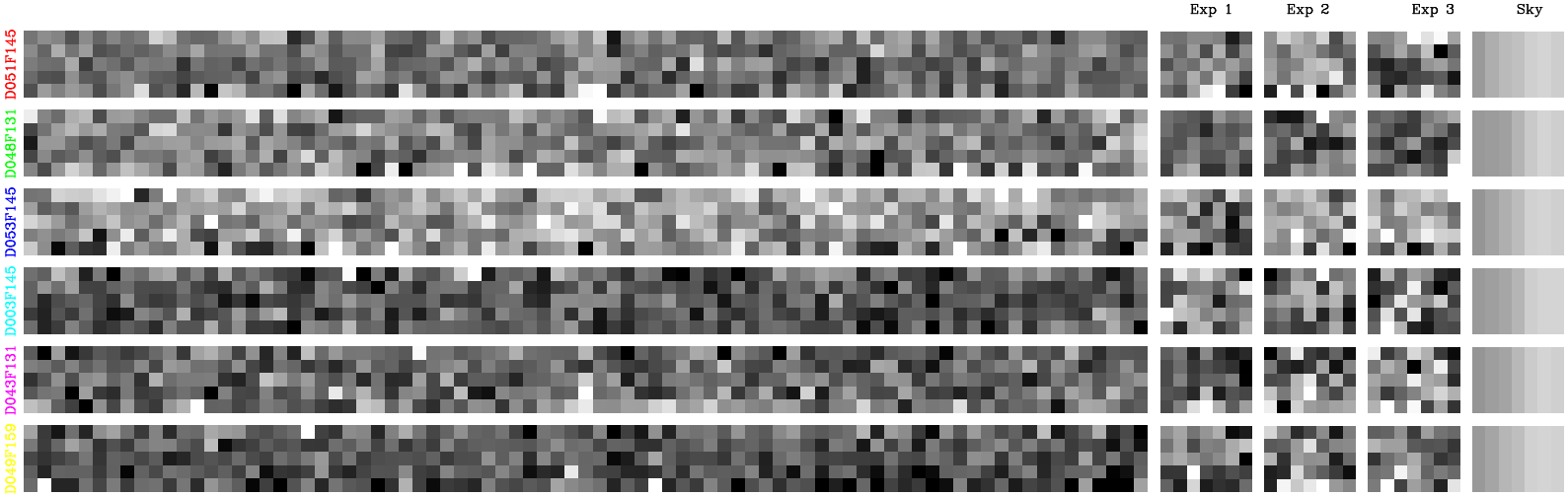
$FWHM_{obs} = 5.89$Å

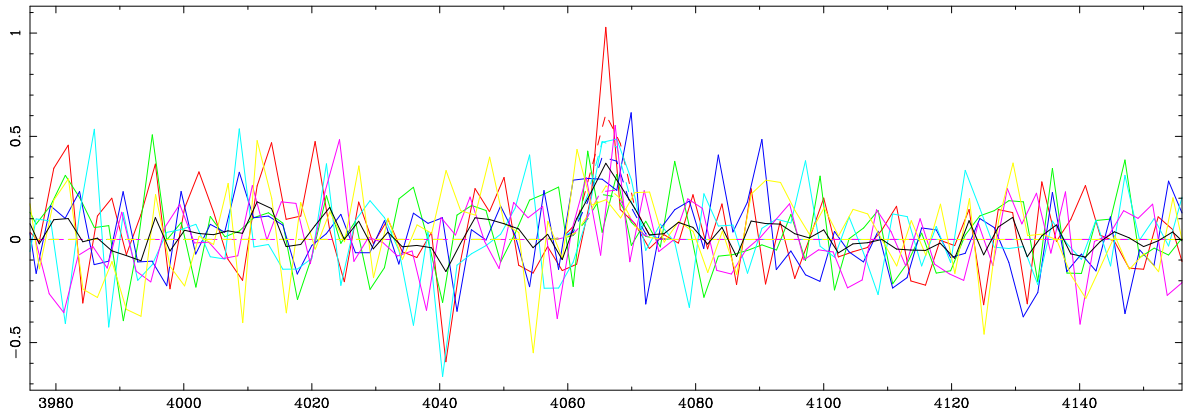
$\lambda_{obs} = 4311.43$Å

$EW_{obs} > 55.88$Å

$\alpha_{2000} = 189.1819°$

$\delta_{2000} = 62.2108°$





$S/N = 5.43$

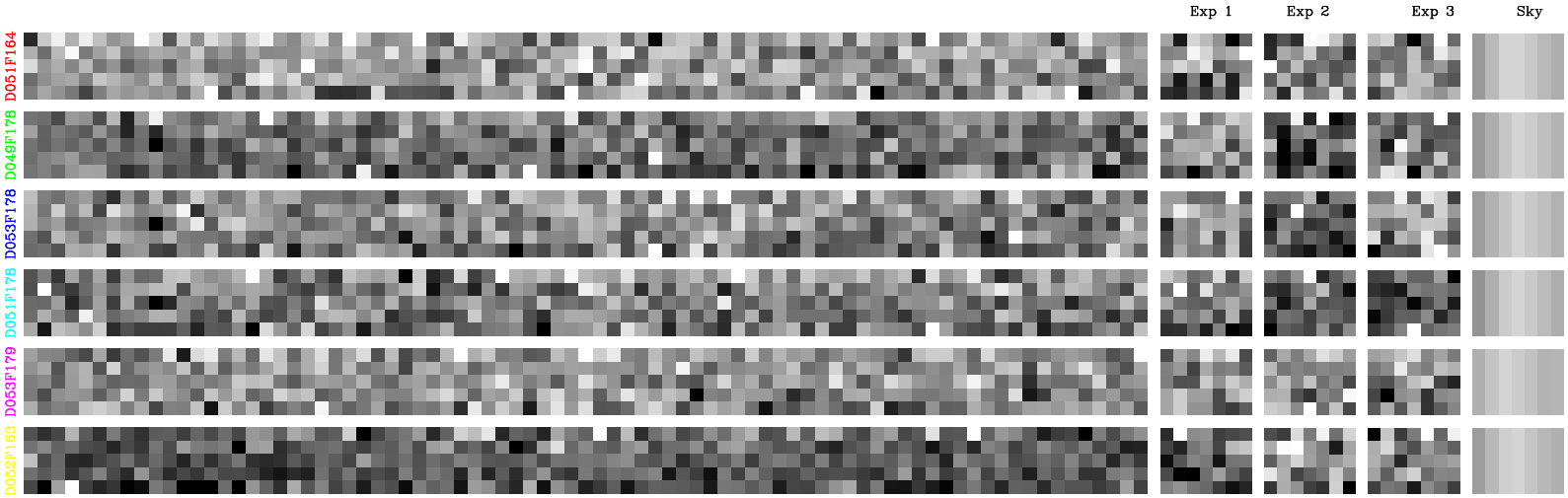
$FWHM_{obs} = 5.82Å$

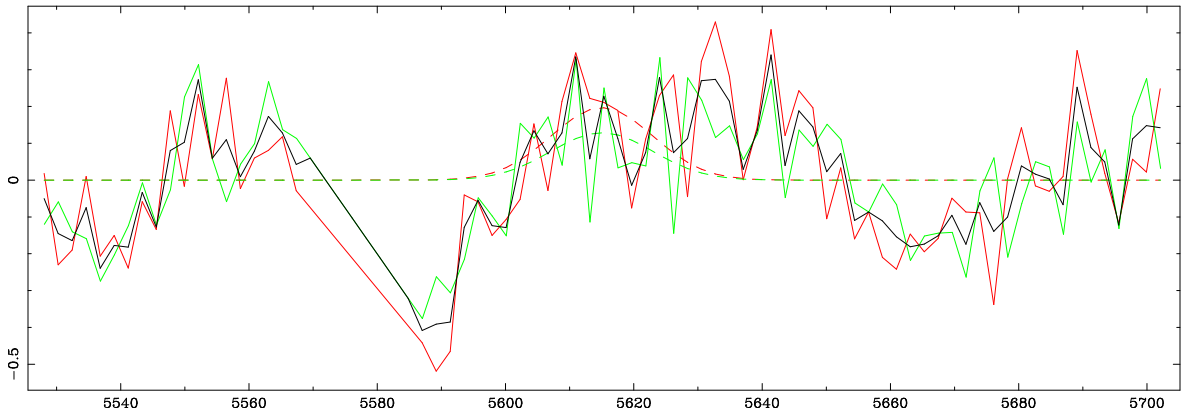
$\lambda_{obs} = 4066.37Å$

$EW_{obs} > 60.07Å$

$\alpha_{2000} = 189.1375°$

$\delta_{2000} = 62.2063°$





S/N = 5.10

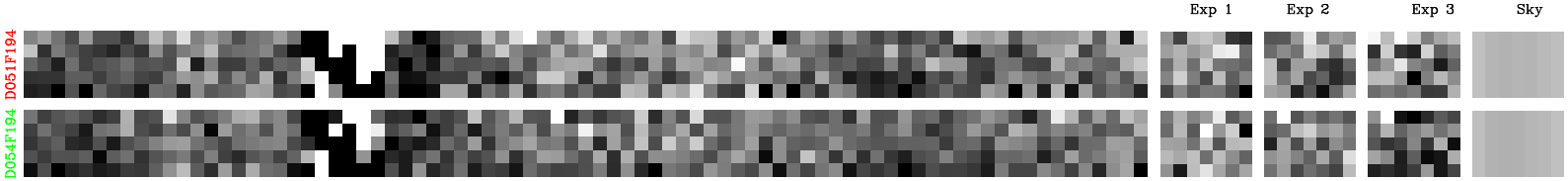
$FWHM_{obs}$ = 18.75Å

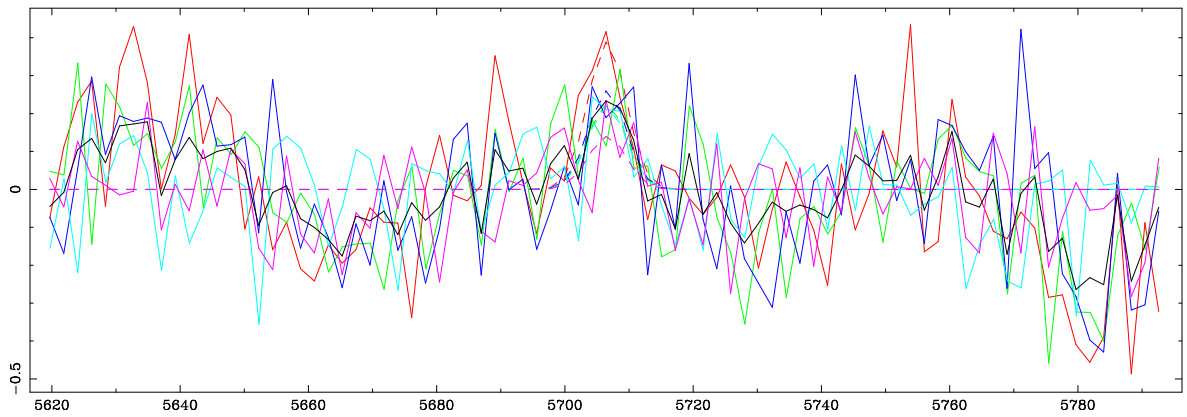
λ_{obs} = 5615.02Å

EW_{obs} = 6.31Å

α_{2000} = 189.1428°

δ_{2000} = 62.2033°





$S/N = 6.04$

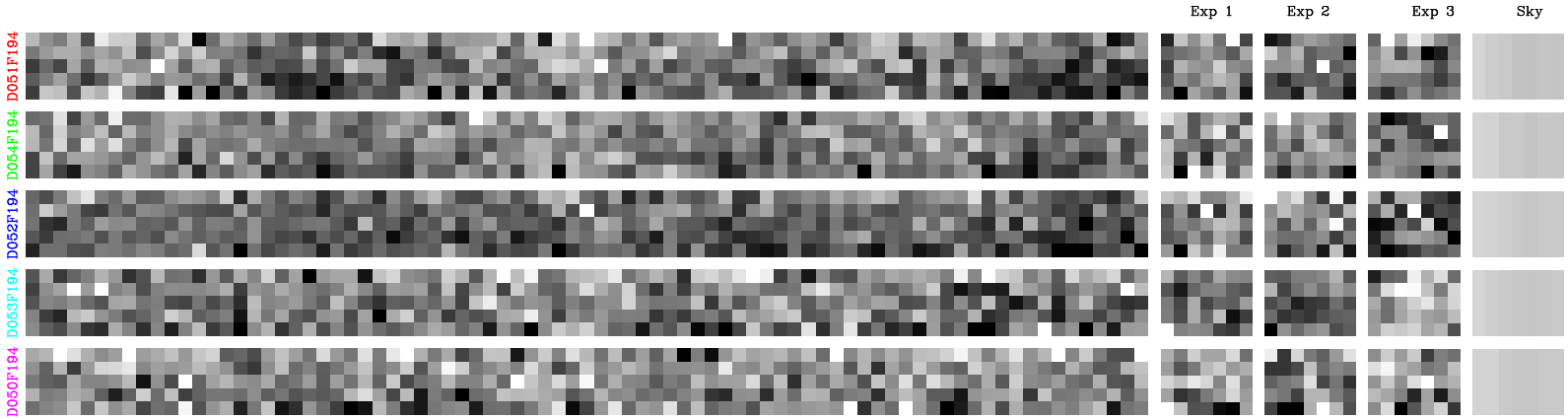
$FWHM_{obs} = 7.03Å$

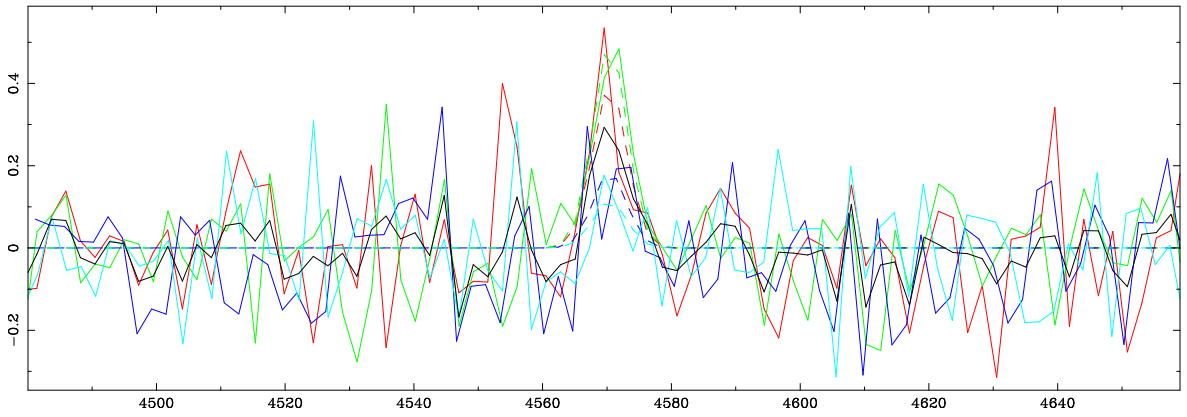
$\lambda_{obs} = 5706.59Å$

$EW_{obs} = 3.95Å$

$\alpha_{2000} = 189.1427°$

$\delta_{2000} = 62.2037°$





$S/N = 6.12$

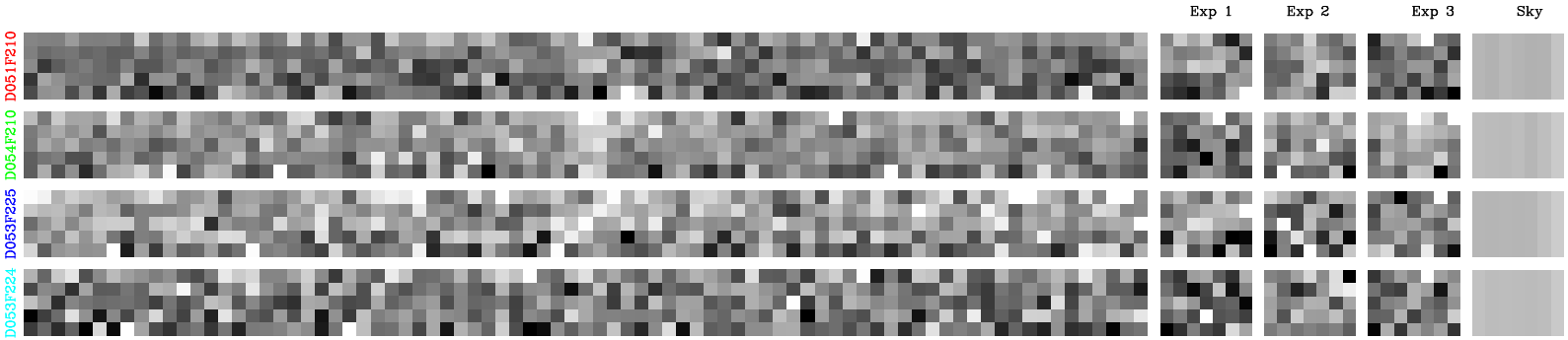
$FWHM_{obs} = 6.26$Å

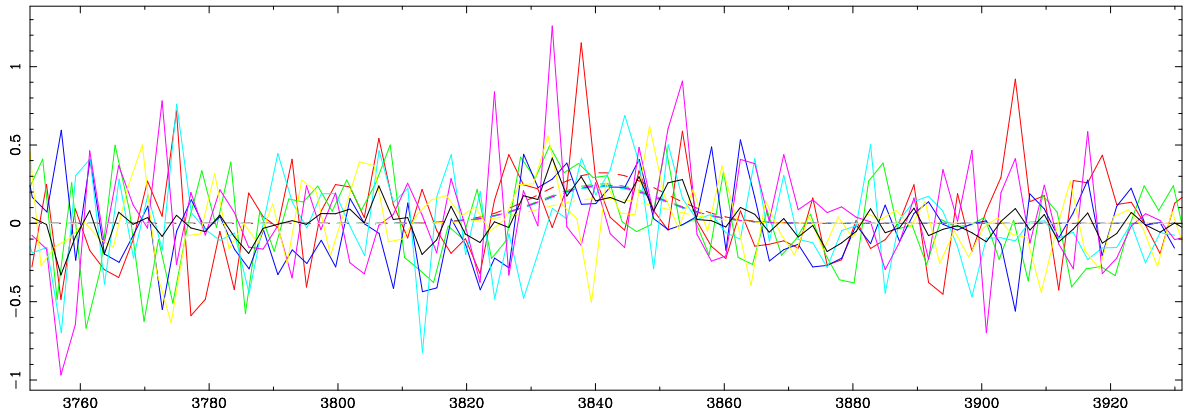
$\lambda_{obs} = 4570.42$Å

$EW_{obs} > 55.53$Å

$\alpha_{2000} = 189.1489°$

$\delta_{2000} = 62.2014°$





$S/N = 5.08$

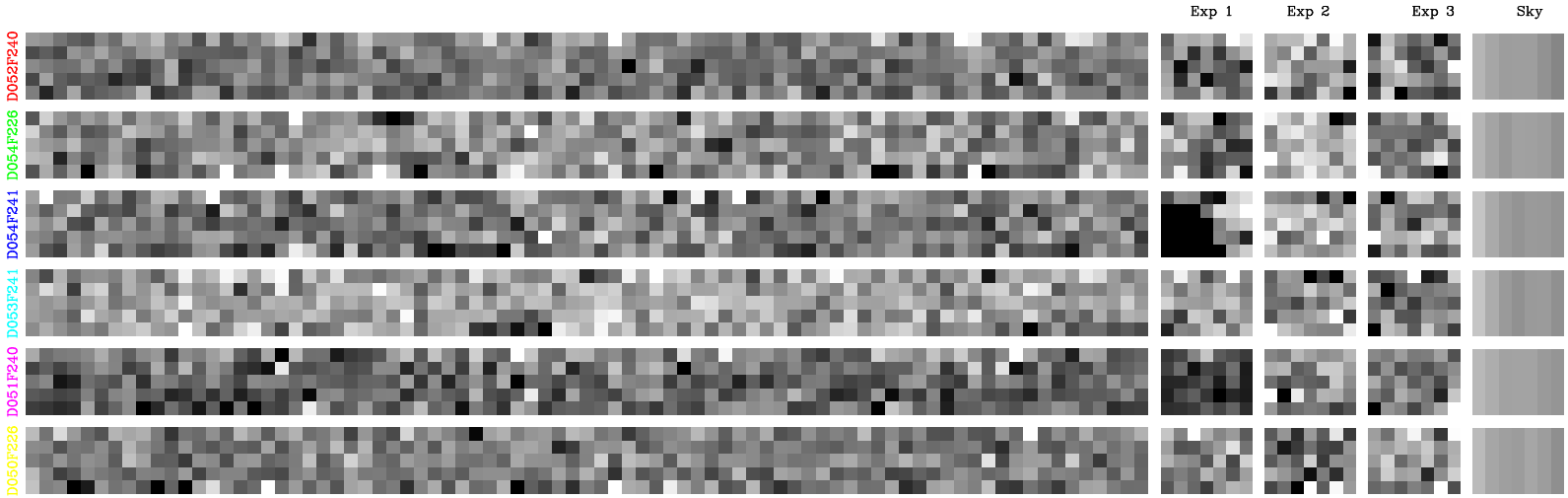
$FWHM_{obs} = 22.06$Å

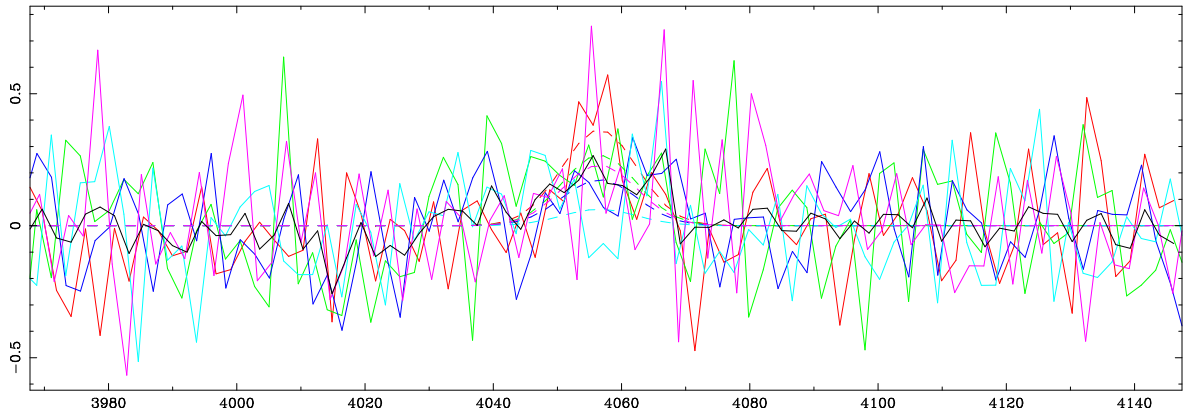
$\lambda_{obs} = 3841.18$Å

$EW_{obs} > 92.59$Å

$\alpha_{2000} = 189.1552°$

$\delta_{2000} = 62.1989°$





S/N = 5.16

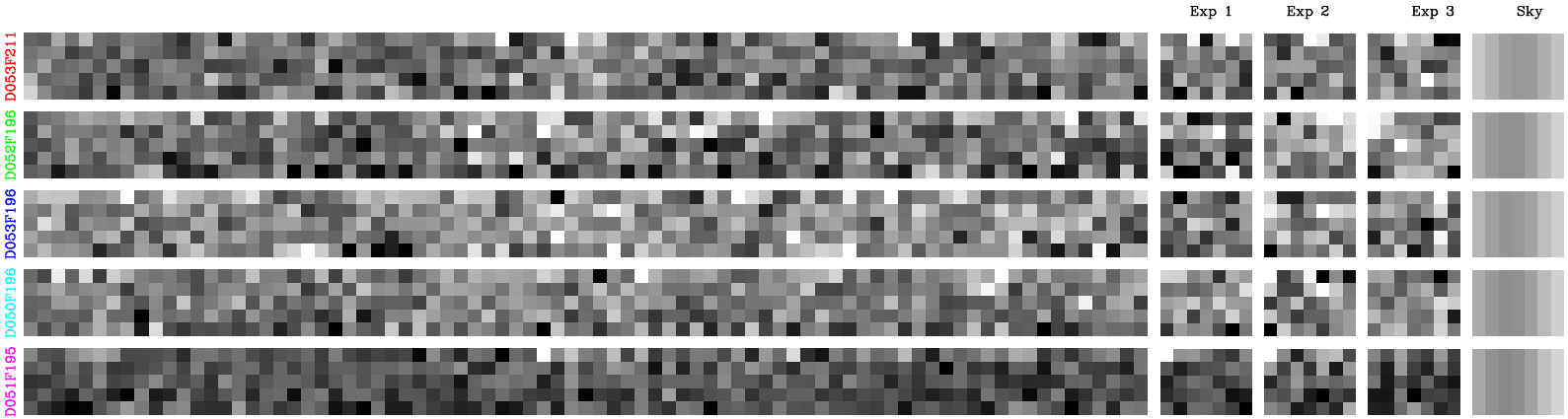
$FWHM_{obs}$ = 13.81Å

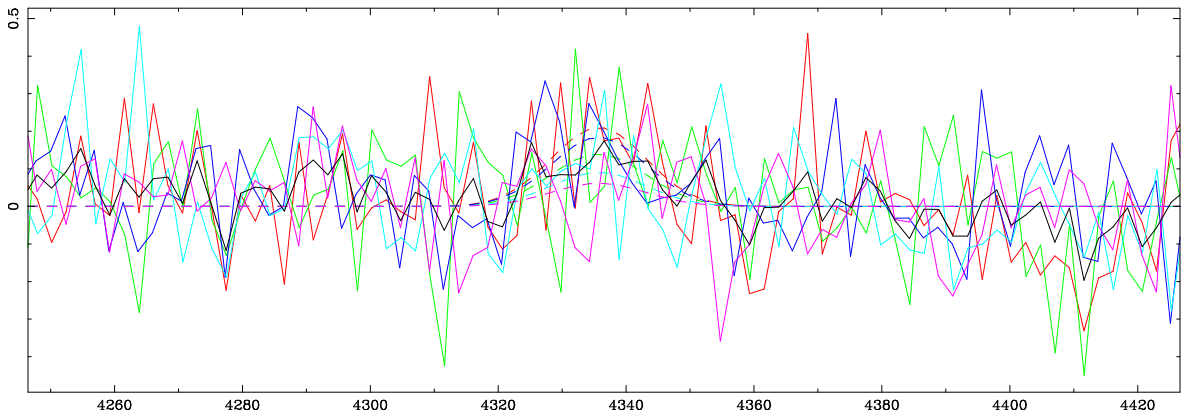
λ_{obs} = 4056.55Å

EW_{obs} > 78.74Å

α_{2000} = 189.1511°

δ_{2000} = 62.2034°





S/N = 5.59

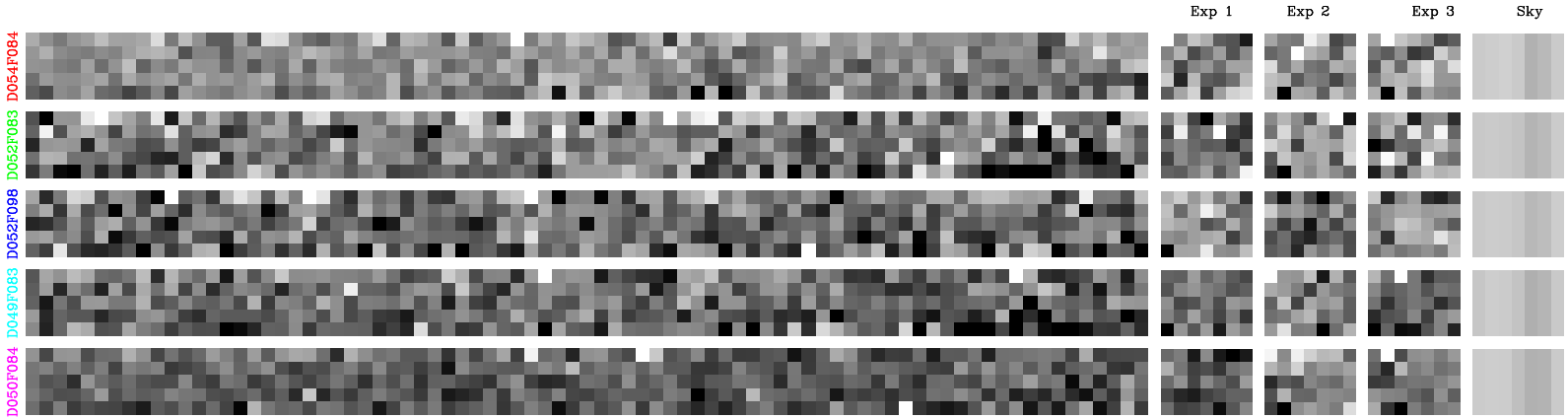
$FWHM_{obs}$ = 17.44Å

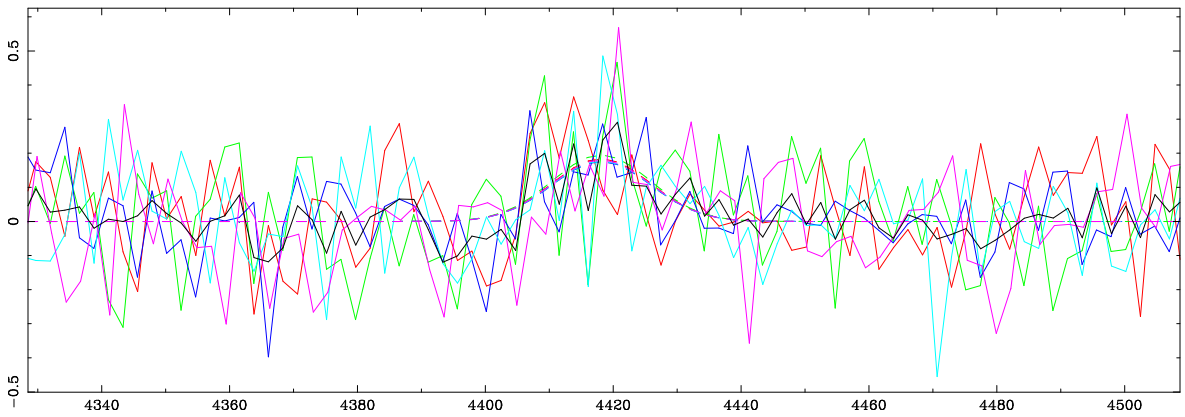
λ_{obs} = 4335.70Å

EW_{obs} > 80.50Å

α_{2000} = 189.1671°

δ_{2000} = 62.2171°





S/N = 5.87

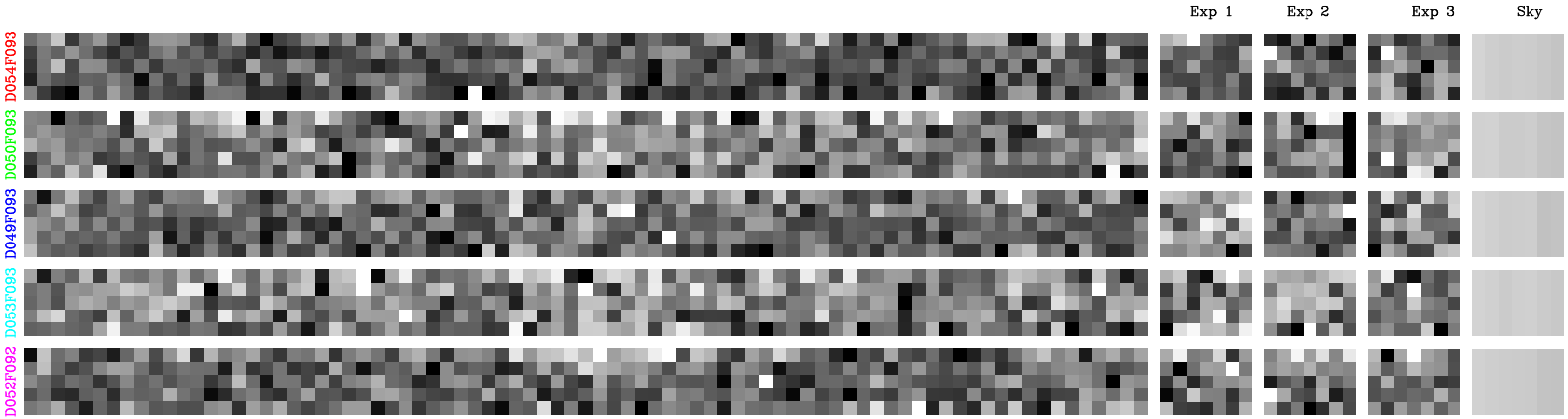
$FWHM_{obs}$ = 18.19Å

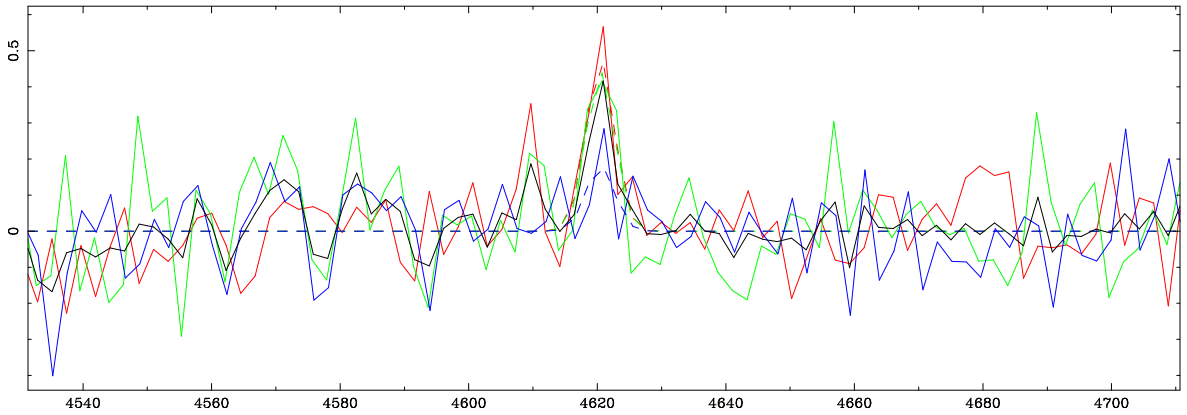
λ_{obs} = 4418.14Å

EW_{obs} = 42.07Å

α_{2000} = 189.1441°

δ_{2000} = 62.2161°





$S/N = 5.14$

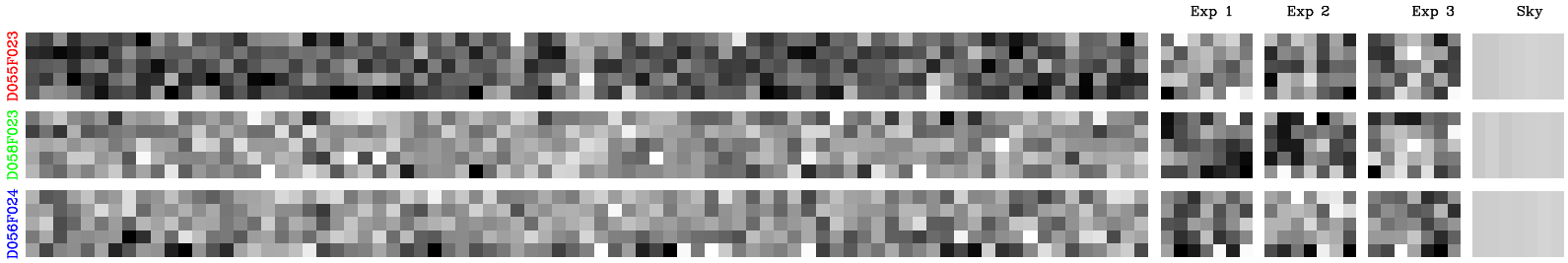
$FWHM_{obs} = 5.20$Å

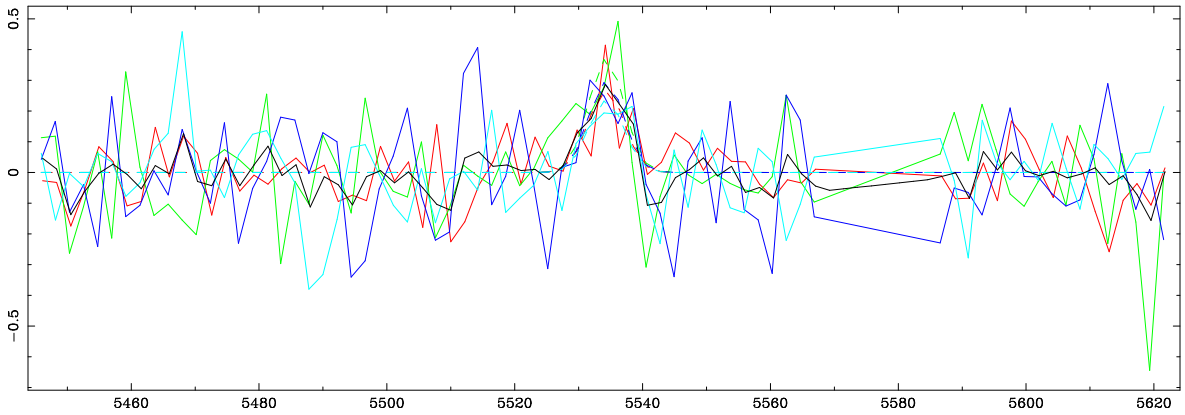
$\lambda_{obs} = 4620.47$Å

$EW_{obs} > 49.53$Å

$\alpha_{2000} = 189.2792°$

$\delta_{2000} = 62.2252°$





$S/N = 5.73$

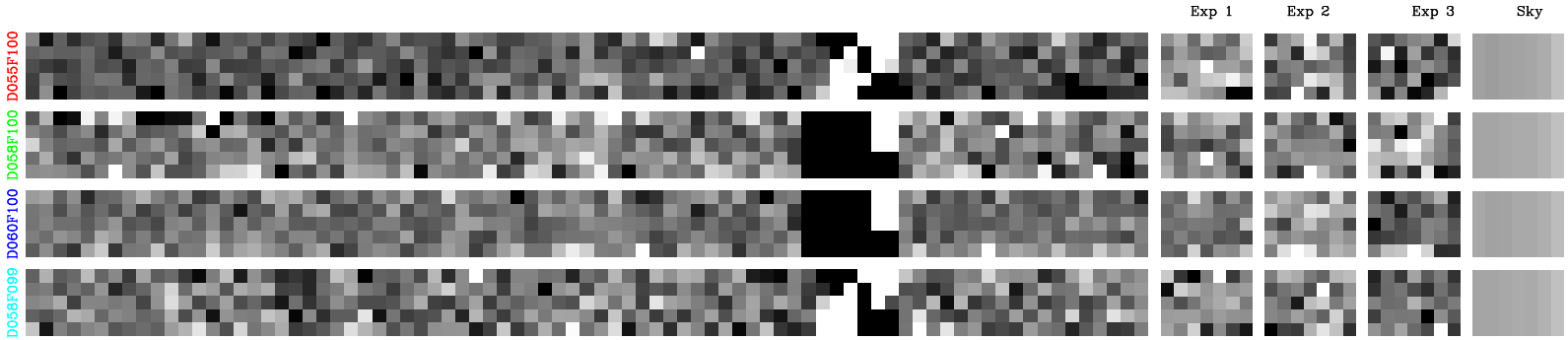
$FWHM_{obs} = 6.56Å$

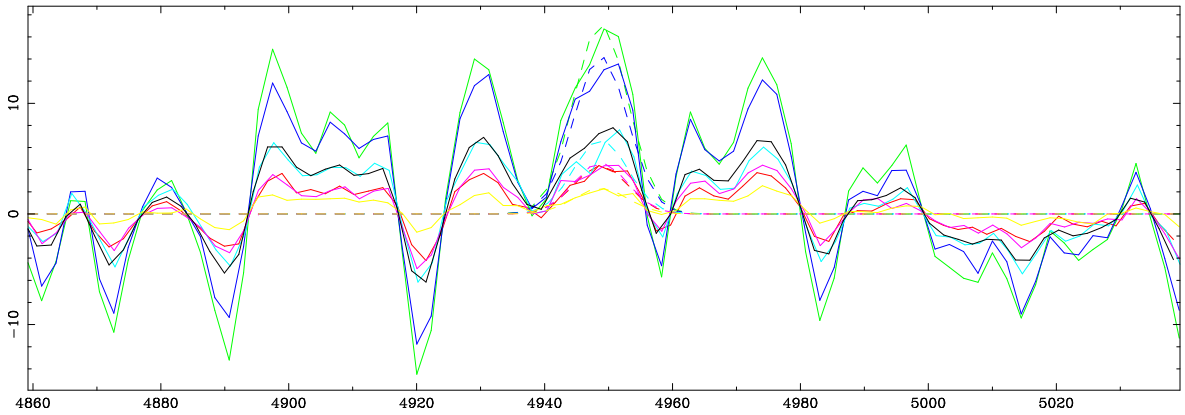
$\lambda_{obs} = 5534.31Å$

$EW_{obs} > 56.82Å$

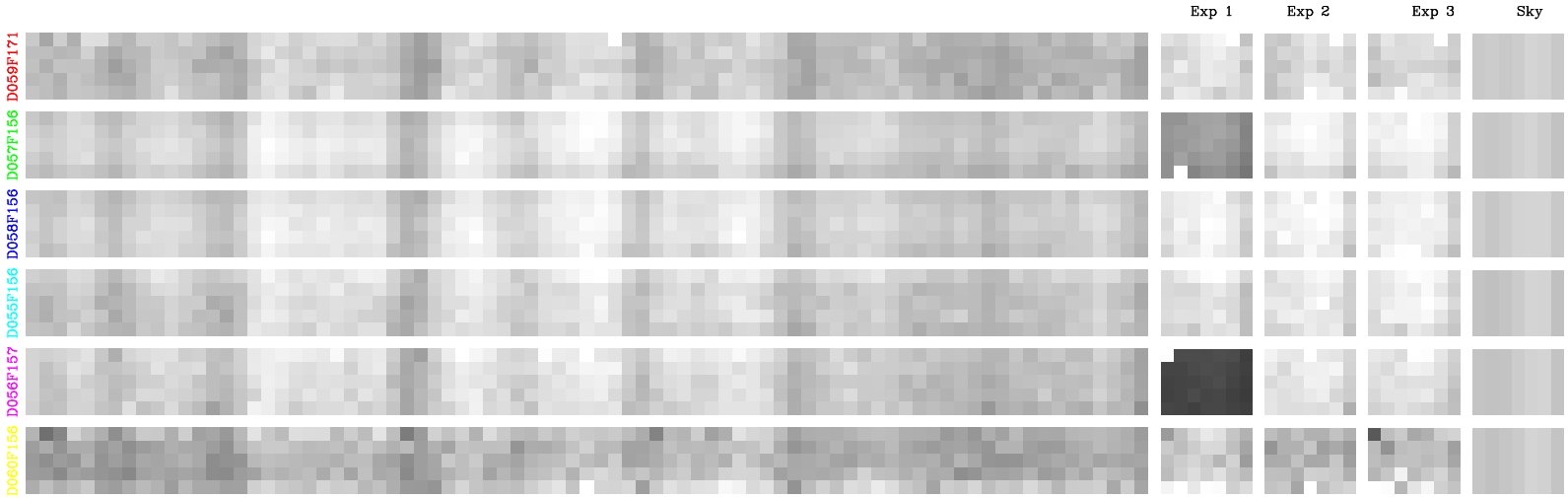
$\alpha_{2000} = 189.2967°$

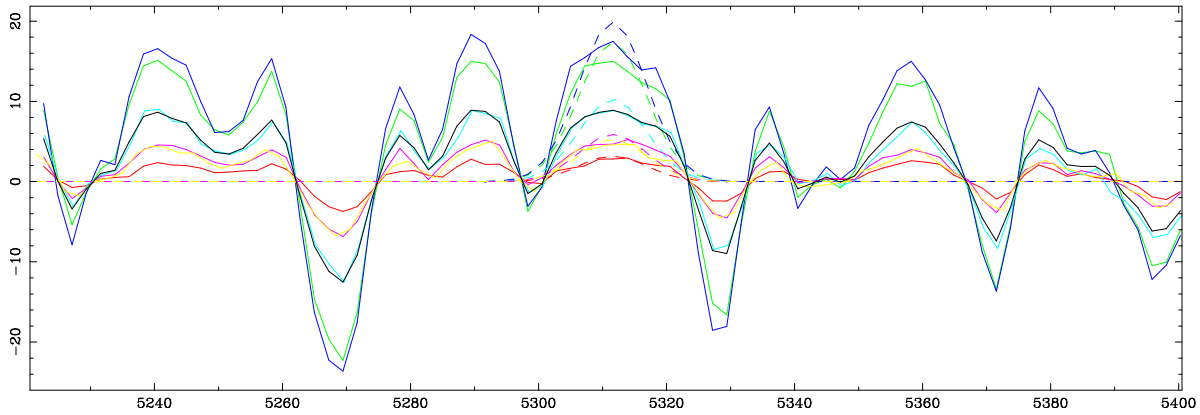
$\delta_{2000} = 62.2161°$



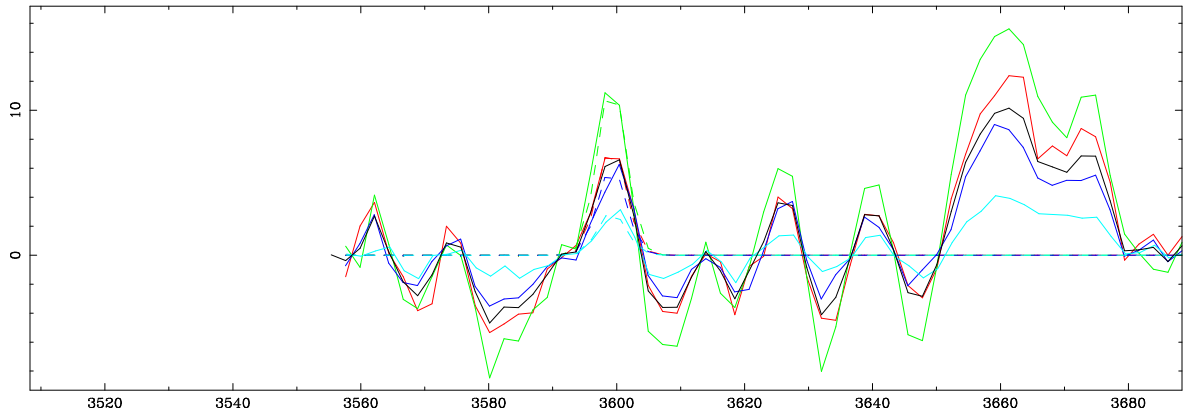


S/N = 75.35
$FWHM_{obs}$ = 9.88Å
λ_{obs} = 4948.78Å
EW_{obs} = 1.76Å
α_{2000} = 189.2892°
δ_{2000} = 62.2090°





S/N = 118.73
$FWHM_{obs}$ = 12.61Å
λ_{obs} = 5311.59Å
EW_{obs} = 2.94Å
α_{2000} = 189.2892°
δ_{2000} = 62.2090°



$S/N = 21.93$

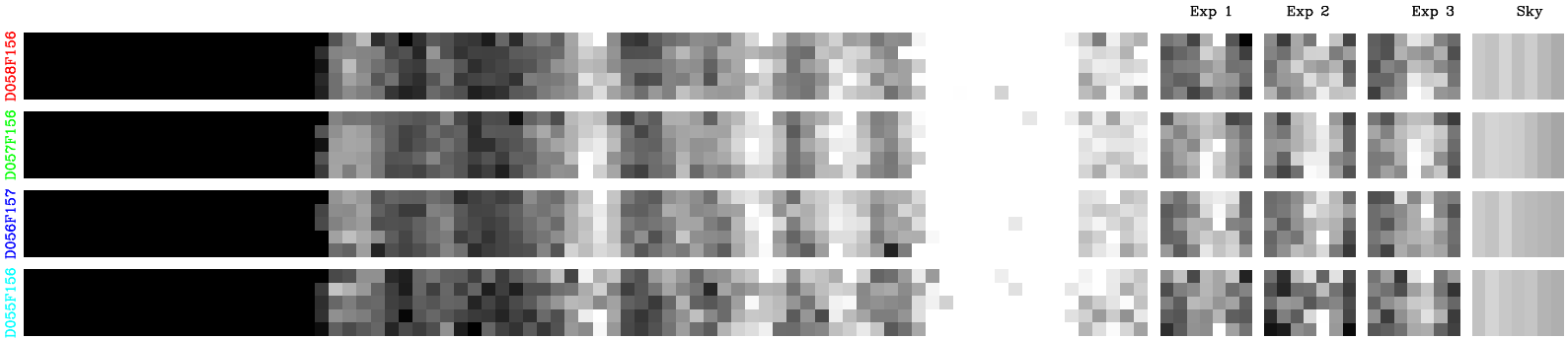
$FWHM_{obs} = 5.27Å$

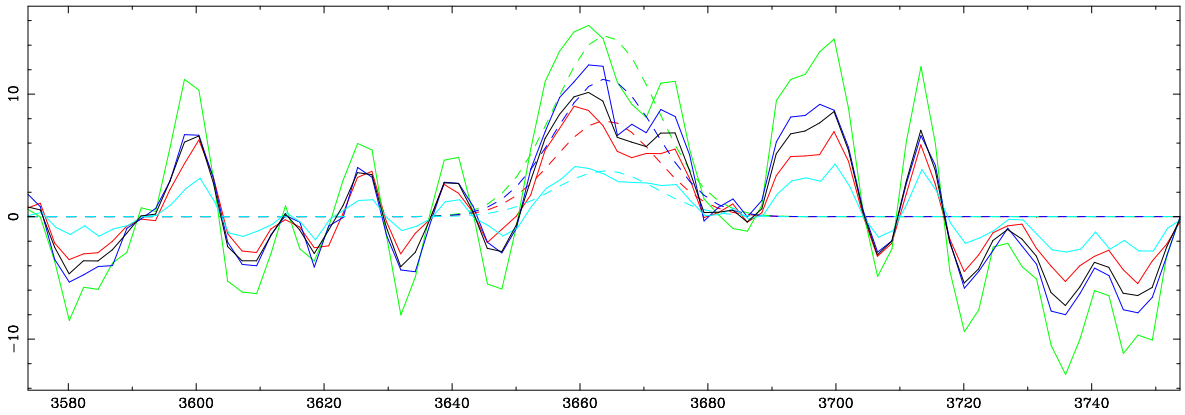
$\lambda_{obs} = 3599.24Å$

$EW_{obs} = 3.03Å$

$\alpha_{2000} = 189.2895°$

$\delta_{2000} = 62.2091°$





S/N = 63.77

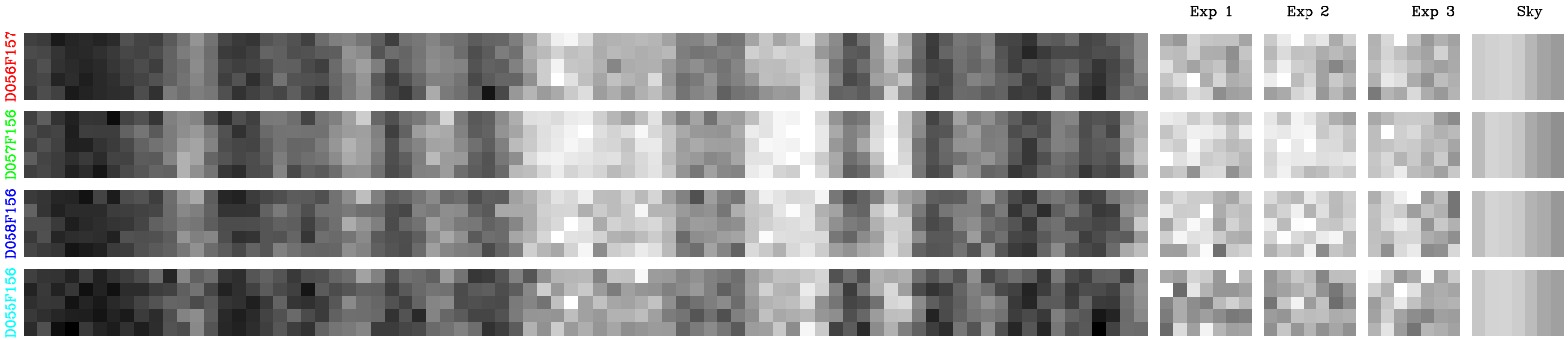
$FWHM_{obs}$ = 18.82Å

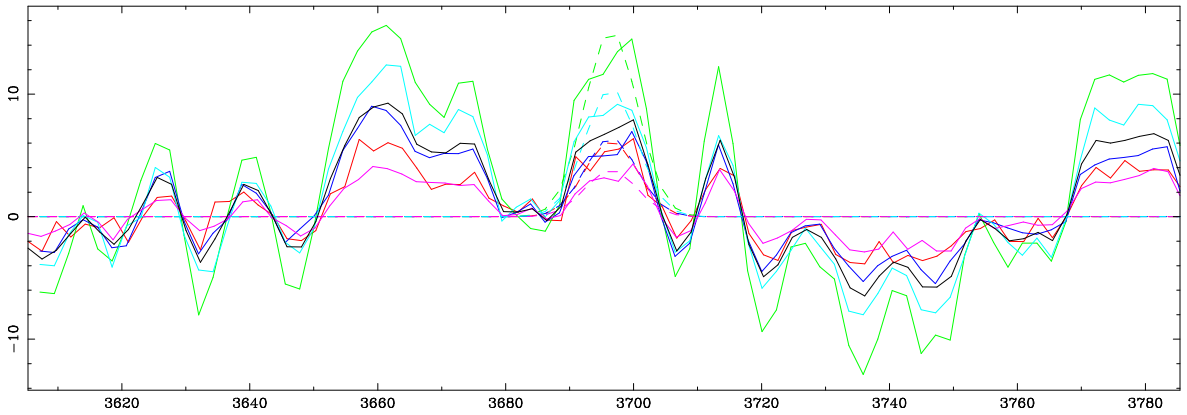
λ_{obs} = 3663.99Å

EW_{obs} = 16.71Å

α_{2000} = 189.2895°

δ_{2000} = 62.2091°





$S/N = 39.99$

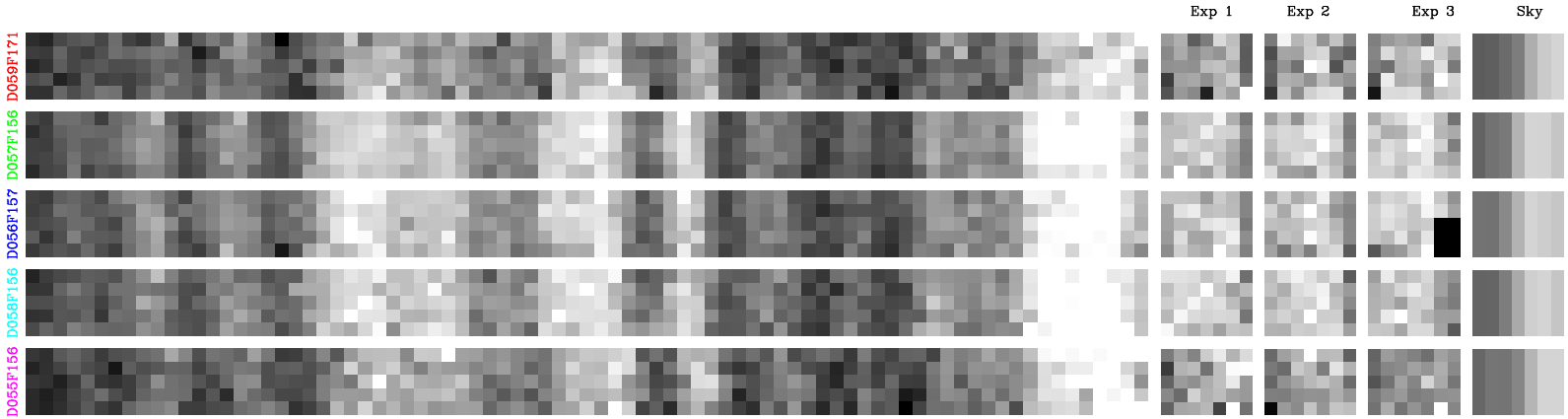
$FWHM_{obs} = 9.57Å$

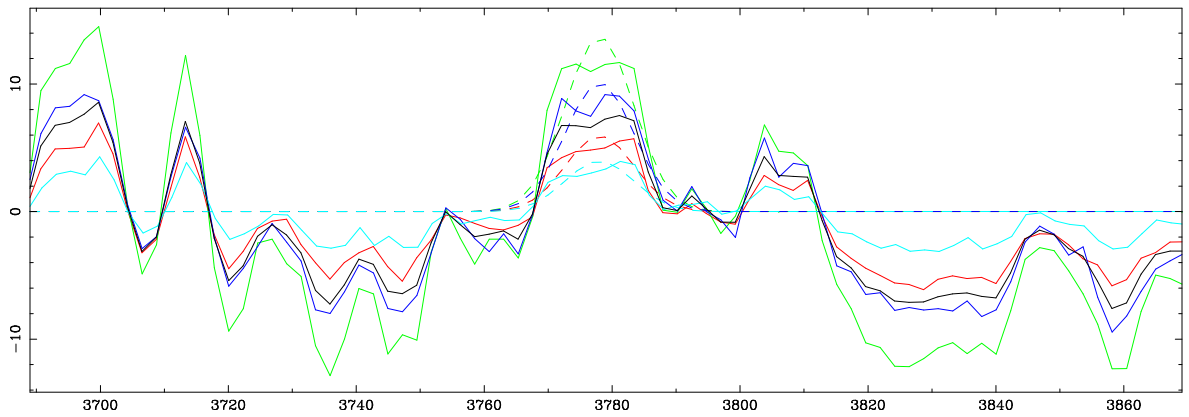
$\lambda_{obs} = 3696.46Å$

$EW_{obs} = 6.93Å$

$\alpha_{2000} = 189.2894°$

$\delta_{2000} = 62.2089°$





$S/N = 52.29$

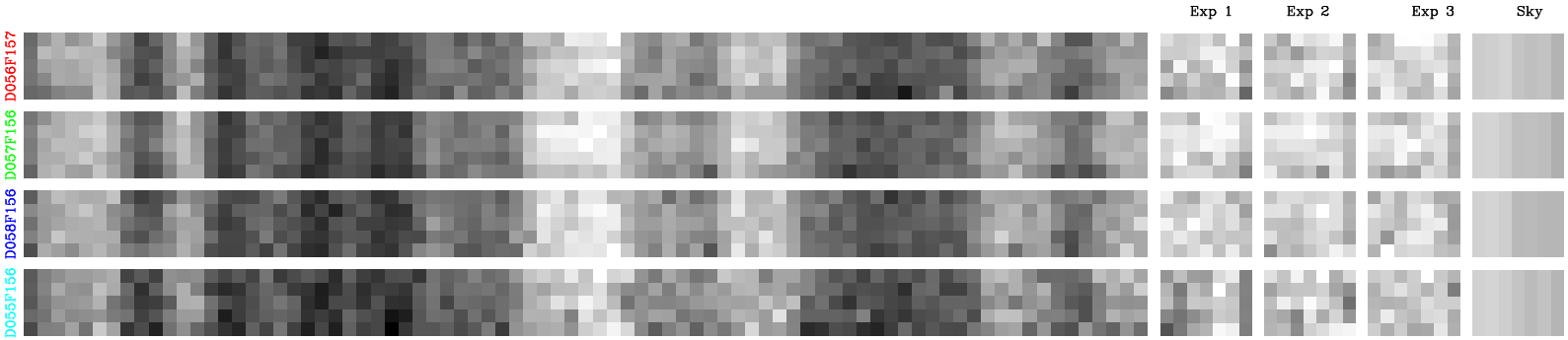
$FWHM_{obs} = 12.69Å$

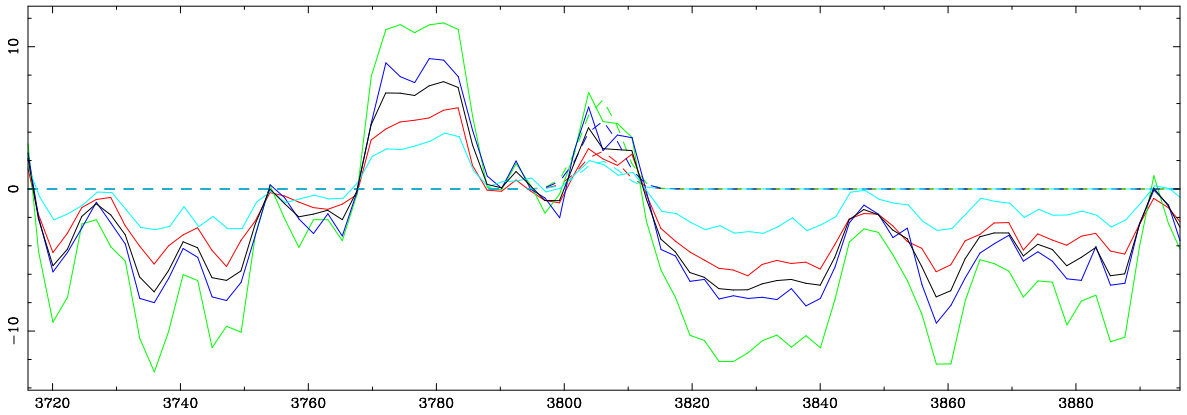
$\lambda_{obs} = 3778.03Å$

$EW_{obs} = 9.34Å$

$\alpha_{2000} = 189.2894°$

$\delta_{2000} = 62.2091°$





$S/N = 23.14$

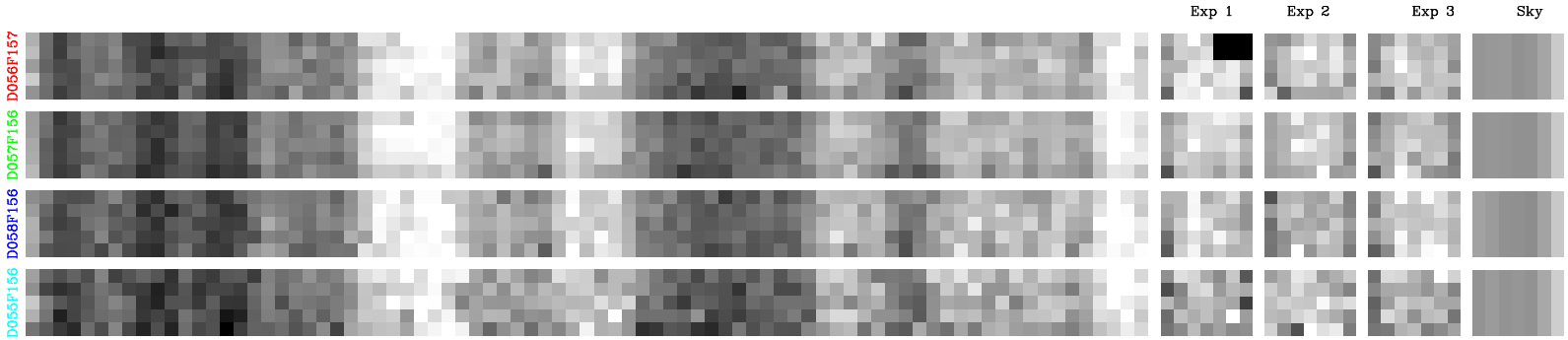
$FWHM_{obs} = 7.18Å$

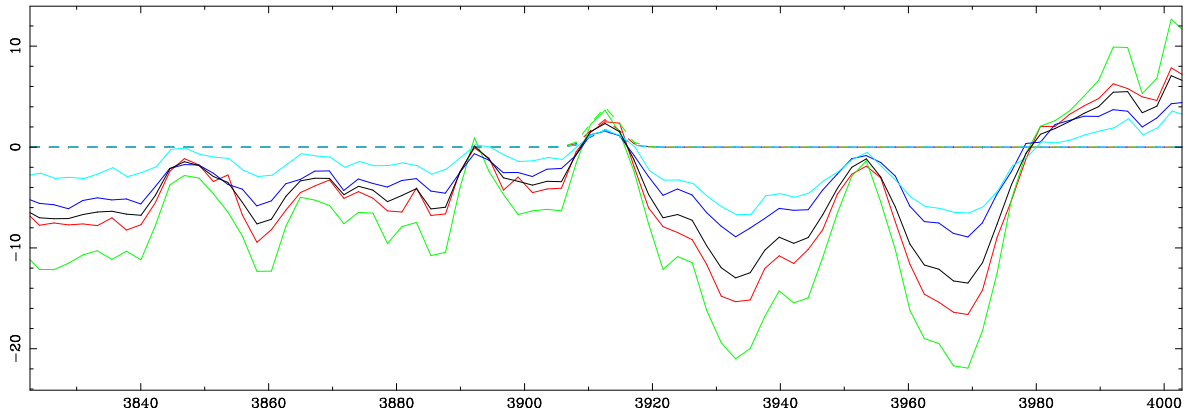
$\lambda_{obs} = 3805.70Å$

$EW_{obs} = 2.62Å$

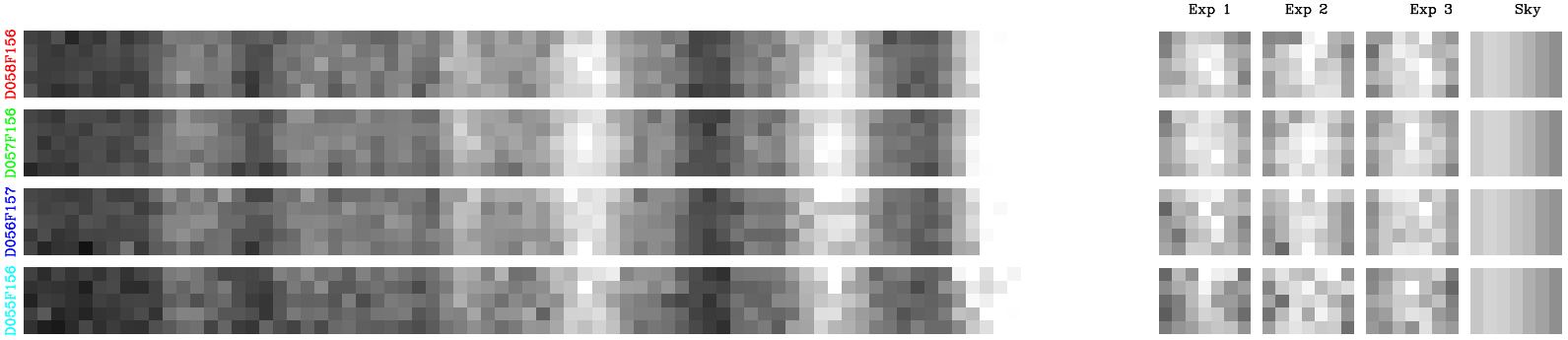
$\alpha_{2000} = 189.2894°$

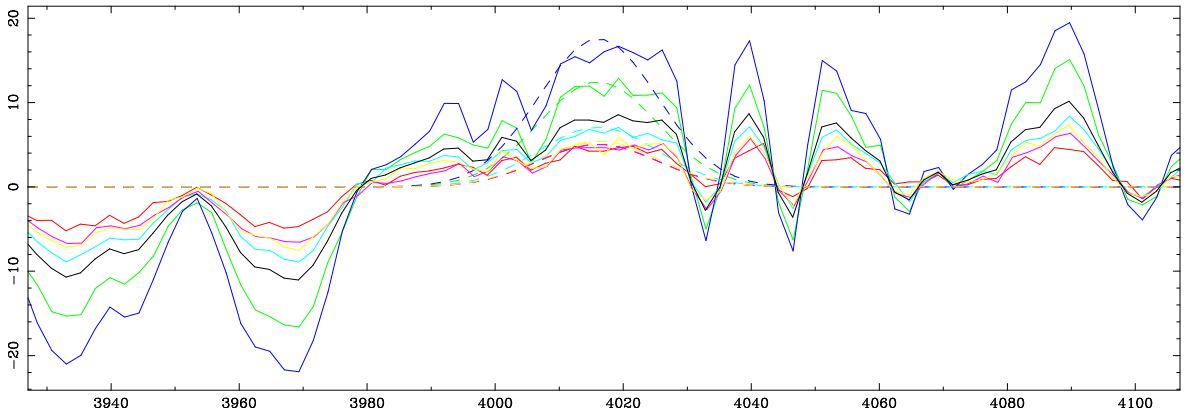
$\delta_{2000} = 62.2091°$



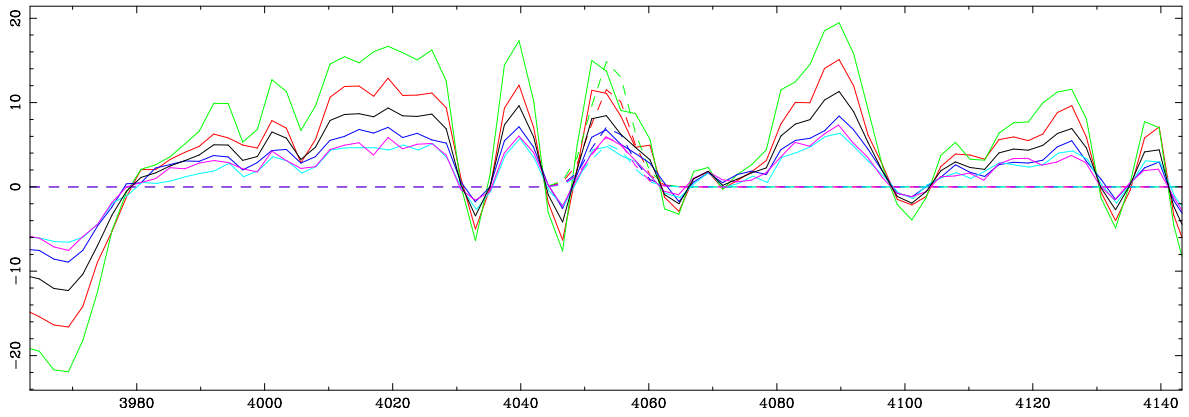


S/N = 11.14
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 3912.59Å
EW_{obs} = 0.74Å
α_{2000} = 189.2894°
δ_{2000} = 62.2091°

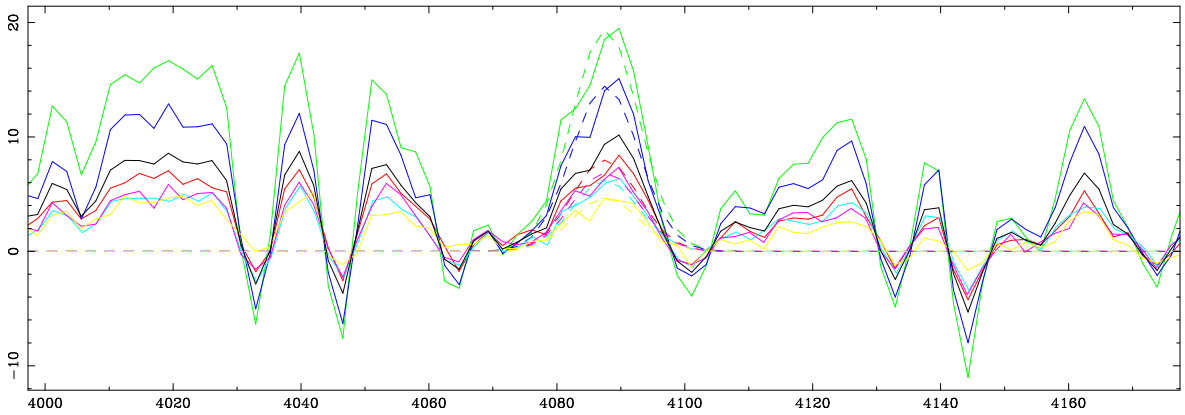




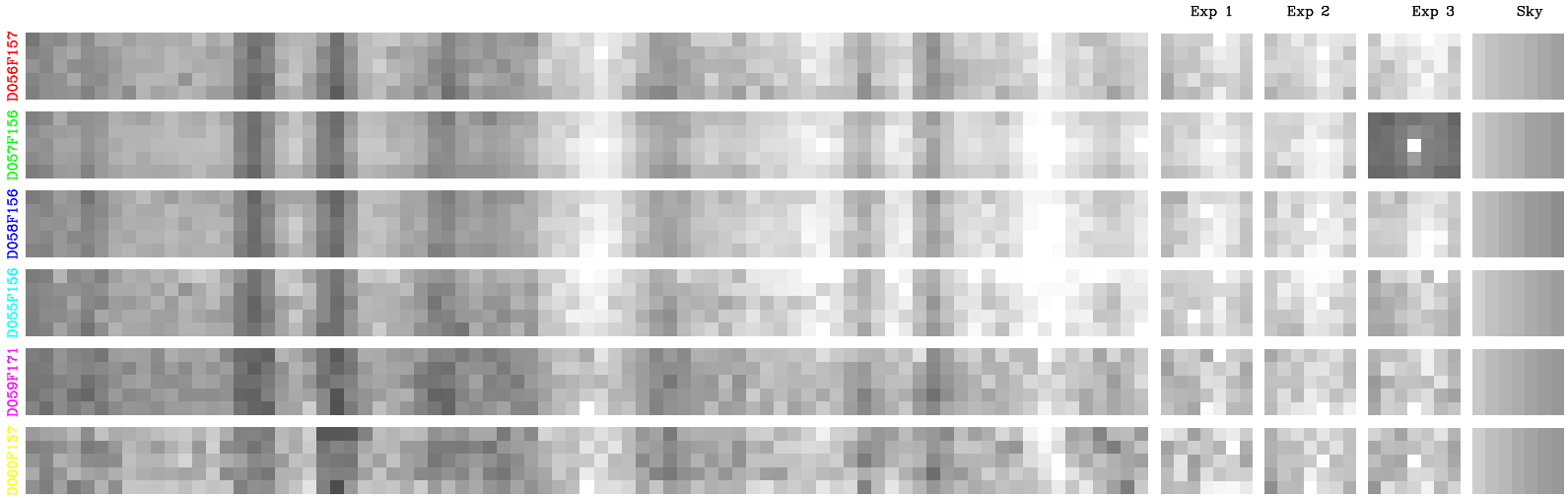
S/N = 110.68
$FWHM_{obs}$ = 21.90Å
λ_{obs} = 4016.08Å
EW_{obs} = 10.62Å
α_{2000} = 189.2896°
δ_{2000} = 62.2089°

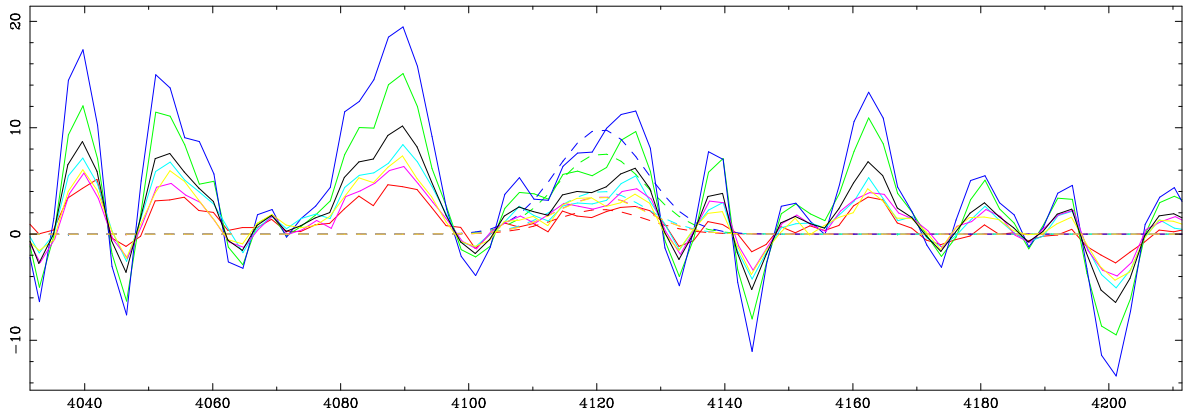


S/N = 53.23
$FWHM_{obs}$ = 7.09Å
λ_{obs} = 4053.97Å
EW_{obs} = 2.48Å
α_{2000} = 189.2894°
δ_{2000} = 62.2090°



S/N = 92.63
$FWHM_{obs}$ = 12.27Å
λ_{obs} = 4087.59Å
EW_{obs} = 5.13Å
α_{2000} = 189.2896°
δ_{2000} = 62.2089°





$S/N = 55.28$

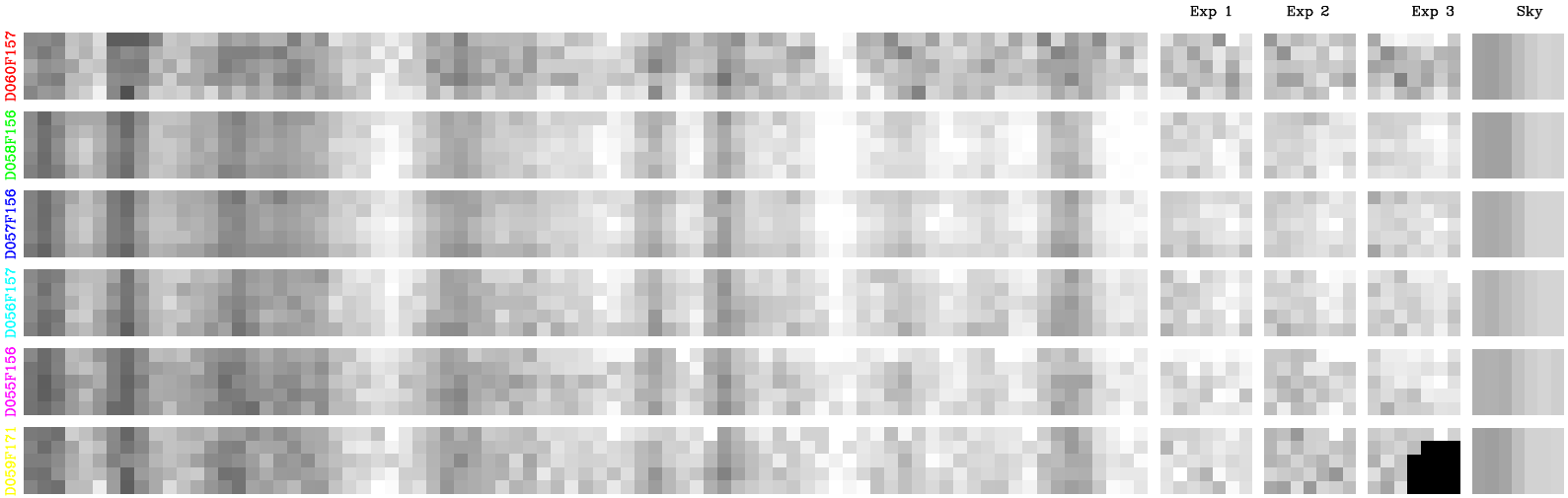
$FWHM_{obs} = 16.45Å$

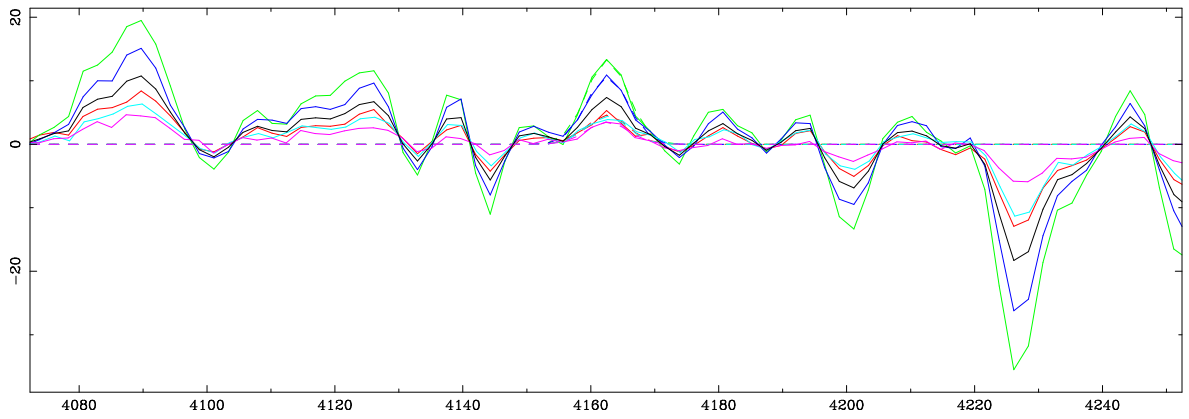
$\lambda_{obs} = 4120.67Å$

$EW_{obs} = 3.33Å$

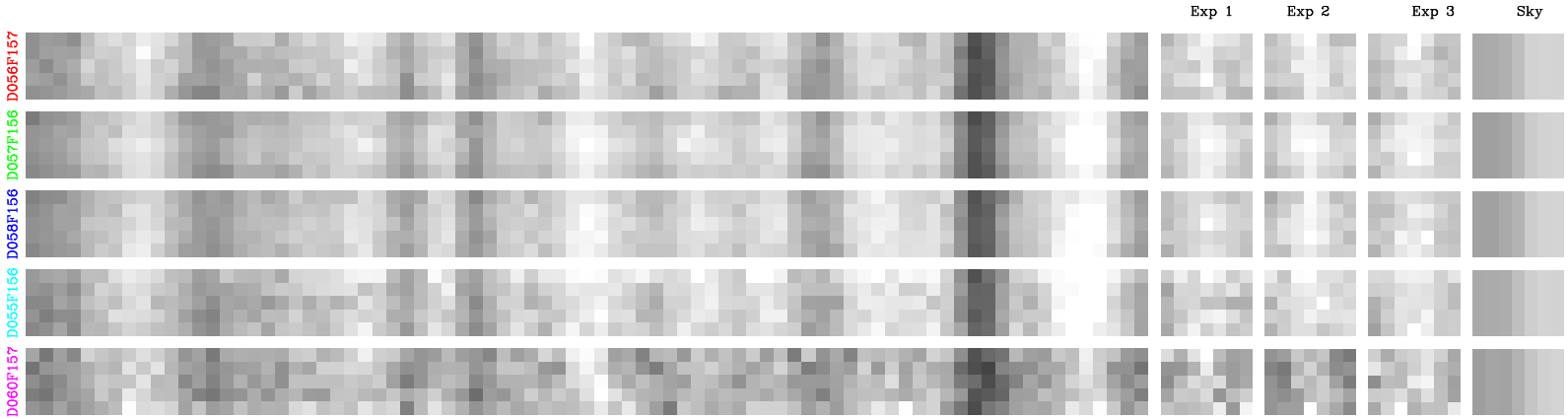
$\alpha_{2000} = 189.2896°$

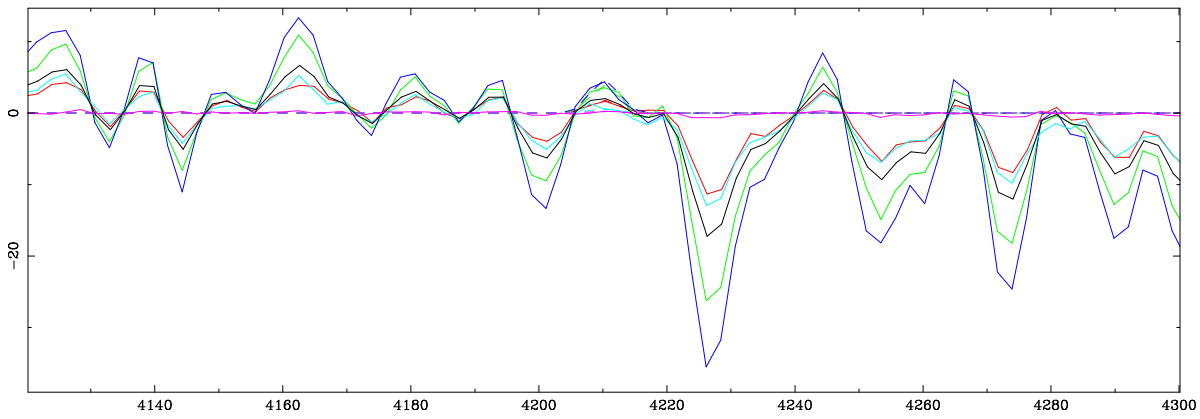
$\delta_{2000} = 62.2090°$





S/N = 49.43
$FWHM_{obs}$ = 7.67Å
λ_{obs} = 4162.58Å
EW_{obs} = 2.00Å
α_{2000} = 189.2896°
δ_{2000} = 62.2091°





$S/N = 15.54$

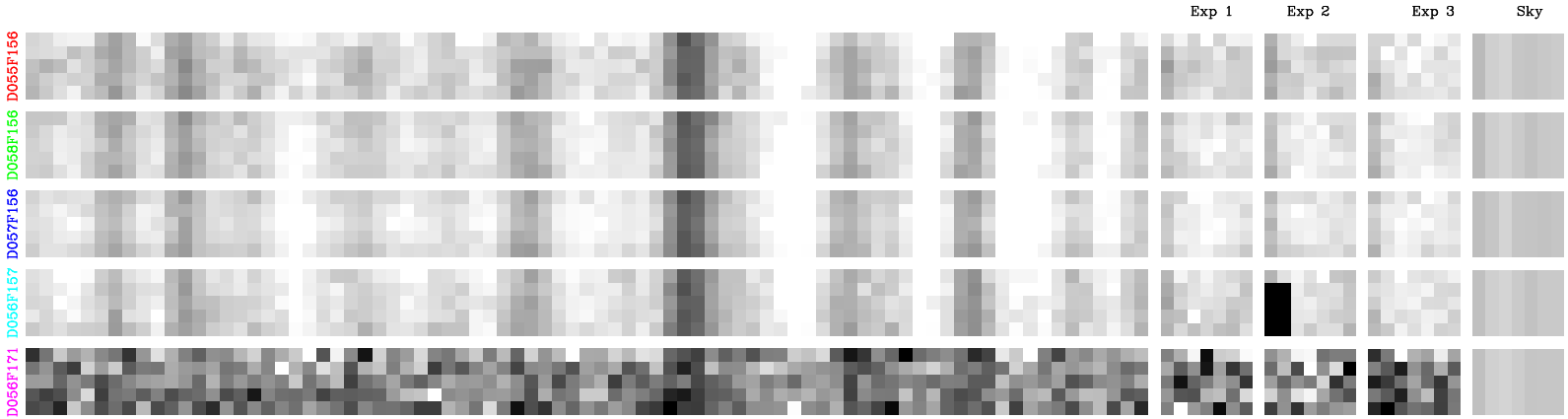
$FWHM_{obs} = 5.20Å$

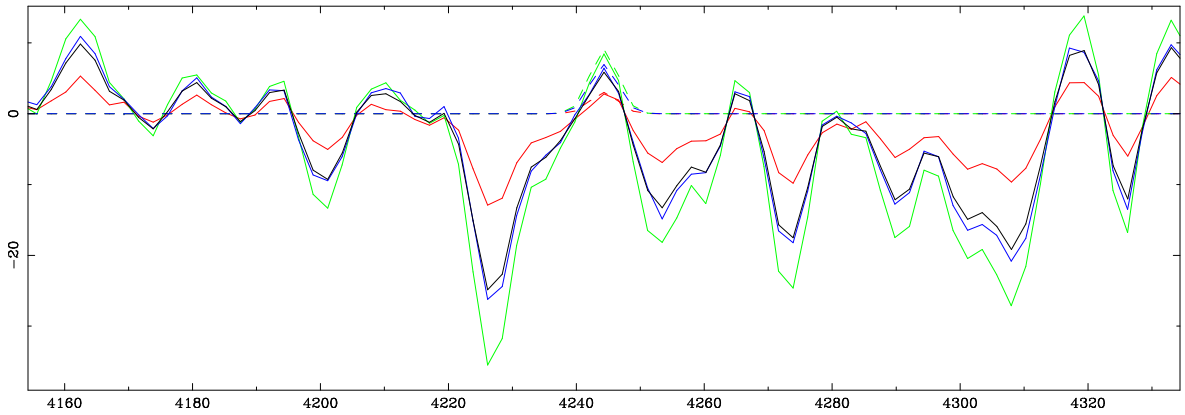
$\lambda_{obs} = 4210.24Å$

$EW_{obs} = 0.44Å$

$\alpha_{2000} = 189.2892°$

$\delta_{2000} = 62.2091°$





$S/N = 22.22$

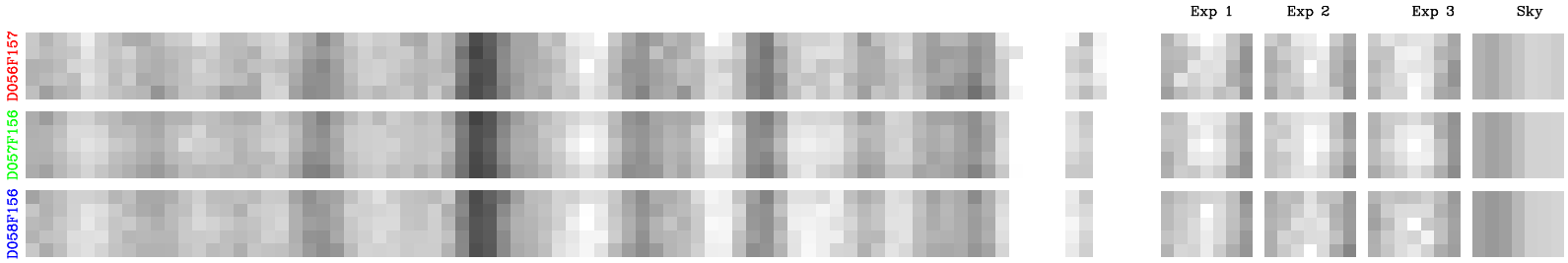
$FWHM_{obs} = 5.21$Å

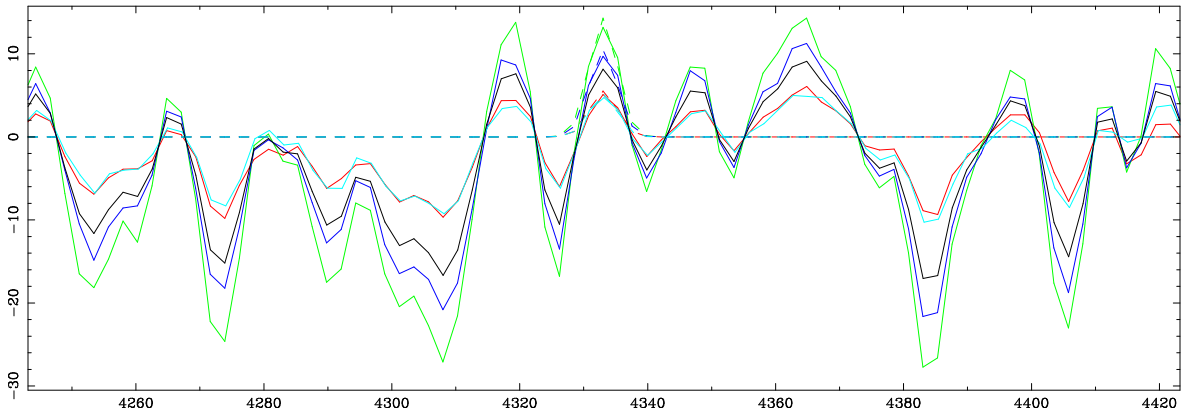
$\lambda_{obs} = 4244.33$Å

$EW_{obs} = 0.66$Å

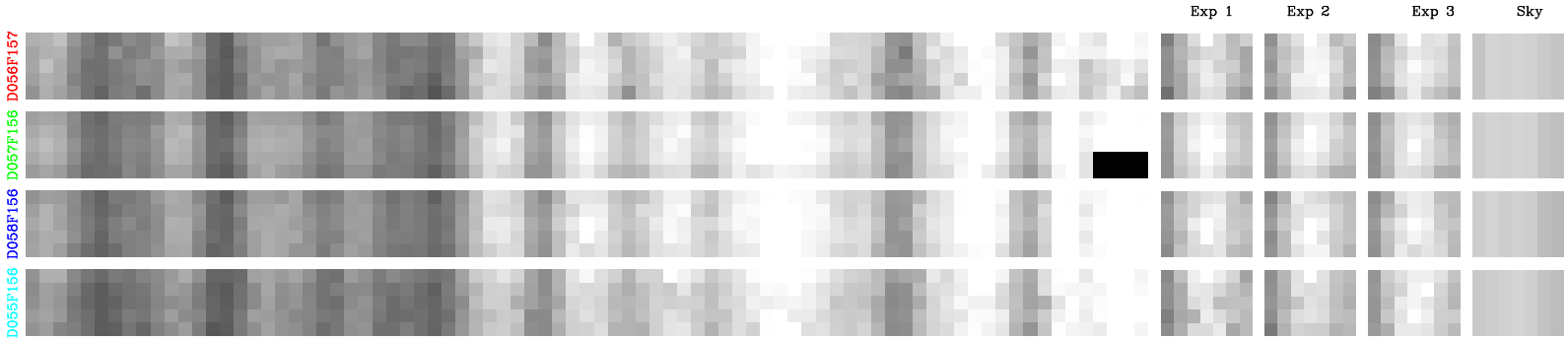
$\alpha_{2000} = 189.2894°$

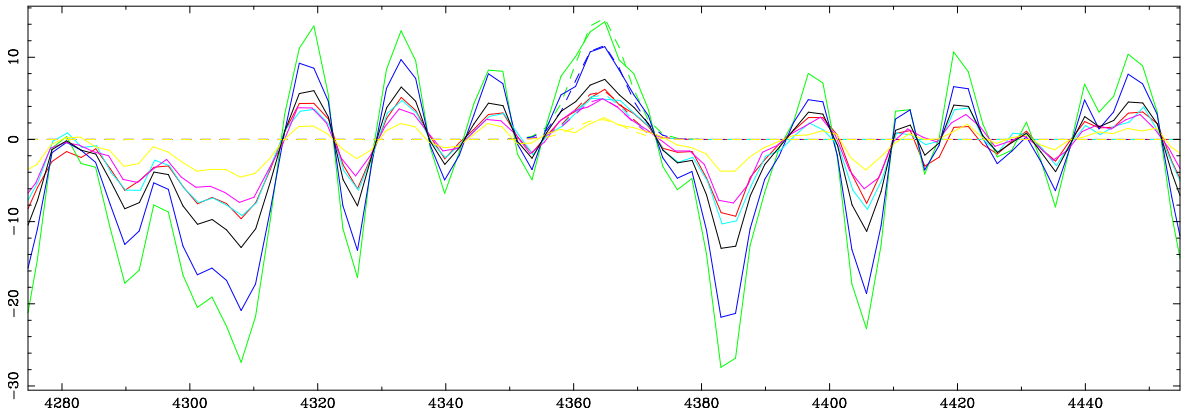
$\delta_{2000} = 62.2090°$



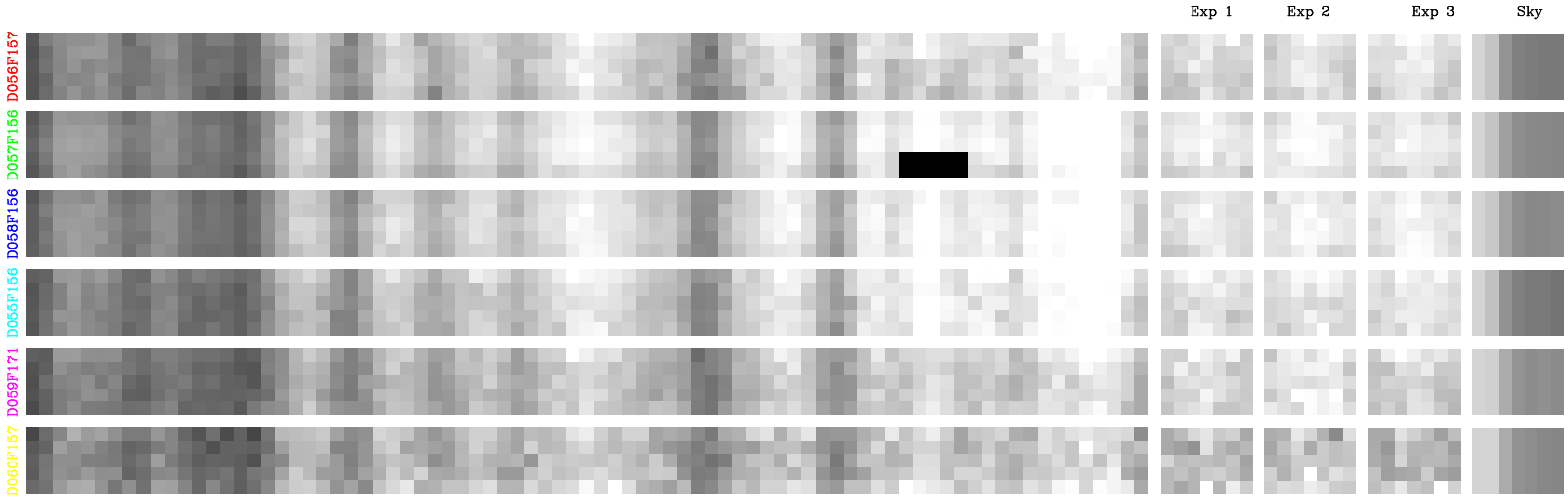


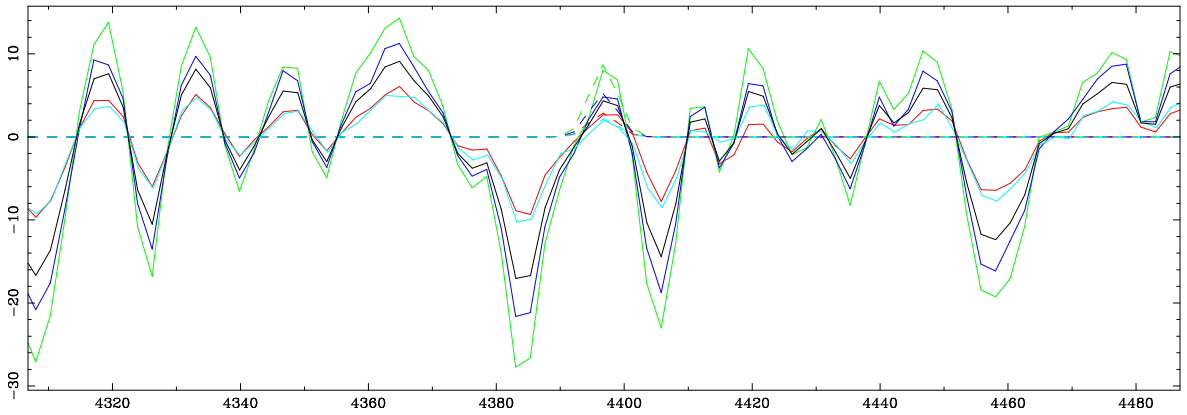
S/N = 45.07
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 4333.05Å
EW_{obs} = 1.09Å
α_{2000} = 189.2894°
δ_{2000} = 62.2091°





S/N = 61.95
$FWHM_{obs}$ = 9.19Å
λ_{obs} = 4364.15Å
EW_{obs} = 2.21Å
α_{2000} = 189.2895°
δ_{2000} = 62.2090°





$S/N = 21.57$

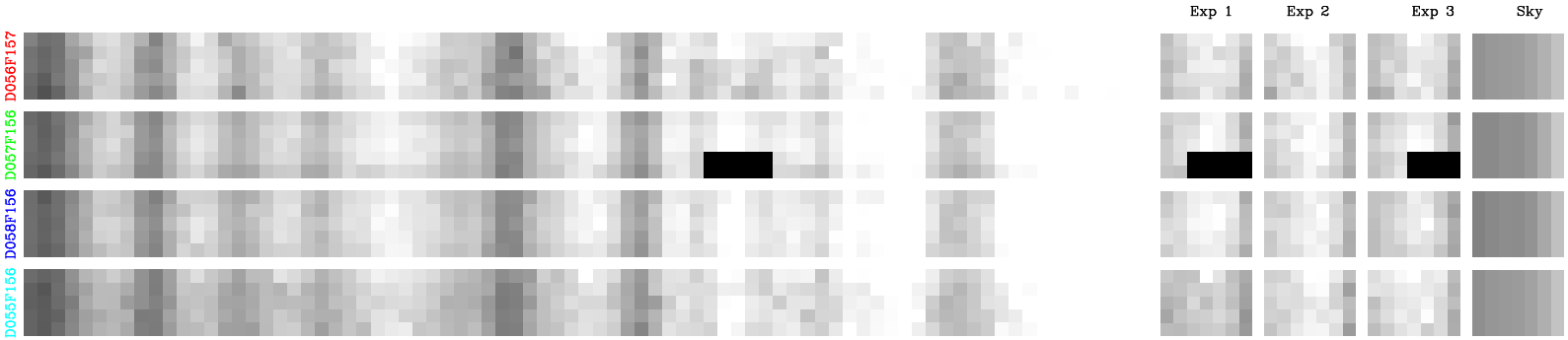
$FWHM_{obs} = 5.21Å$

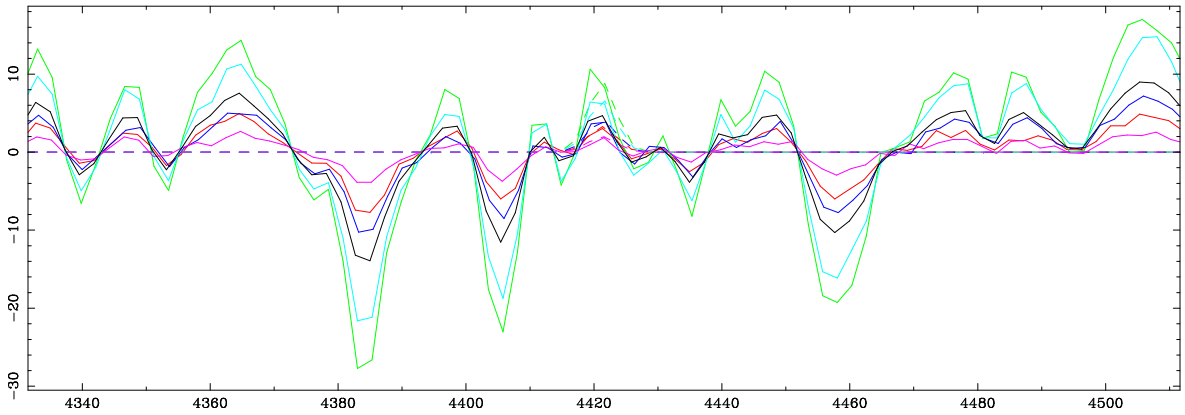
$\lambda_{obs} = 4396.73Å$

$EW_{obs} = 0.46Å$

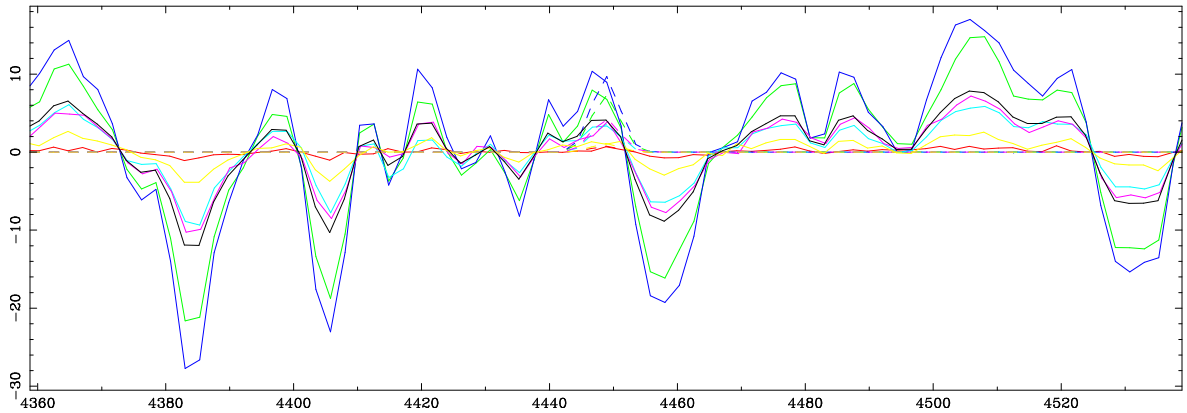
$\alpha_{2000} = 189.2894°$

$\delta_{2000} = 62.2091°$

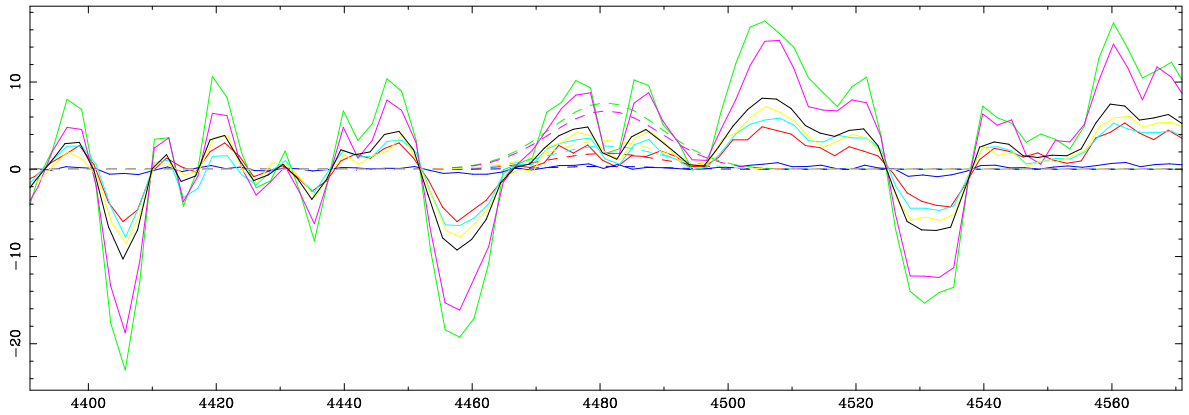




S/N = 15.45
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 4421.28Å
EW_{obs} = 0.44Å
α_{2000} = 189.2893°
δ_{2000} = 62.2089°



S/N = 32.20
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 4448.77Å
EW_{obs} = 0.76Å
α_{2000} = 189.2895°
δ_{2000} = 62.2091°



$S/N = 45.68$

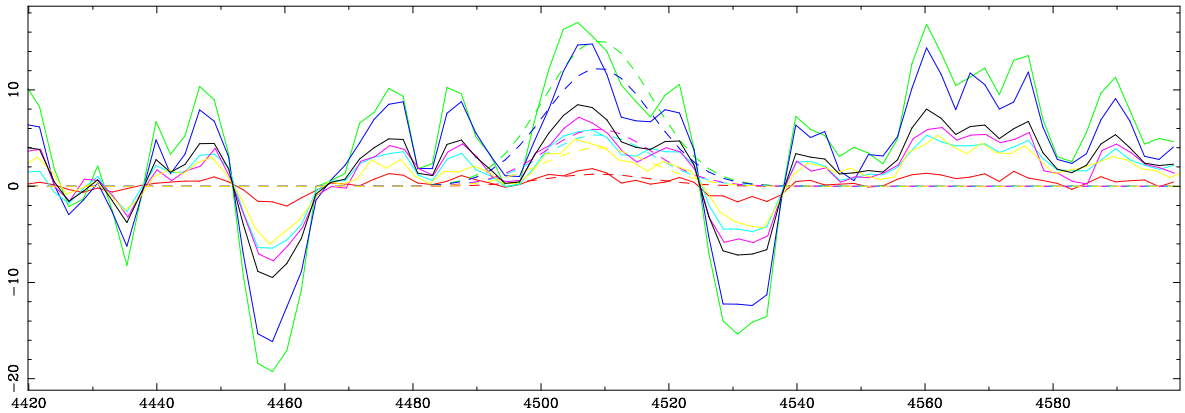
$FWHM_{obs} = 20.50Å$

$\lambda_{obs} = 4480.90Å$

$EW_{obs} = 1.75Å$

$\alpha_{2000} = 189.2894°$

$\delta_{2000} = 62.2090°$



$S/N = 90.08$

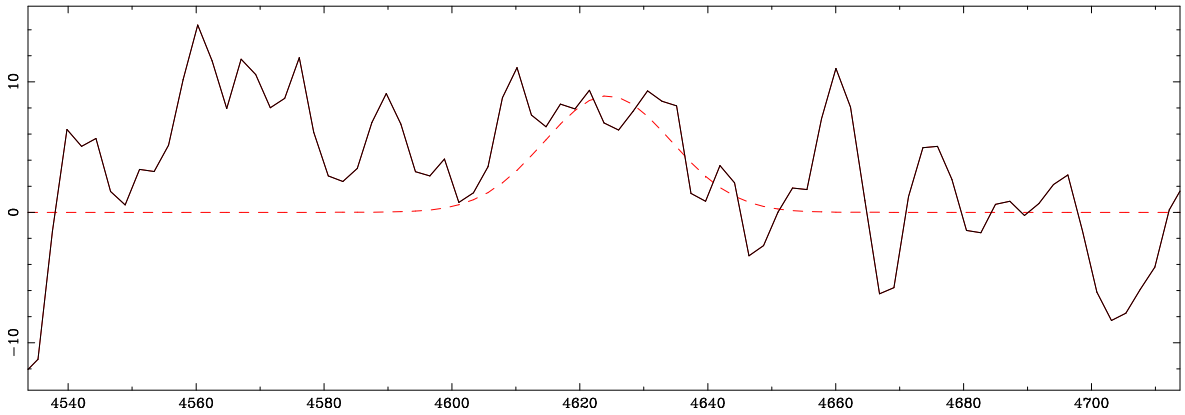
$FWHM_{obs} = 19.76Å$

$\lambda_{obs} = 4508.94Å$

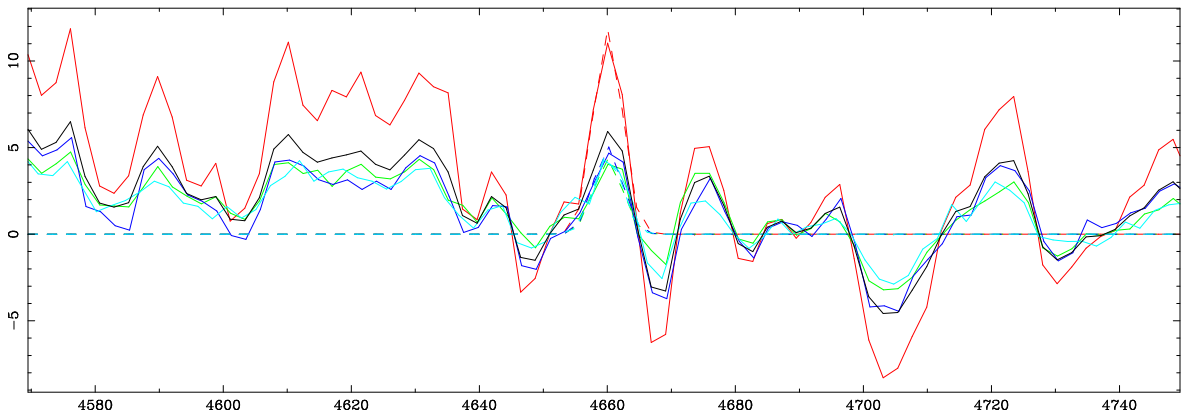
$EW_{obs} = 3.29Å$

$\alpha_{2000} = 189.2893°$

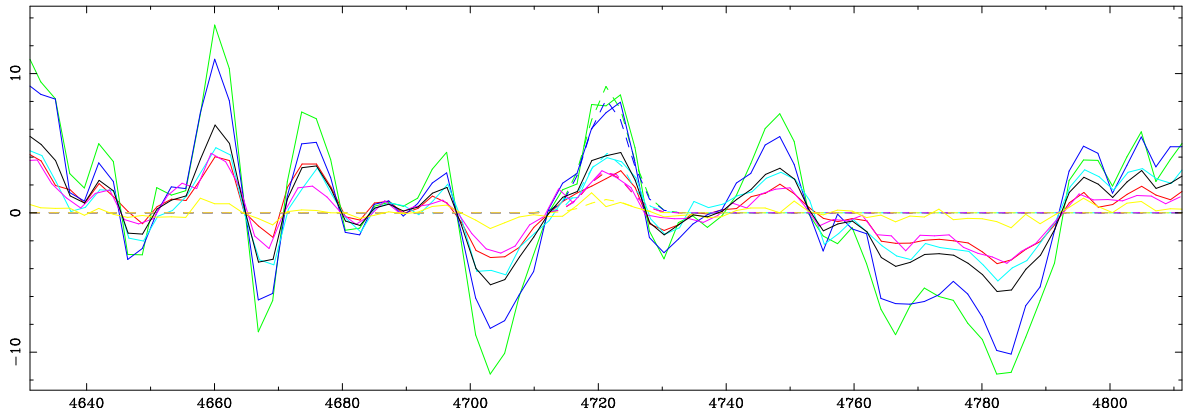
$\delta_{2000} = 62.2090°$



S/N = 45.63
$FWHM_{obs}$ = 23.44Å
λ_{obs} = 4624.39Å
EW_{obs} = 3.17Å
α_{2000} = 189.2895°
δ_{2000} = 62.2093°



S/N = 36.17
$FWHM_{obs}$ = 5.25Å
λ_{obs} = 4660.09Å
EW_{obs} = 0.73Å
α_{2000} = 189.2896°
δ_{2000} = 62.2092°



$S/N = 39.96$

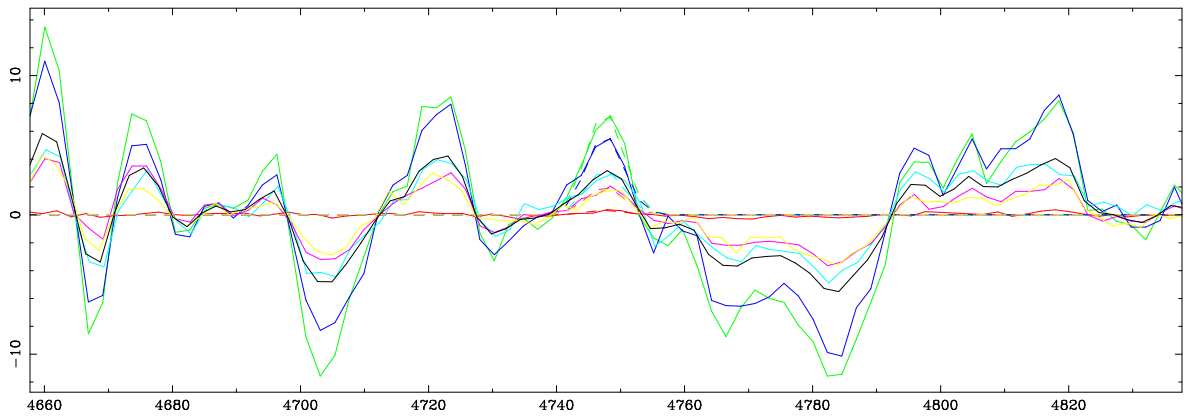
$FWHM_{obs} = 7.52Å$

$\lambda_{obs} = 4721.47Å$

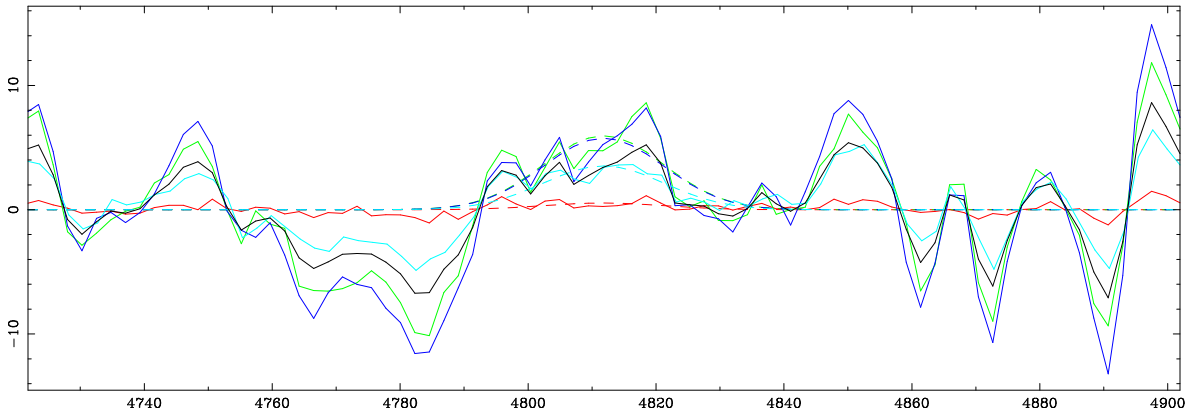
$EW_{obs} = 0.76Å$

$\alpha_{2000} = 189.2893°$

$\delta_{2000} = 62.2091°$



S/N = 23.10
$FWHM_{obs}$ = 6.91Å
λ_{obs} = 4747.54Å
EW_{obs} = 0.46Å
α_{2000} = 189.2893°
δ_{2000} = 62.2090°



$S/N = 41.60$

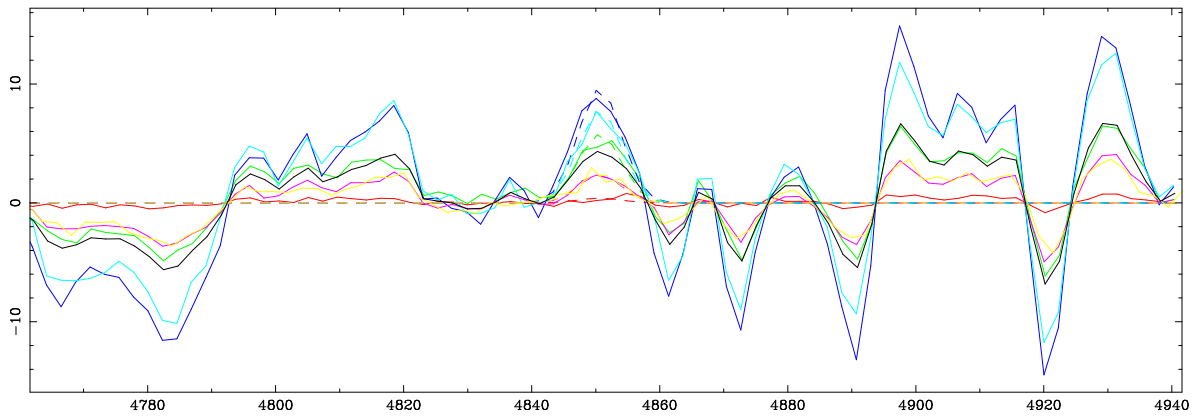
$FWHM_{obs} = 22.23Å$

$\lambda_{obs} = 4811.82Å$

$EW_{obs} = 1.63Å$

$\alpha_{2000} = 189.2890°$

$\delta_{2000} = 62.2092°$



$S/N = 39.04$

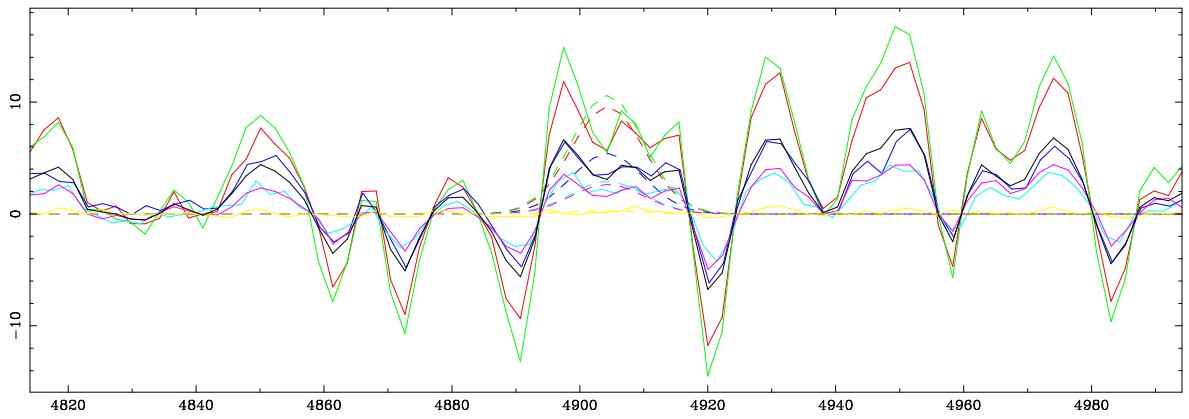
$FWHM_{obs} = 7.91$Å

$\lambda_{obs} = 4850.62$Å

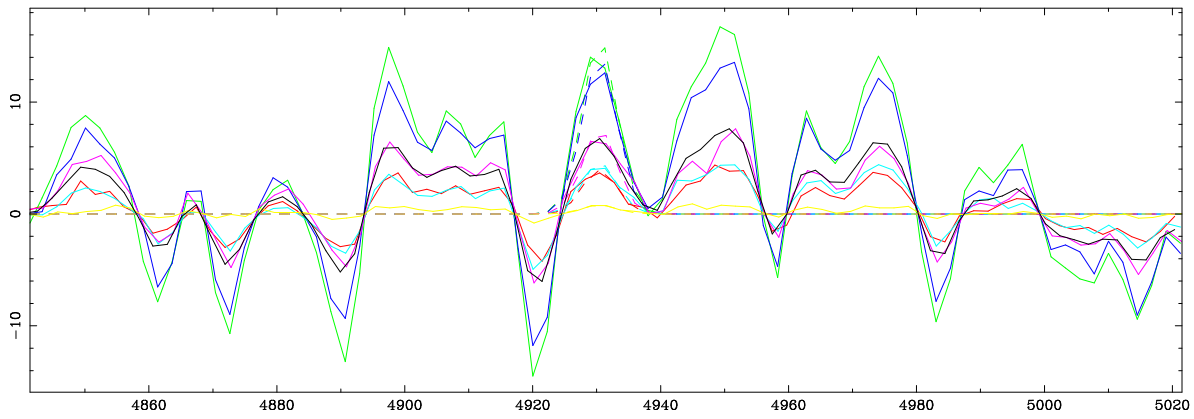
$EW_{obs} = 0.83$Å

$\alpha_{2000} = 189.2892°$

$\delta_{2000} = 62.2091°$



S/N = 67.84
$FWHM_{obs}$ = 13.39Å
λ_{obs} = 4904.34Å
EW_{obs} = 1.89Å
α_{2000} = 189.2893°
δ_{2000} = 62.2091°



S/N = 59.37

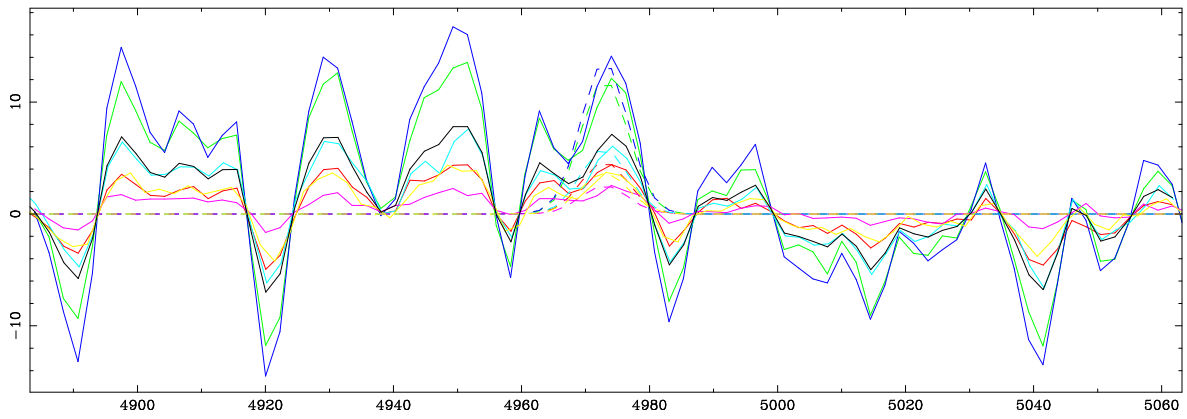
$FWHM_{obs}$ = 6.41Å

λ_{obs} = 4930.45Å

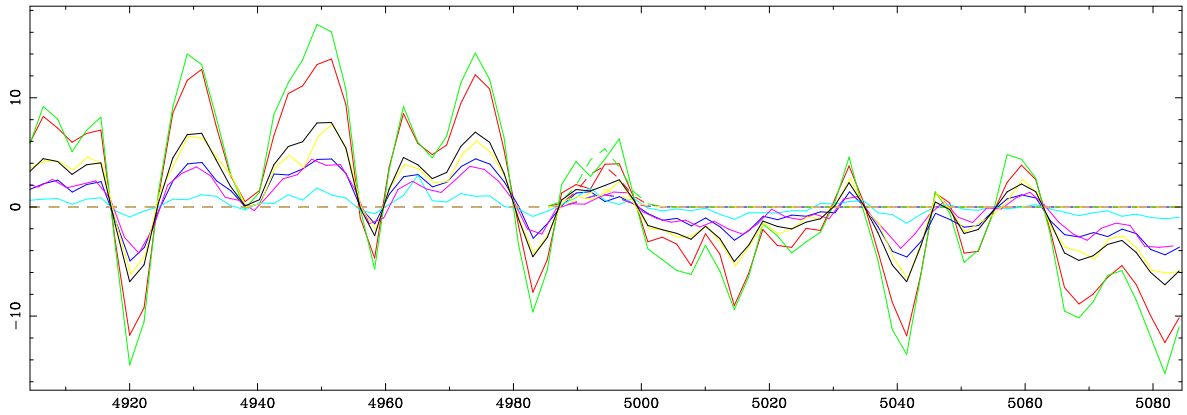
EW_{obs} = 1.17Å

α_{2000} = 189.2893°

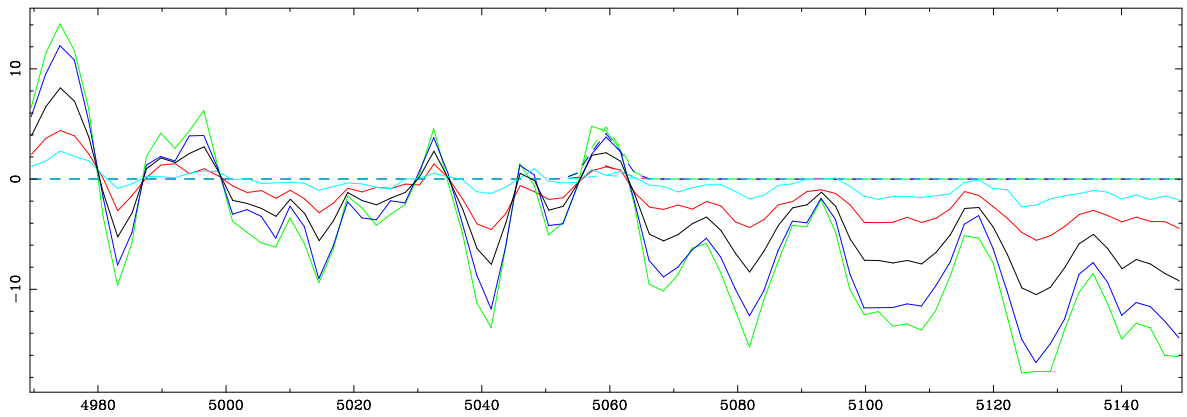
δ_{2000} = 62.2091°



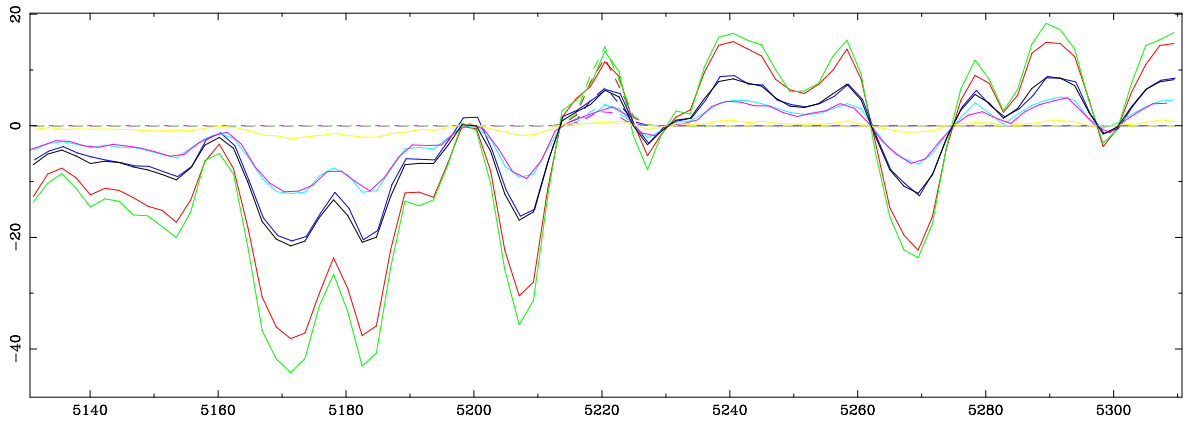
S/N = 67.15
$FWHM_{obs}$ = 8.72Å
λ_{obs} = 4972.95Å
EW_{obs} = 1.44Å
α_{2000} = 189.2892°
δ_{2000} = 62.2090°



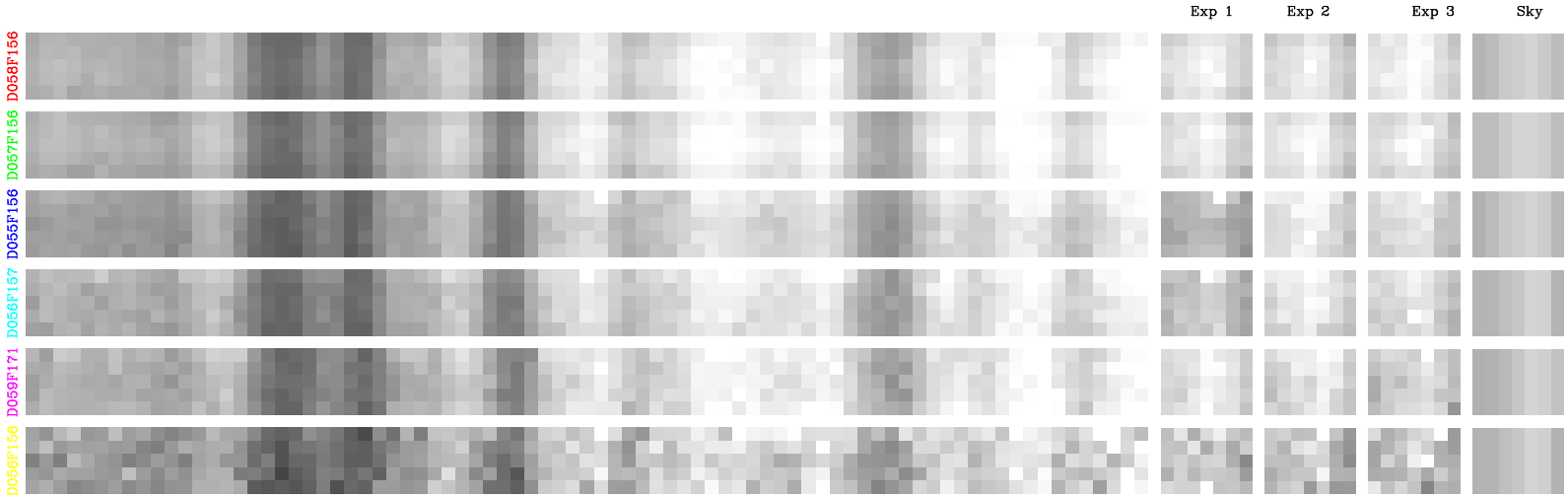
S/N = 19.99
$FWHM_{obs}$ = 6.94Å
λ_{obs} = 4993.96Å
EW_{obs} = 0.38Å
α_{2000} = 189.2891°
δ_{2000} = 62.2091°

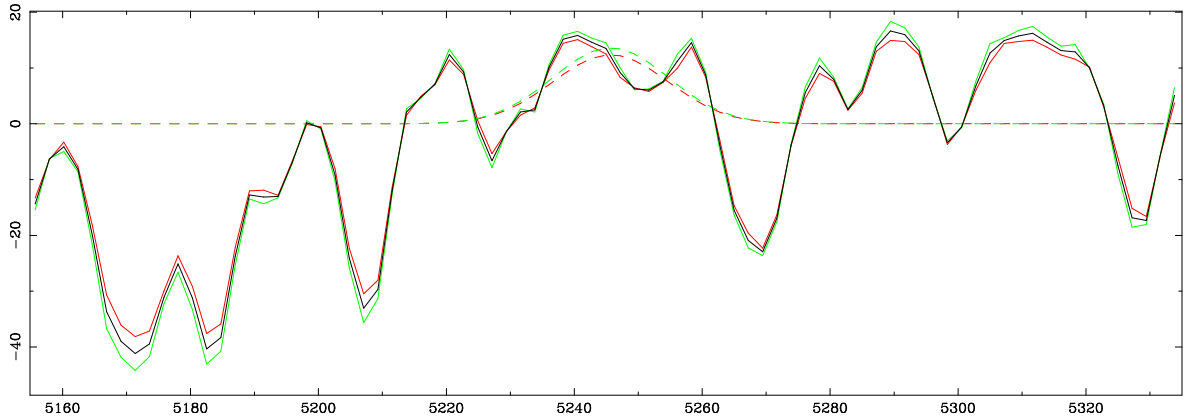


S/N = 16.90
$FWHM_{obs}$ = 5.21Å
λ_{obs} = 5059.43Å
EW_{obs} = 0.30Å
α_{2000} = 189.2893°
δ_{2000} = 62.2090°

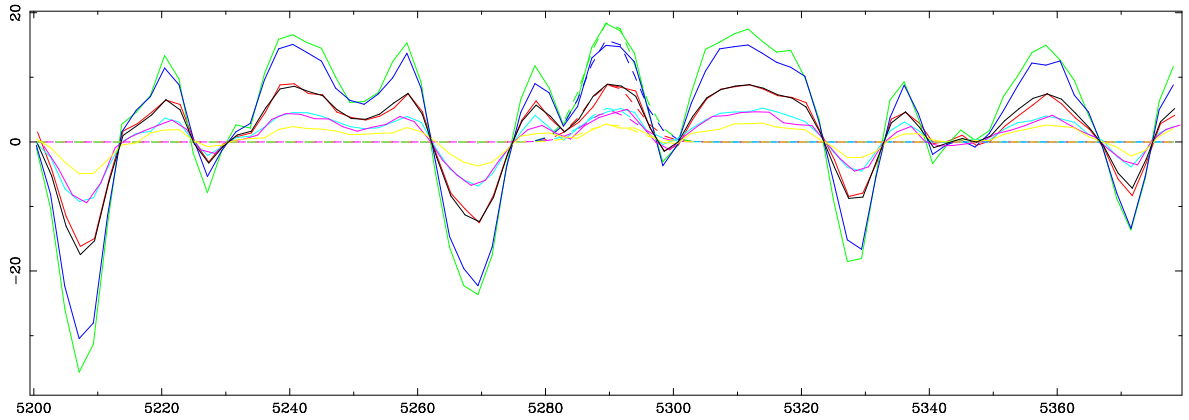


S/N = 53.30
$FWHM_{obs}$ = 5.29Å
λ_{obs} = 5220.33Å
EW_{obs} = 1.02Å
α_{2000} = 189.2893°
δ_{2000} = 62.2091°

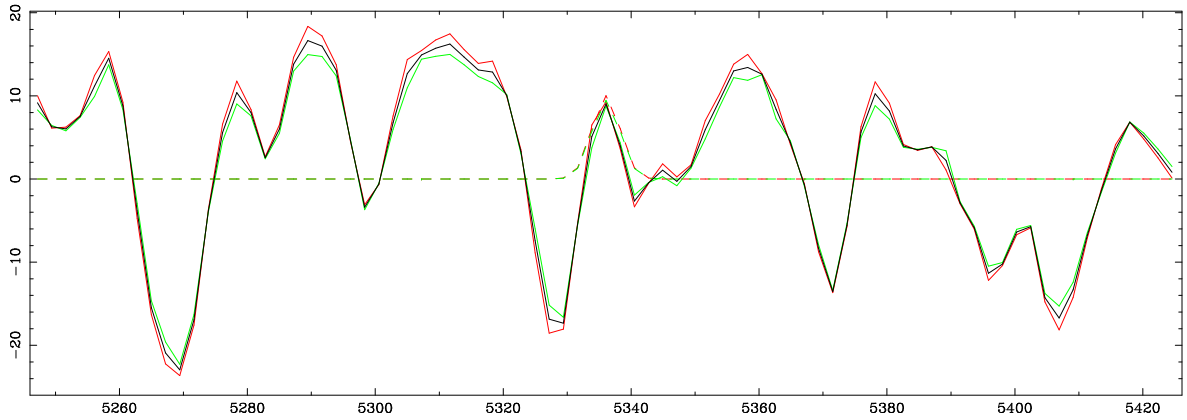




S/N = 78.03
$FWHM_{obs}$ = 21.30Å
λ_{obs} = 5245.68Å
EW_{obs} = 3.41Å
α_{2000} = 189.2892°
δ_{2000} = 62.2090°



S/N = 87.62
$FWHM_{obs}$ = 9.18Å
λ_{obs} = 5290.23Å
EW_{obs} = 1.96Å
α_{2000} = 189.2892°
δ_{2000} = 62.2090°



$S/N = 25.65$

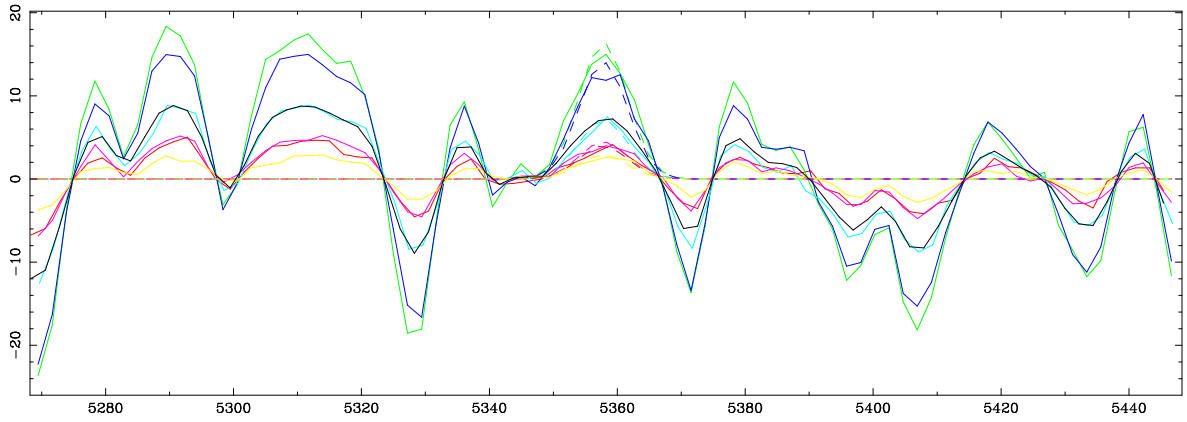
$FWHM_{obs} = 5.21$Å

$\lambda_{obs} = 5336.07$Å

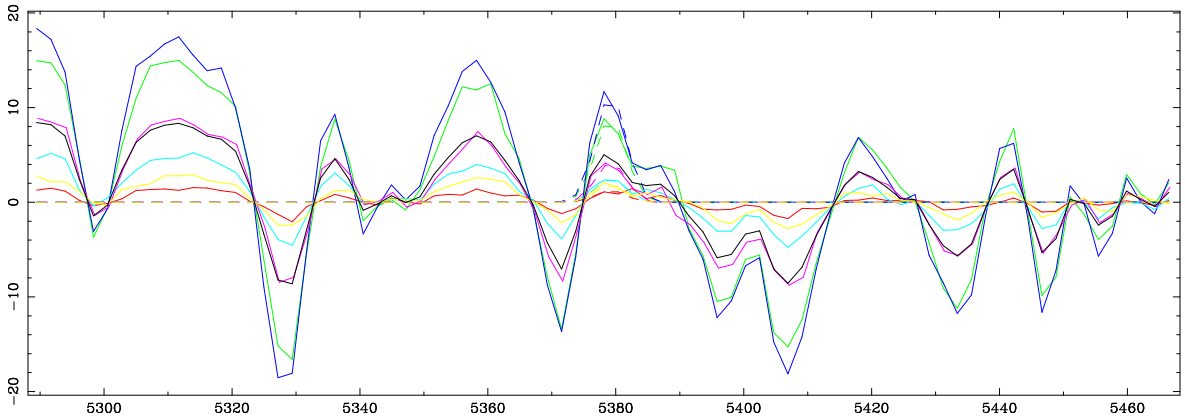
$EW_{obs} = 0.43$Å

$\alpha_{2000} = 189.2892°$

$\delta_{2000} = 62.2090°$



S/N = 71.83
$FWHM_{obs}$ = 8.99Å
λ_{obs} = 5357.81Å
EW_{obs} = 1.57Å
α_{2000} = 189.2892°
δ_{2000} = 62.2090°



$S/N = 38.31$

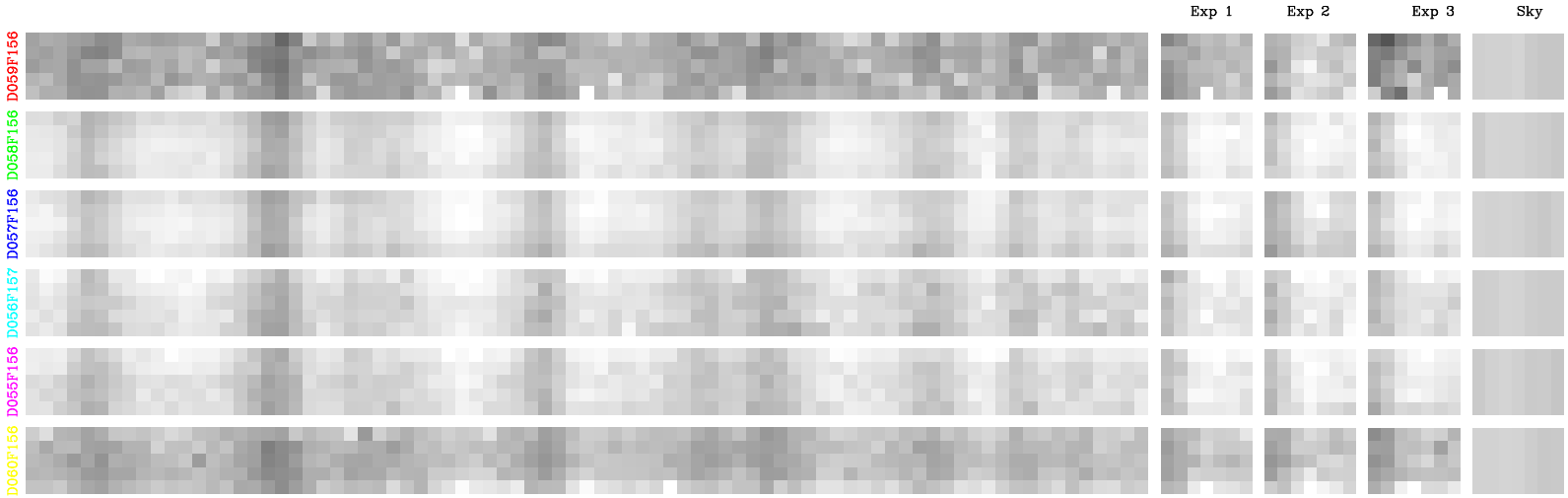
$FWHM_{obs} = 5.59Å$

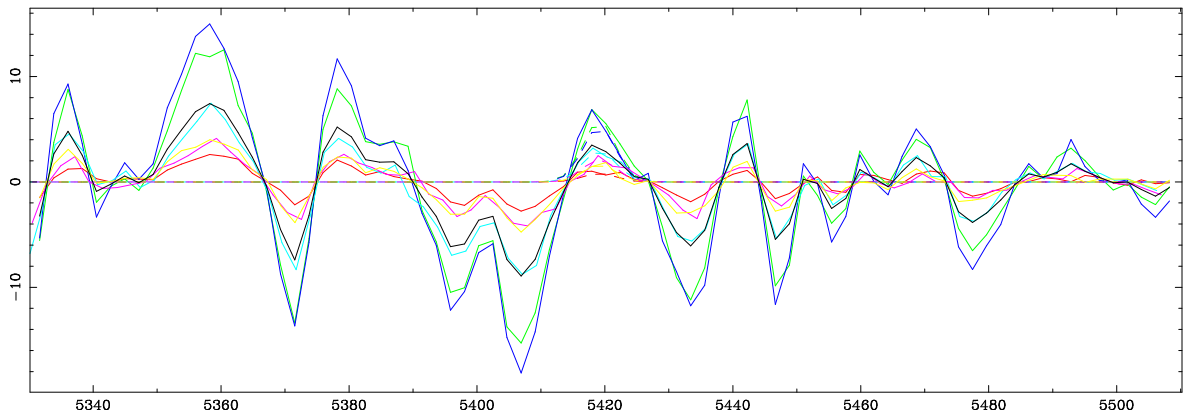
$\lambda_{obs} = 5379.22Å$

$EW_{obs} = 0.62Å$

$\alpha_{2000} = 189.2891°$

$\delta_{2000} = 62.2091°$





$S/N = 27.04$

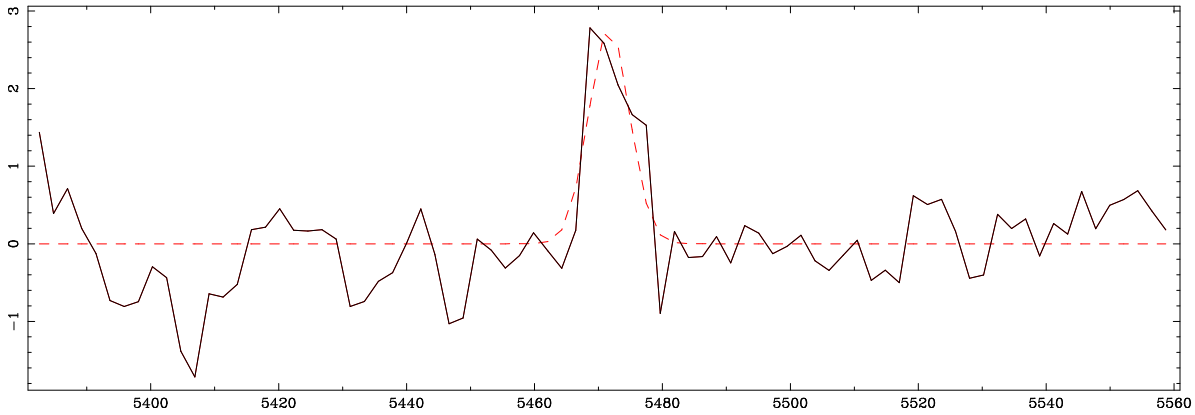
$FWHM_{obs} = 6.13$Å

$\lambda_{obs} = 5419.13$Å

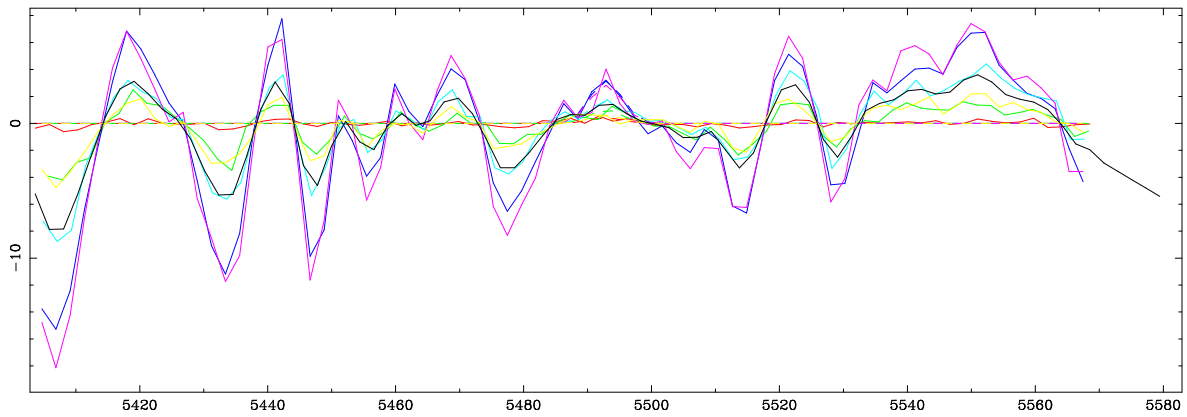
$EW_{obs} = 0.41$Å

$\alpha_{2000} = 189.2892°$

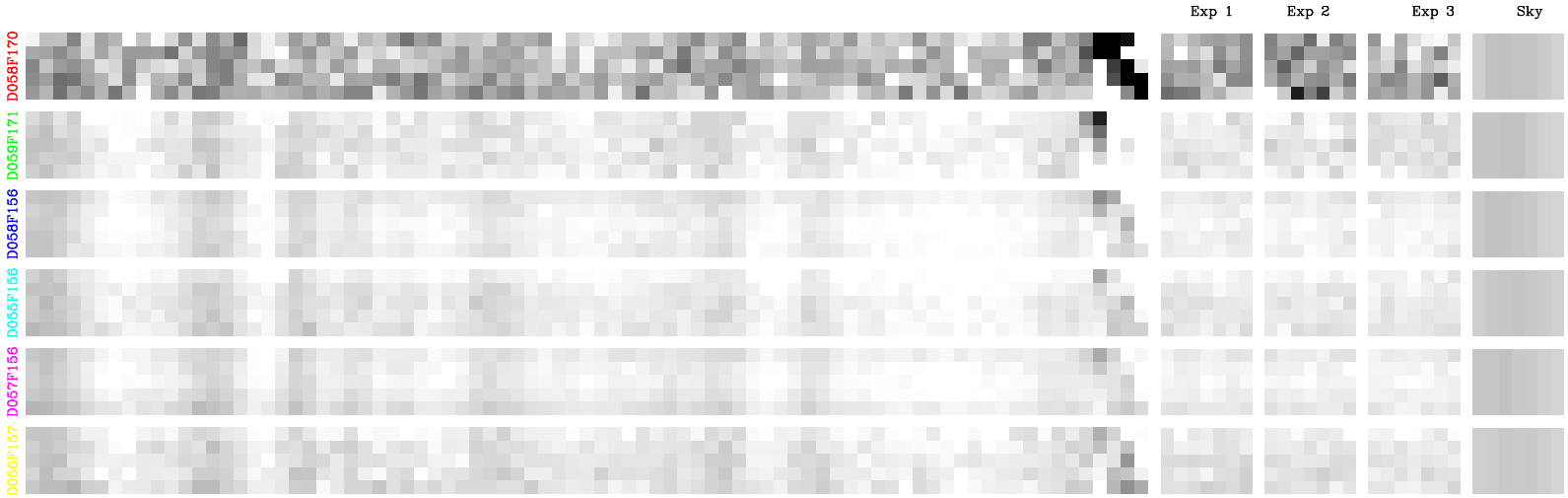
$\delta_{2000} = 62.2090°$

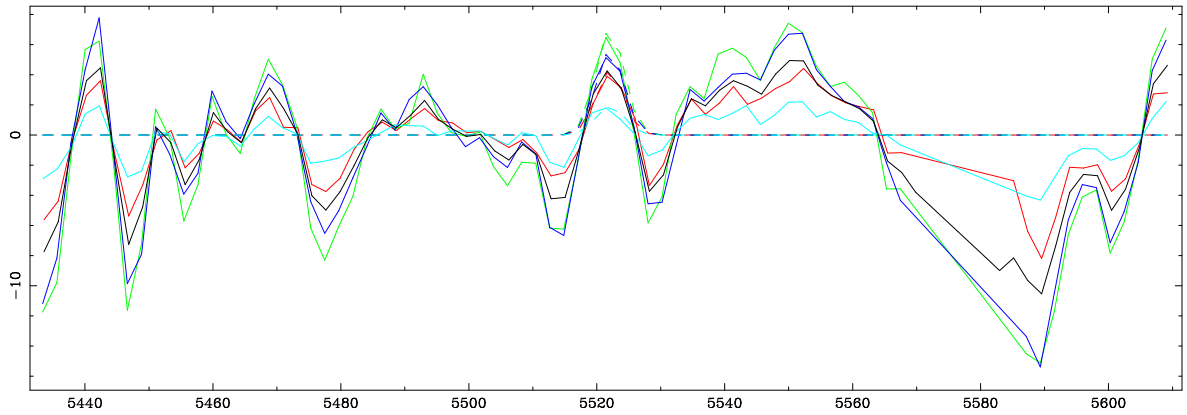


S/N = 13.50
$FWHM_{obs}$ = 7.45Å
λ_{obs} = 5471.67Å
EW_{obs} = 2.33Å
α_{2000} = 189.2874°
δ_{2000} = 62.2098°

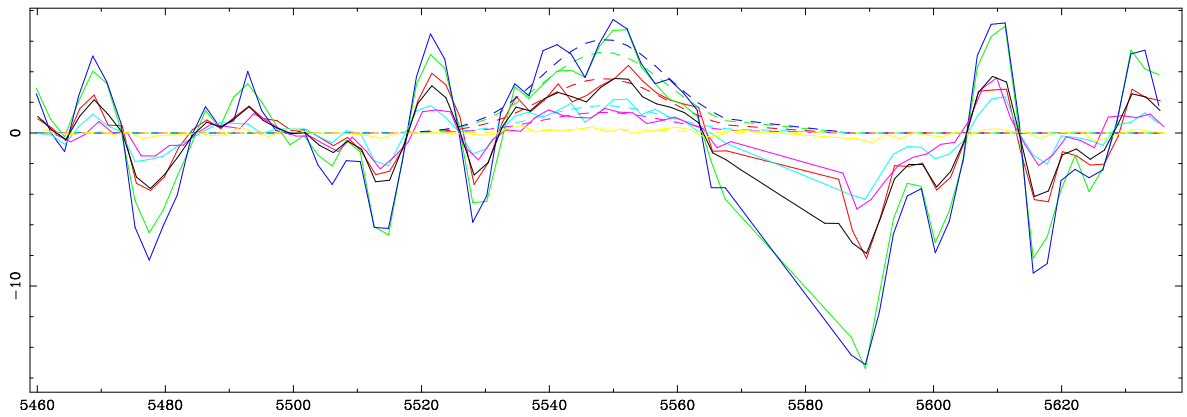


S/N = 11.84
$FWHM_{obs}$ = 5.97Å
λ_{obs} = 5492.87Å
EW_{obs} = 0.21Å
α_{2000} = 189.2892°
δ_{2000} = 62.2090°





S/N = 14.91
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5522.06Å
EW_{obs} = 0.24Å
α_{2000} = 189.2893°
δ_{2000} = 62.2092°



$S/N = 33.41$

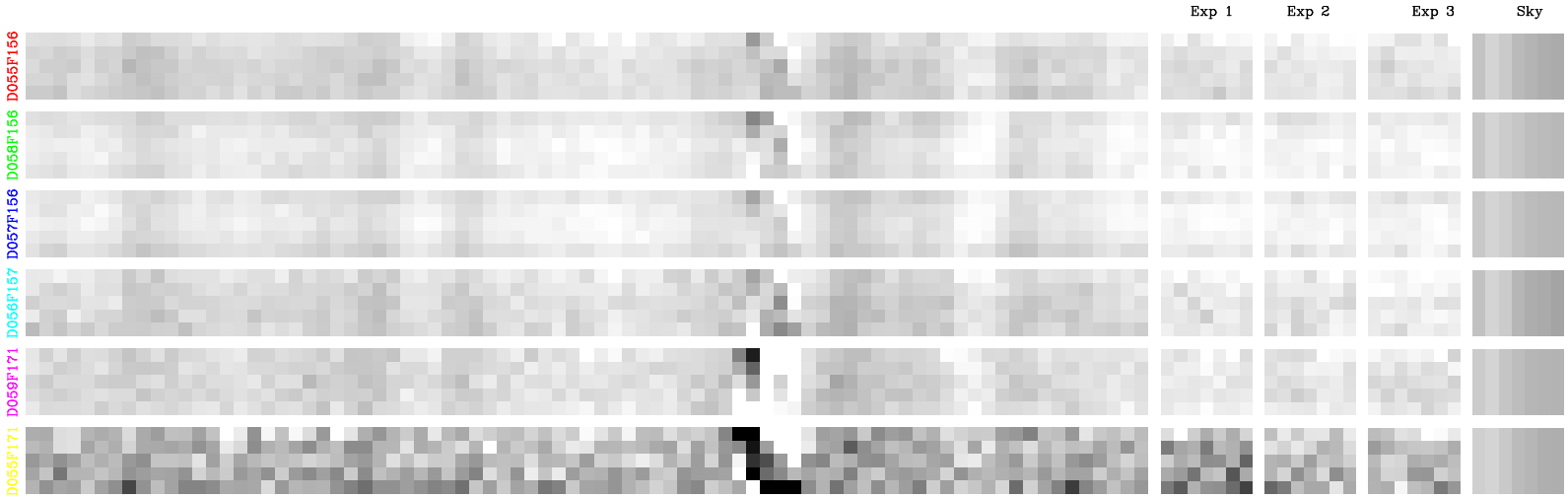
$FWHM_{obs} = 23.02Å$

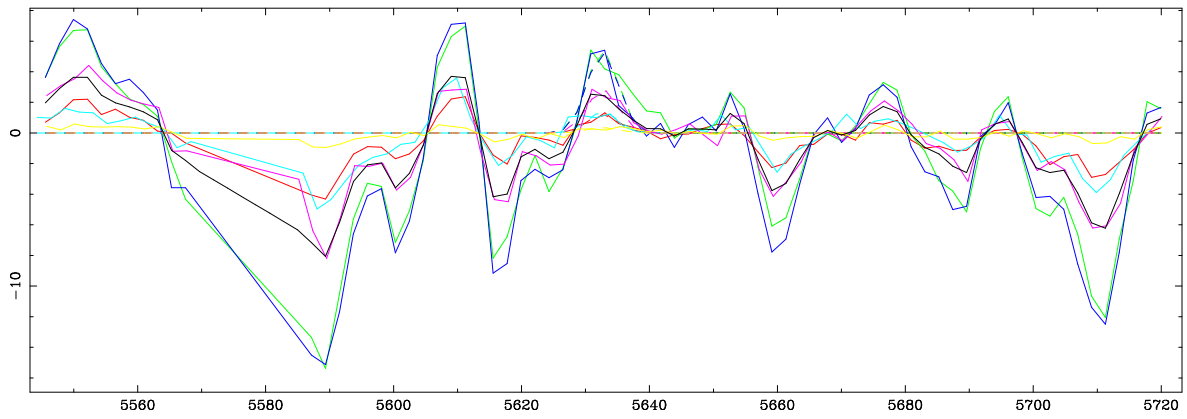
$\lambda_{obs} = 5548.53Å$

$EW_{obs} = 1.06Å$

$\alpha_{2000} = 189.2893°$

$\delta_{2000} = 62.2091°$





S/N = 16.90

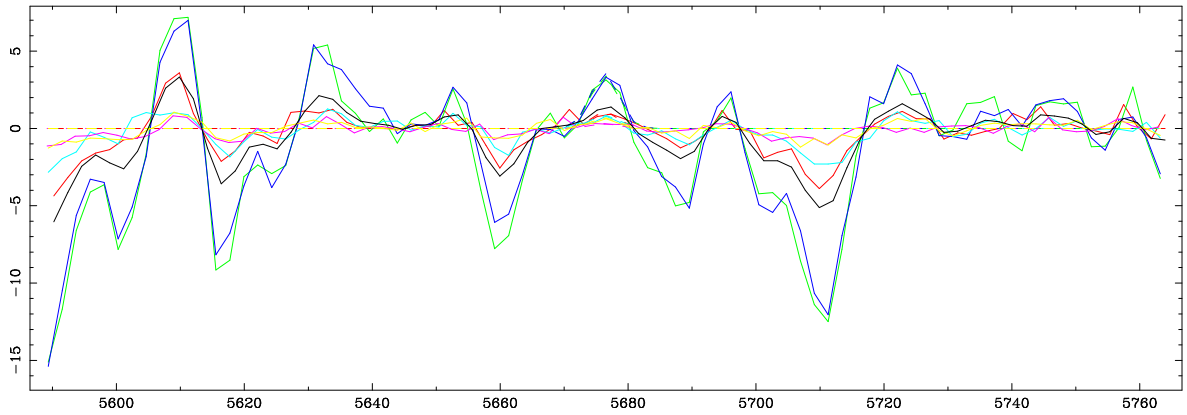
$FWHM_{obs}$ = 5.73Å

λ_{obs} = 5632.69Å

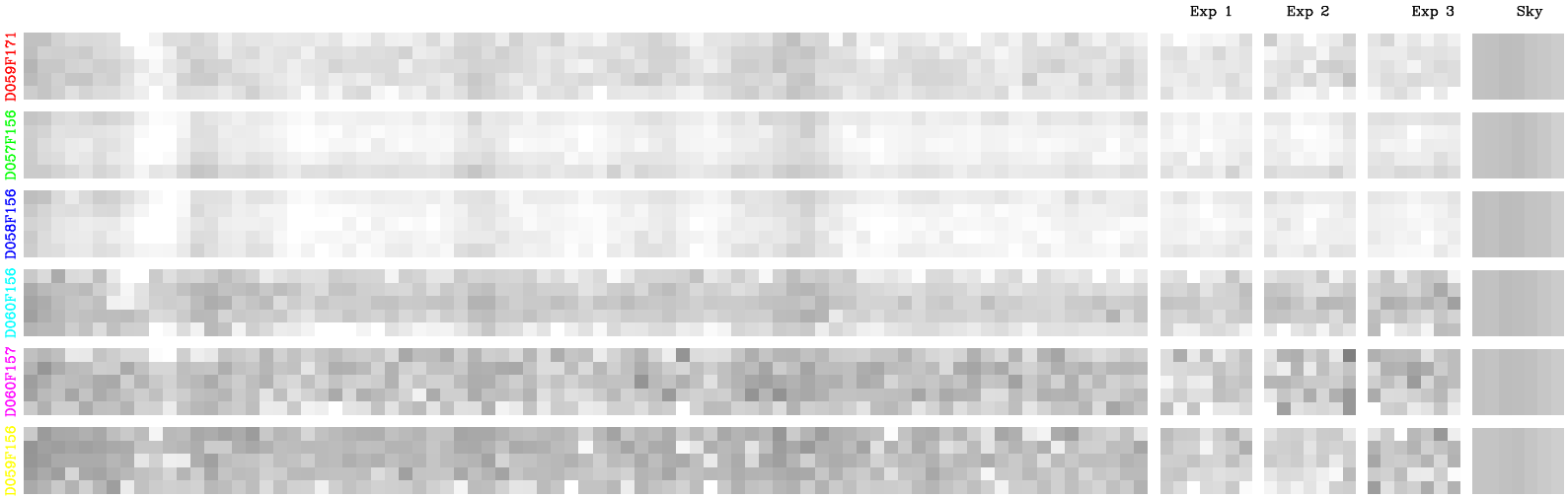
EW_{obs} = 0.30Å

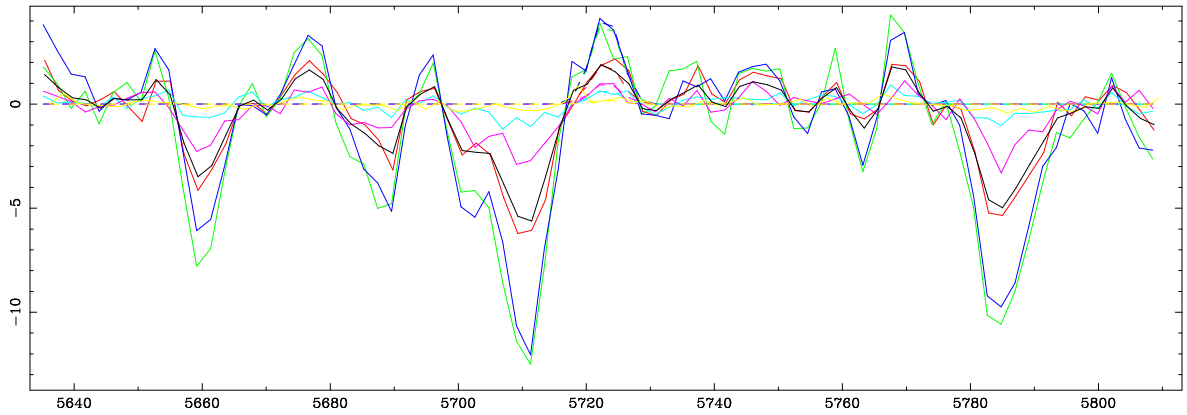
α_{2000} = 189.2892°

δ_{2000} = 62.2091°

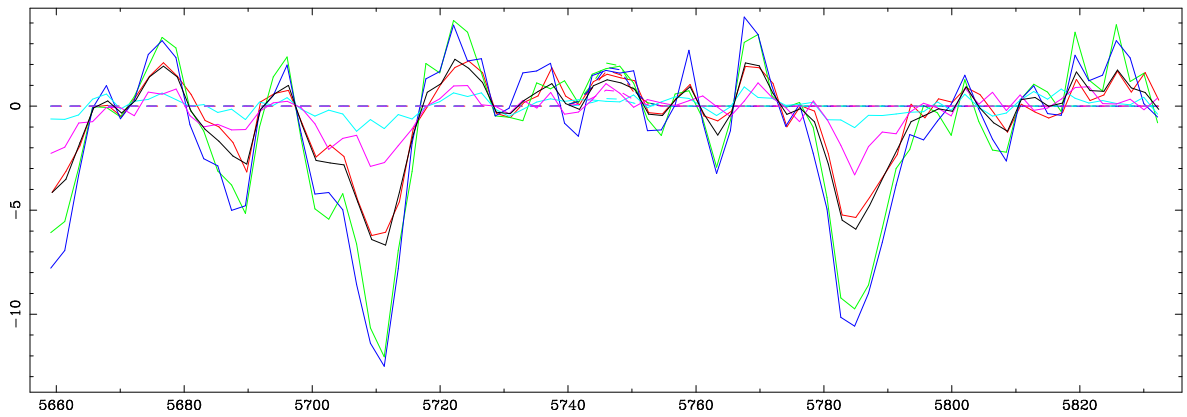


S/N = 10.51
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5676.36Å
EW_{obs} = 0.19Å
α_{2000} = 189.2890°
δ_{2000} = 62.2089°

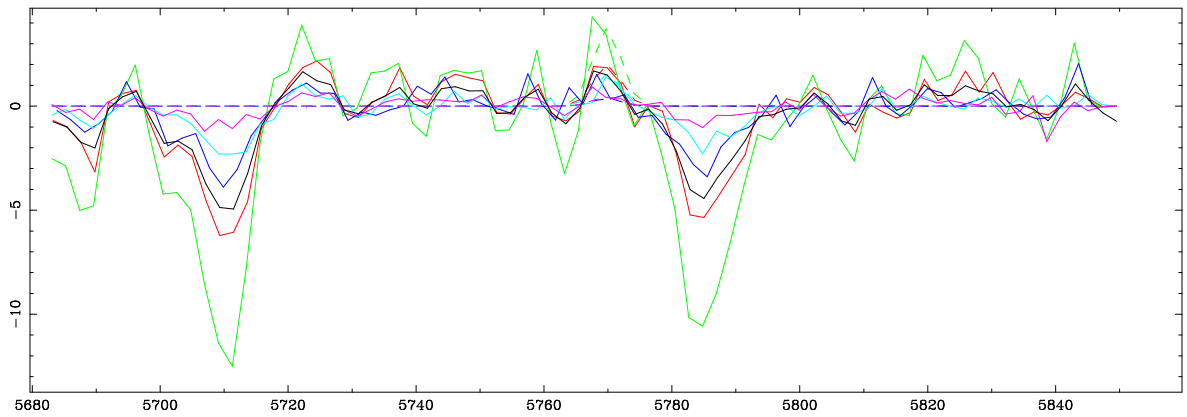




S/N = 15.62
$FWHM_{obs}$ = 5.40Å
λ_{obs} = 5723.07Å
EW_{obs} = 0.24Å
α_{2000} = 189.2892°
δ_{2000} = 62.2092°



S/N = 9.80
$FWHM_{obs}$ = 5.86Å
λ_{obs} = 5746.80Å
EW_{obs} = 0.15Å
α_{2000} = 189.2892°
δ_{2000} = 62.2093°



$S/N = 8.35$

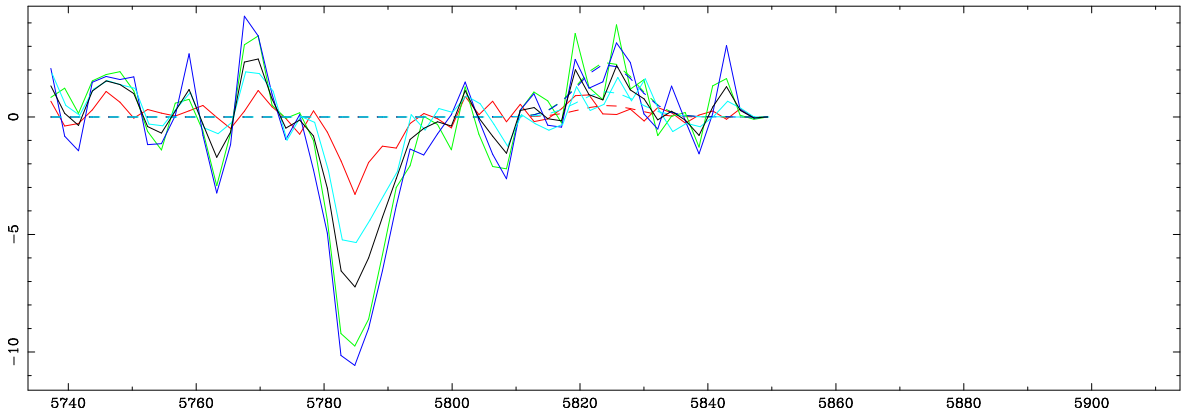
$FWHM_{obs} = 5.20Å$

$\lambda_{obs} = 5769.84Å$

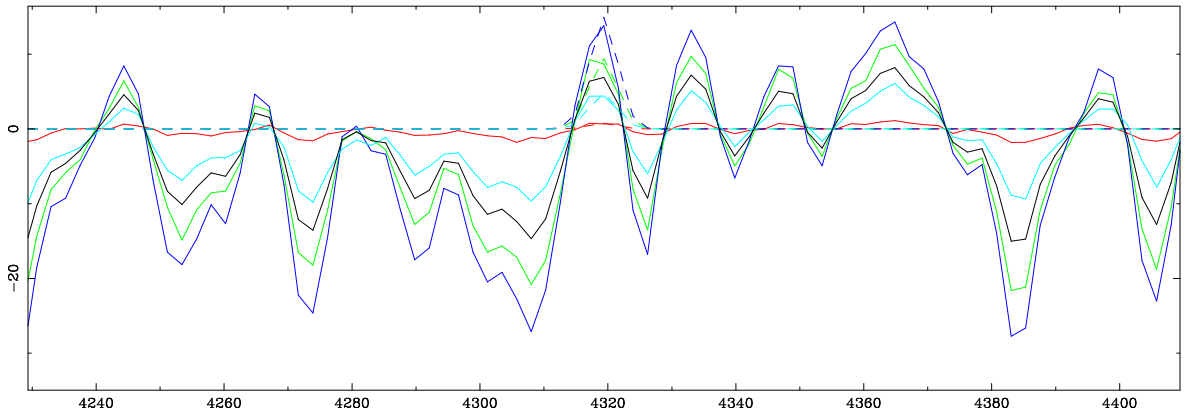
$EW_{obs} = 0.17Å$

$\alpha_{2000} = 189.2885°$

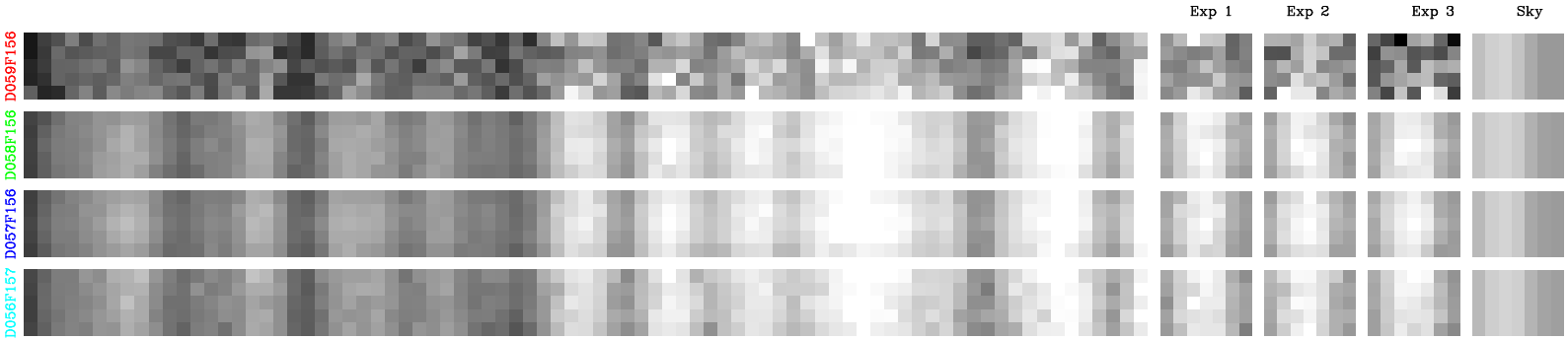
$\delta_{2000} = 62.2090°$

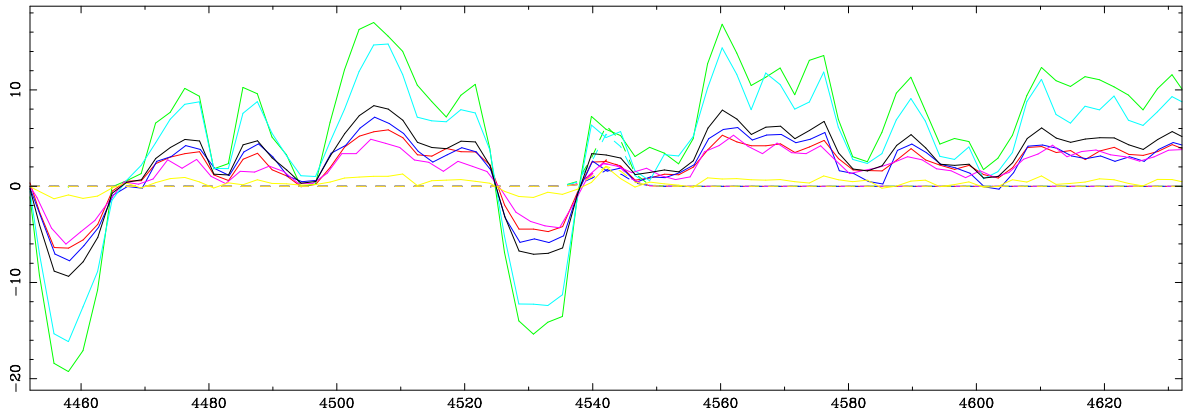


S/N = 10.05
$FWHM_{obs}$ = 10.62Å
λ_{obs} = 5824.28Å
EW_{obs} = 0.22Å
α_{2000} = 189.2893°
δ_{2000} = 62.2091°

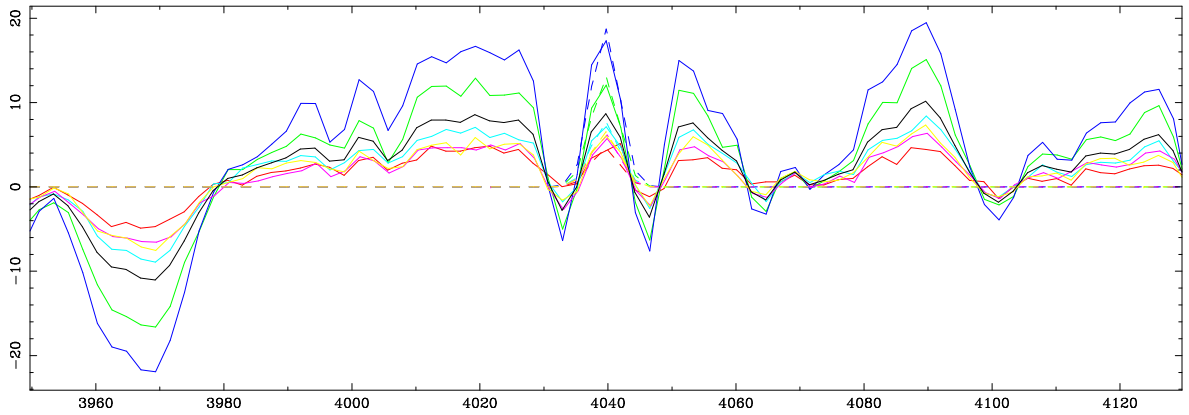


S/N = 38.92
$FWHM_{obs}$ = 5.21Å
λ_{obs} = 4319.32Å
EW_{obs} = 1.08Å
α_{2000} = 189.2894°
δ_{2000} = 62.2090°





S/N = 28.71
$FWHM_{obs}$ = 5.25Å
λ_{obs} = 4542.63Å
EW_{obs} = 0.56Å
α_{2000} = 189.2892°
δ_{2000} = 62.2090°



$S/N = 43.35$

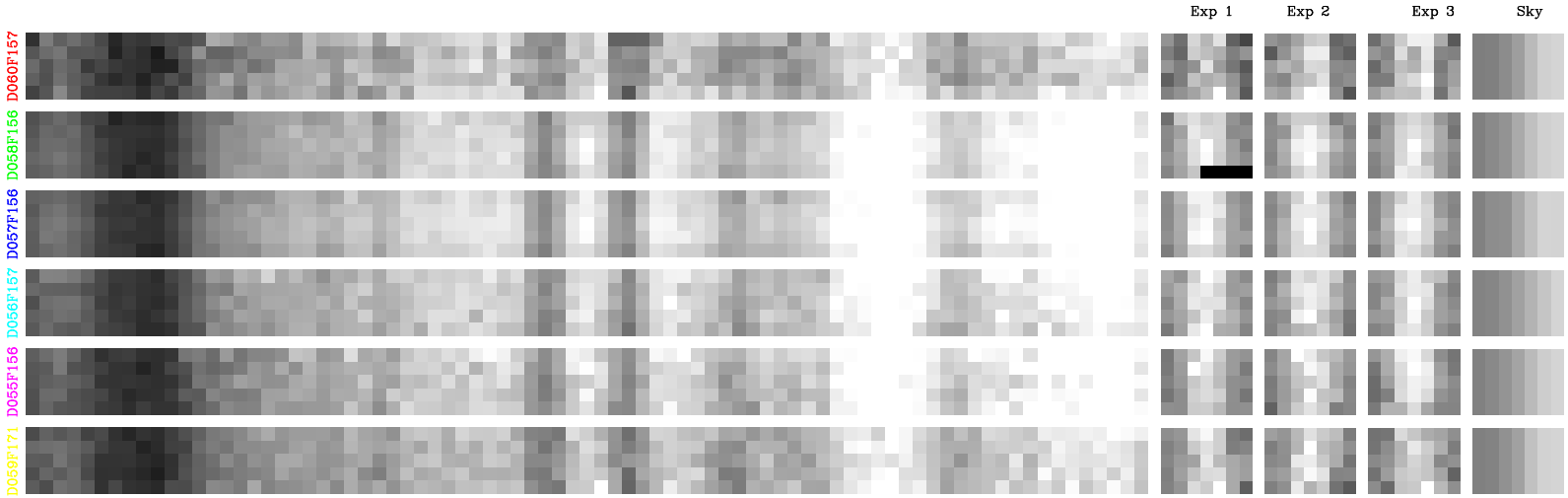
$FWHM_{obs} = 5.20Å$

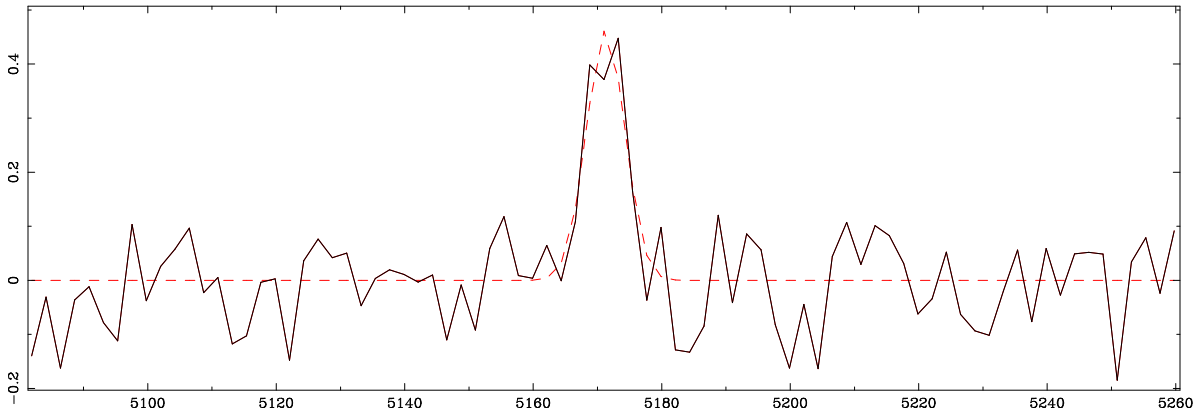
$\lambda_{obs} = 4039.56Å$

$EW_{obs} = 1.97Å$

$\alpha_{2000} = 189.2896°$

$\delta_{2000} = 62.2089°$





S/N = 6.32

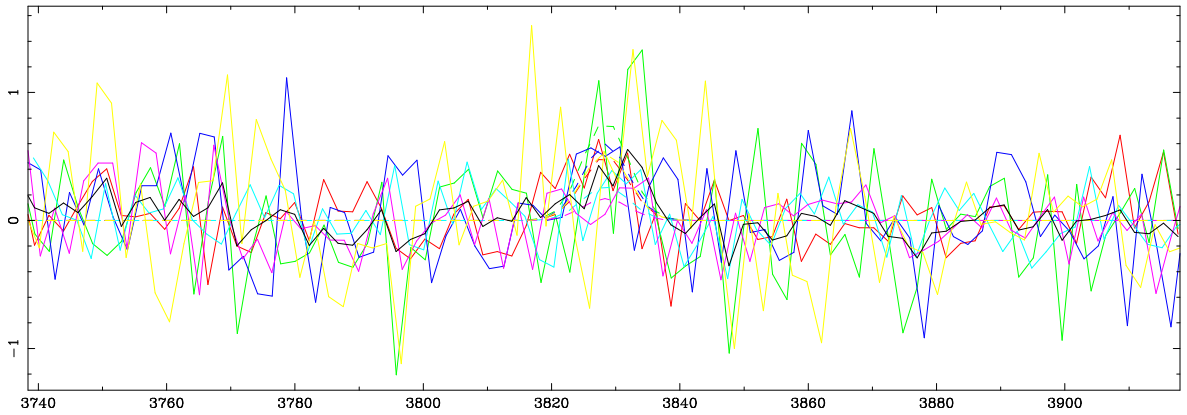
$FWHM_{obs}$ = 7.02Å

λ_{obs} = 5171.28Å

EW_{obs} = 30.03Å

α_{2000} = 189.2715°

δ_{2000} = 62.2030°



$S/N = 5.06$

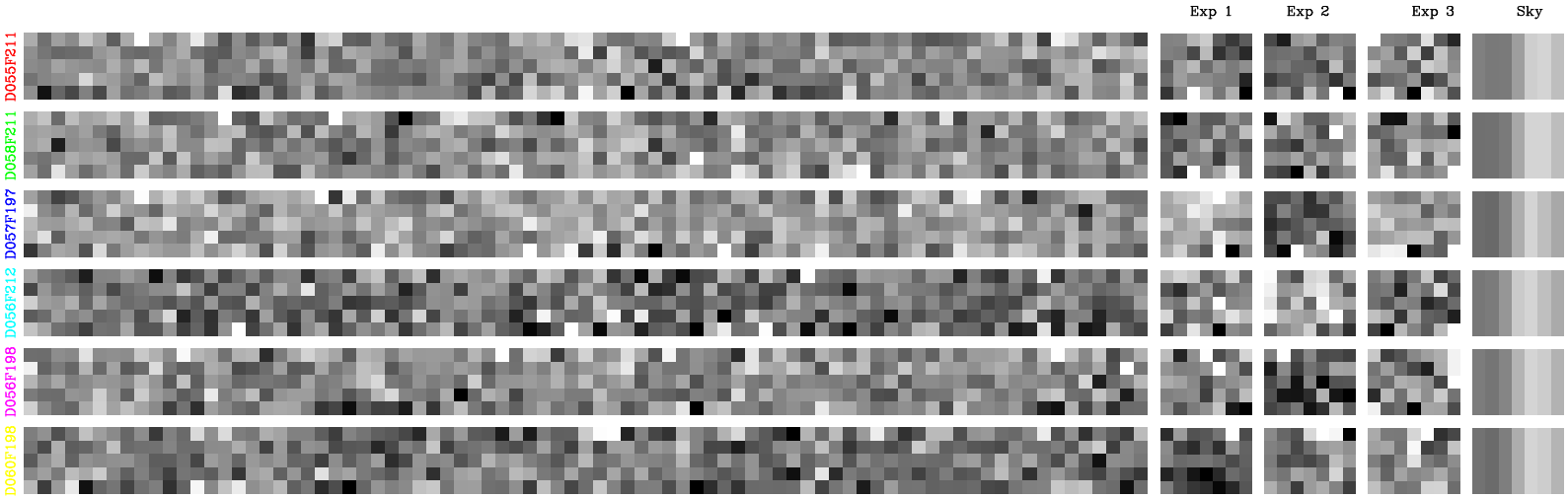
$FWHM_{obs} = 8.49Å$

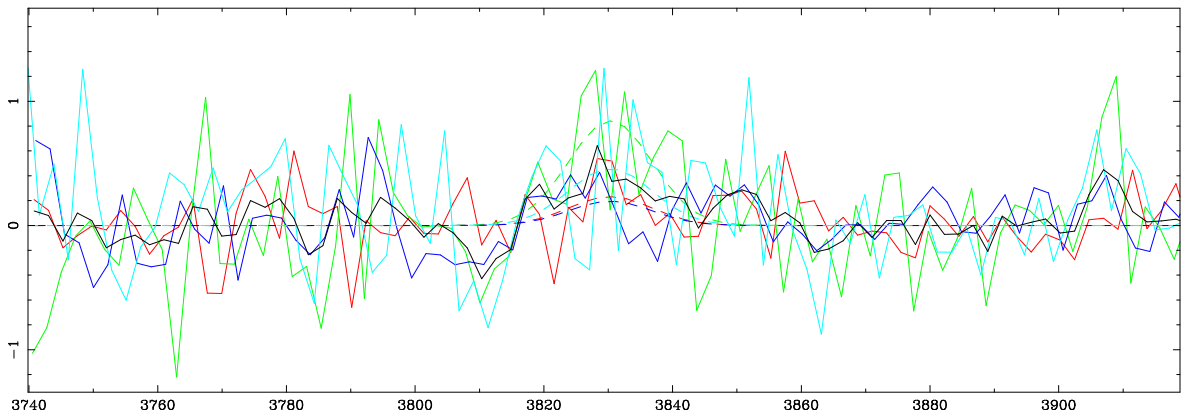
$\lambda_{obs} = 3828.42Å$

$EW_{obs} > 64.67Å$

$\alpha_{2000} = 189.2779°$

$\delta_{2000} = 62.2030°$





S/N = 5.15

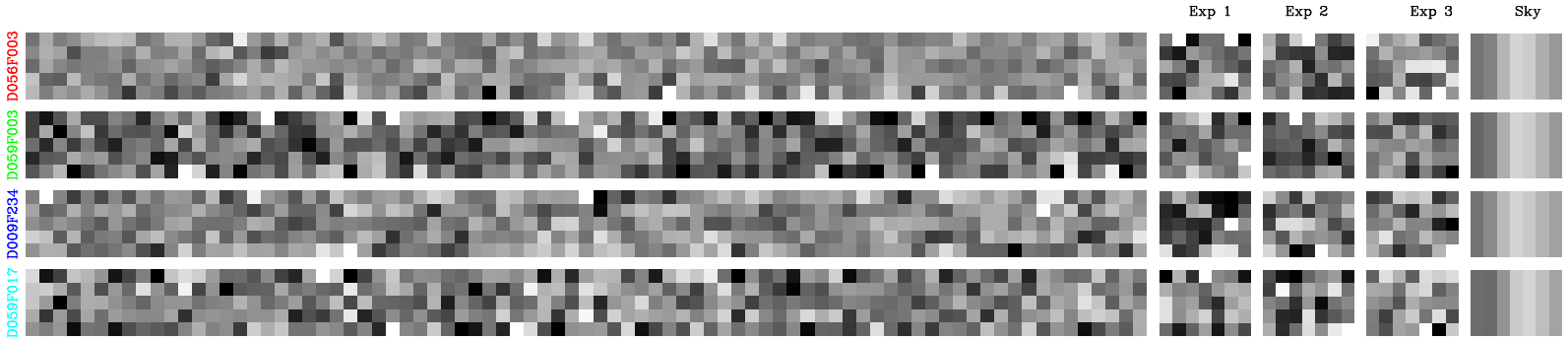
$FWHM_{obs}$ = 15.34Å

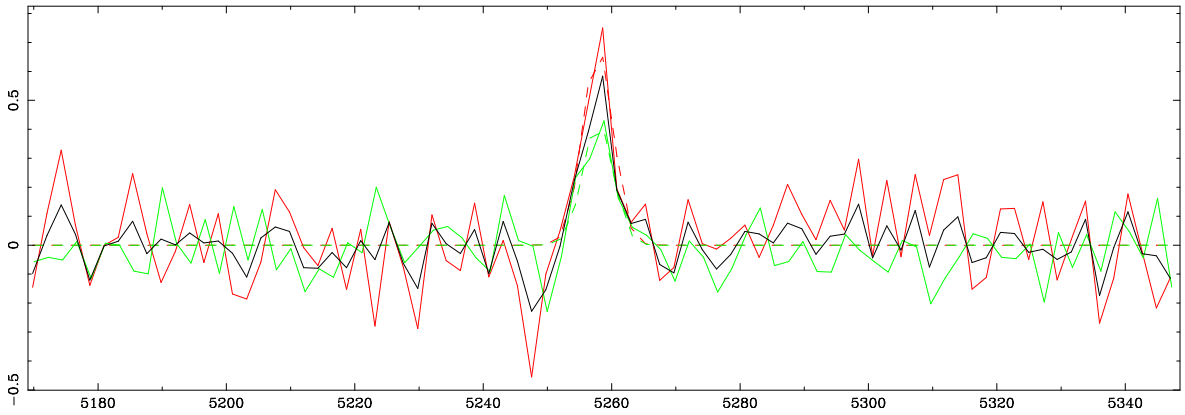
λ_{obs} = 3830.33Å

EW_{obs} > 78.16Å

α_{2000} = 189.2526°

δ_{2000} = 62.2268°





$S/N = 7.09$

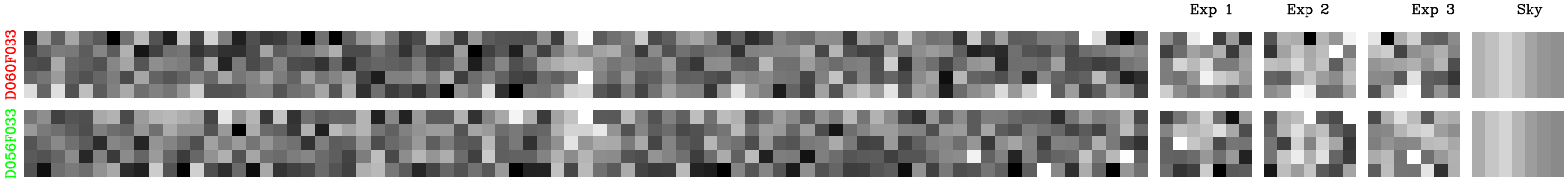
$FWHM_{obs} = 5.52Å$

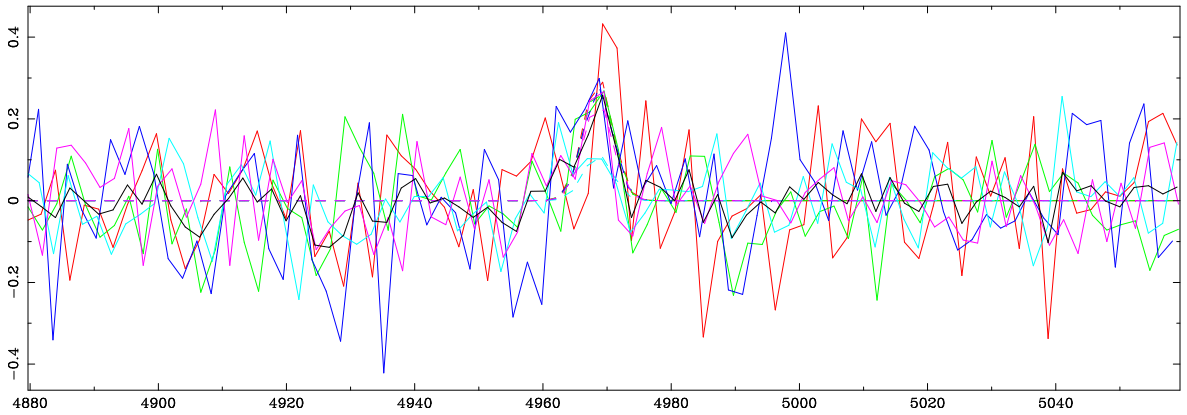
$\lambda_{obs} = 5257.87Å$

$EW_{obs} = 25.62Å$

$\alpha_{2000} = 189.2574°$

$\delta_{2000} = 62.2230°$





$S/N = 5.68$

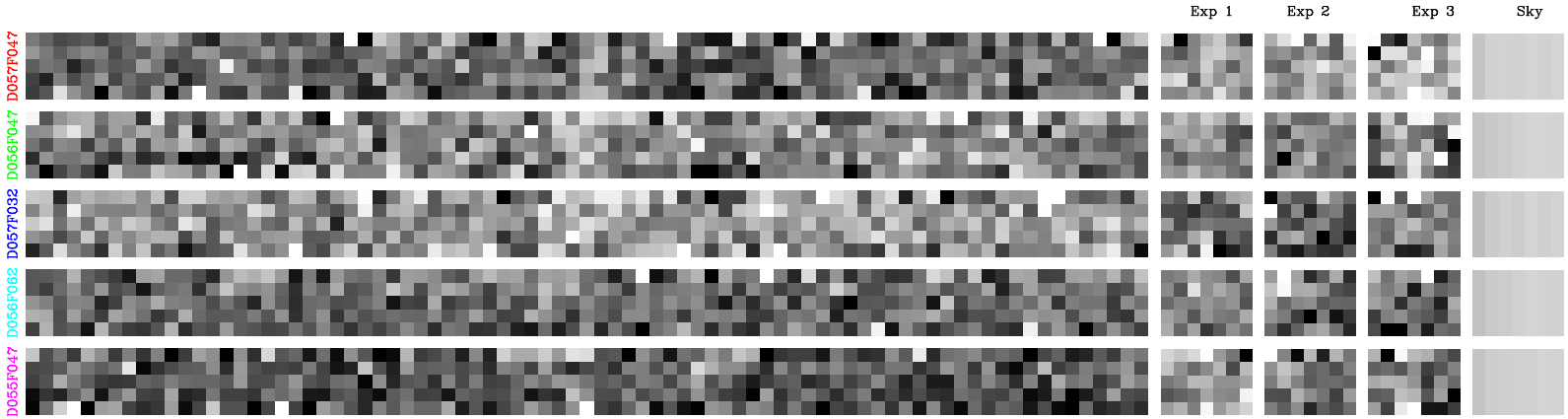
$FWHM_{obs} = 5.30$Å

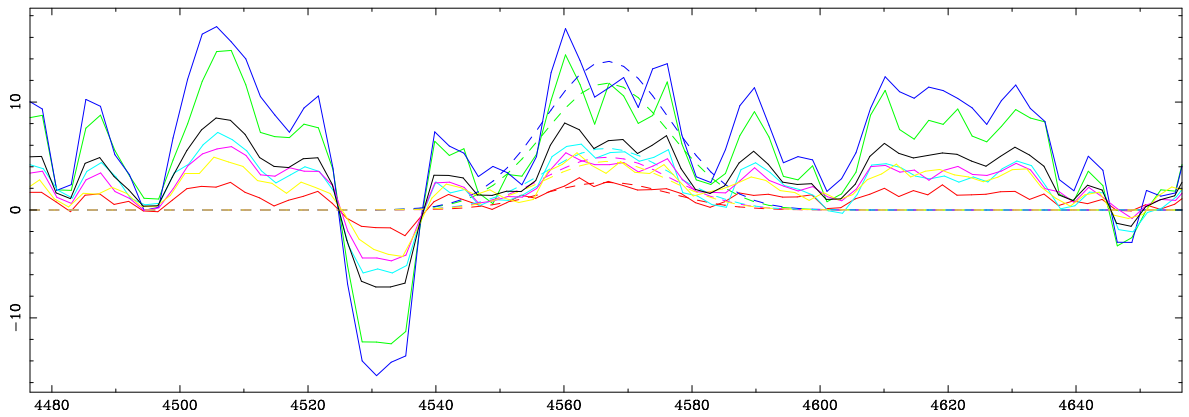
$\lambda_{obs} = 4968.59$Å

$EW_{obs} > 55.93$Å

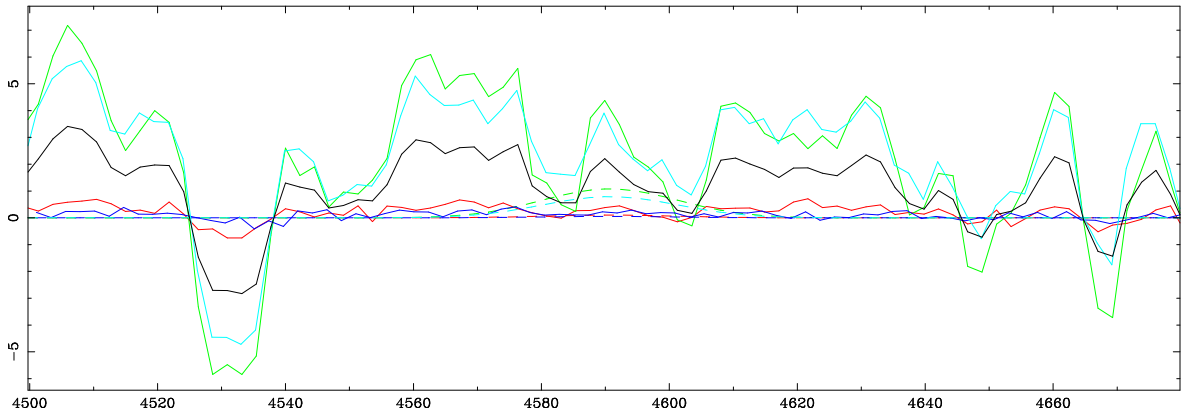
$\alpha_{2000} = 189.2560°$

$\delta_{2000} = 62.2217°$





S/N = 98.40
$FWHM_{obs}$ = 23.14Å
λ_{obs} = 4566.72Å
EW_{obs} = 3.65Å
α_{2000} = 189.2895°
δ_{2000} = 62.2090°



S/N = 46.47

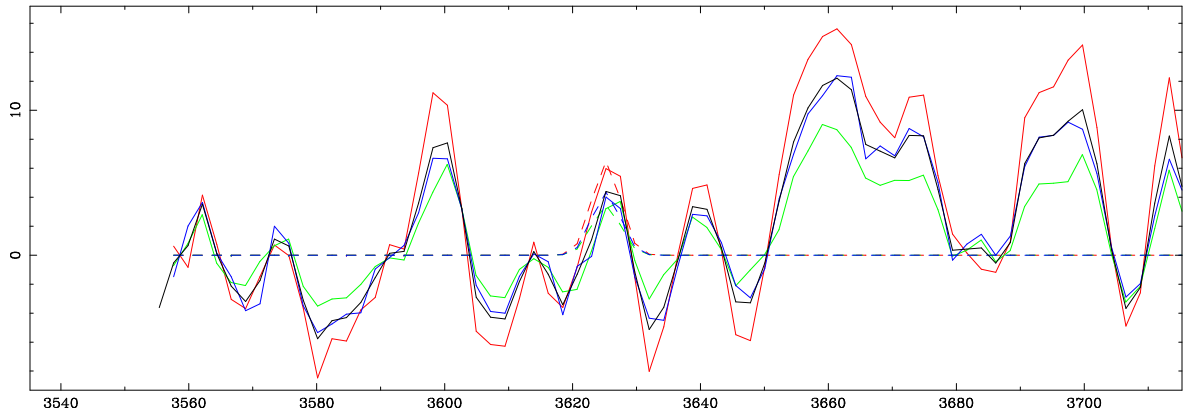
$FWHM_{obs}$ = 25.00Å

λ_{obs} = 4590.71Å

EW_{obs} = 3.32Å

α_{2000} = 189.2895°

δ_{2000} = 62.2095°



$S/N = 11.88$

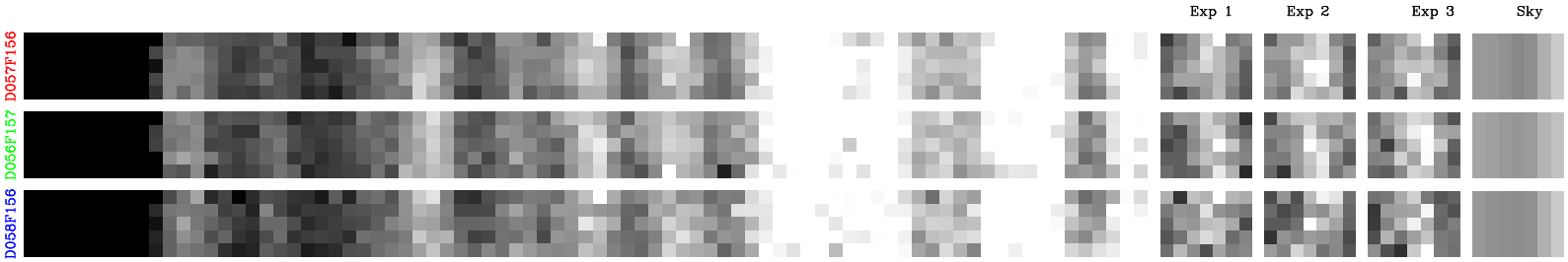
$FWHM_{obs} = 5.20Å$

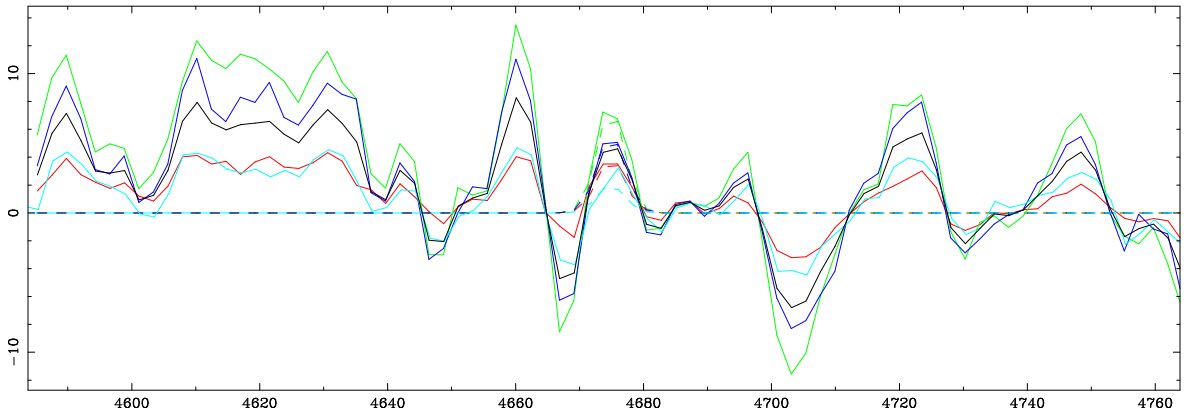
$\lambda_{obs} = 3625.25Å$

$EW_{obs} = 1.45Å$

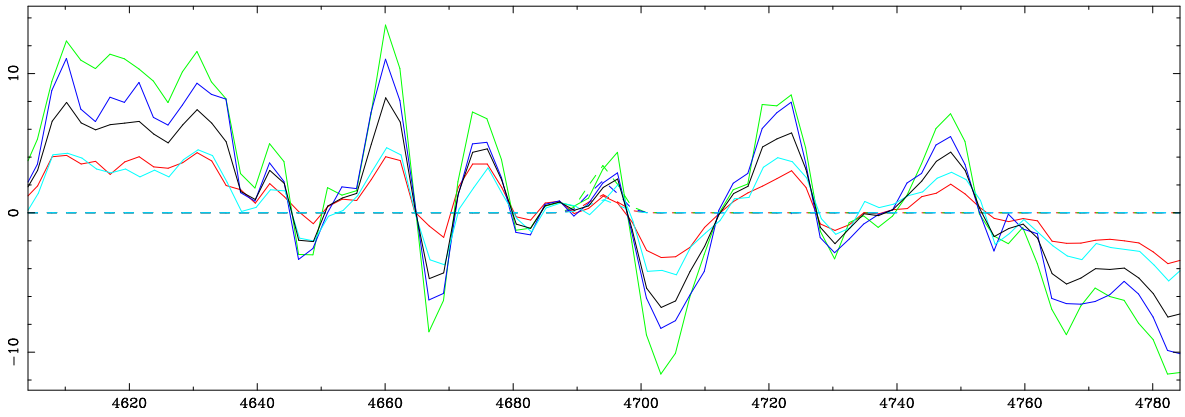
$\alpha_{2000} = 189.2896°$

$\delta_{2000} = 62.2090°$

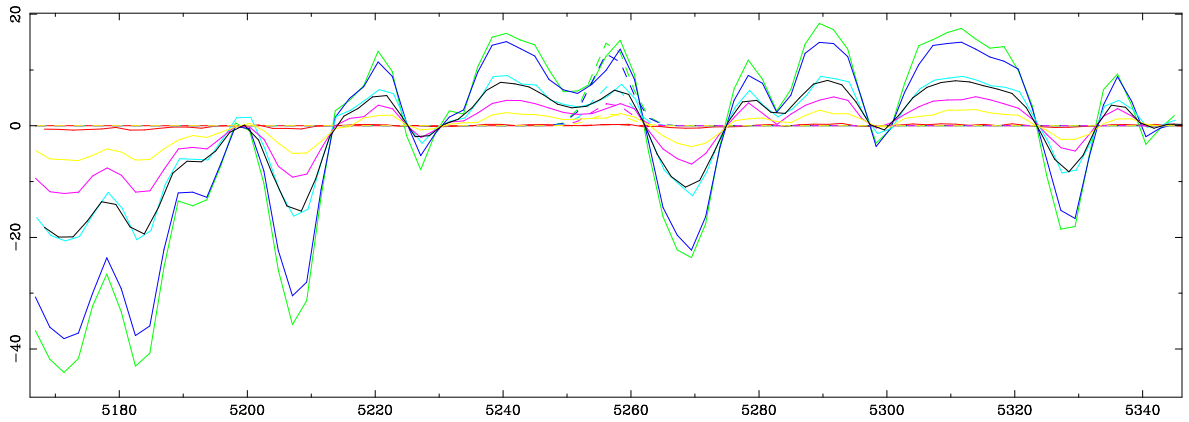




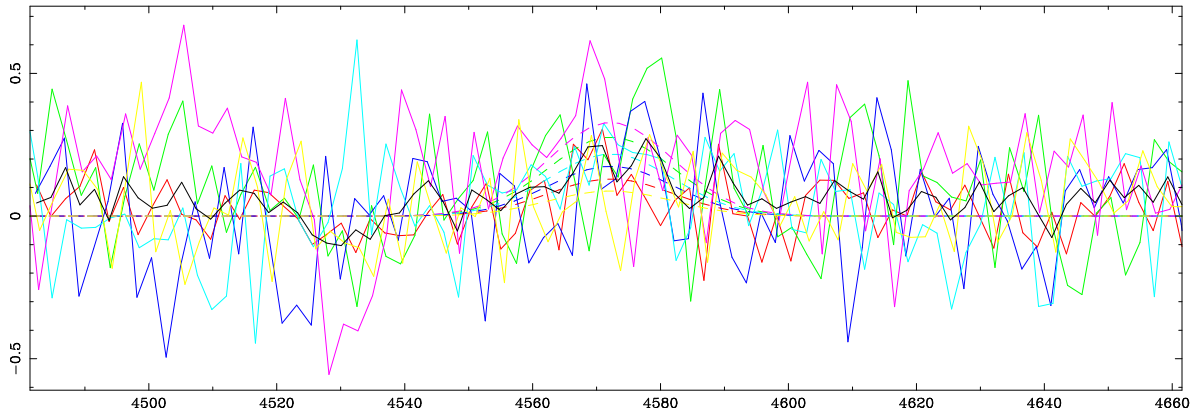
S/N = 18.58
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 4674.88Å
EW_{obs} = 0.34Å
α_{2000} = 189.2895°
δ_{2000} = 62.2091°



S/N = 11.58
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 4694.10Å
EW_{obs} = 0.18Å
α_{2000} = 189.2894°
δ_{2000} = 62.2091°



S/N = 68.06
$FWHM_{obs}$ = 6.64Å
λ_{obs} = 5256.77Å
EW_{obs} = 1.40Å
α_{2000} = 189.2892°
δ_{2000} = 62.2091°



$S/N = 7.46$

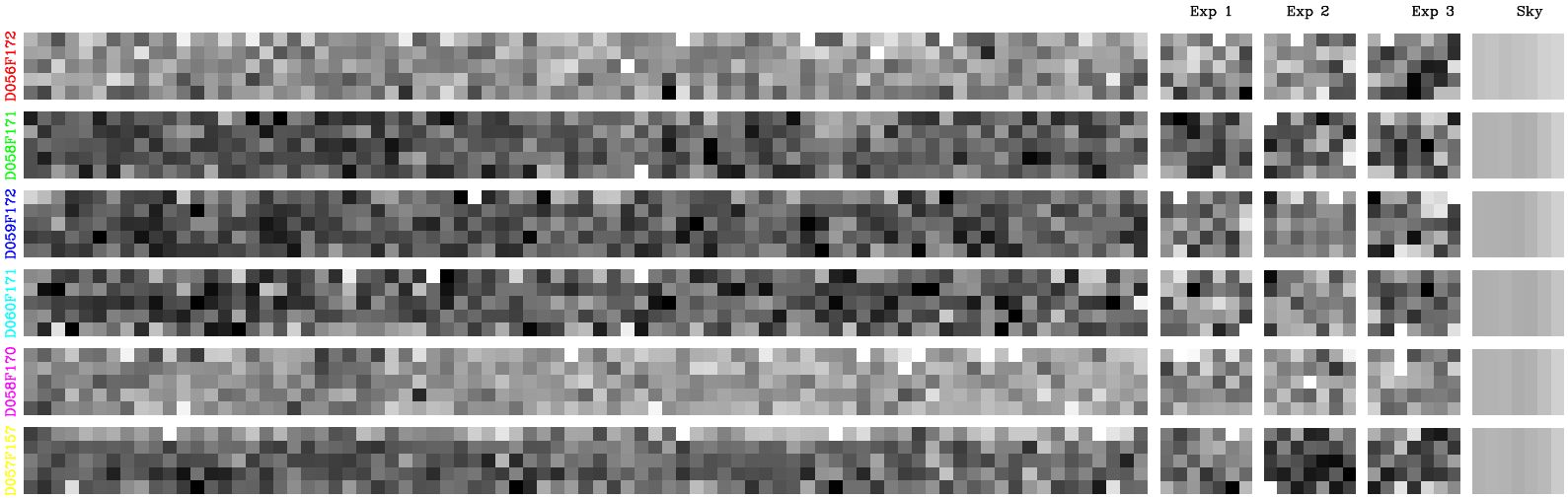
$FWHM_{obs} = 22.94Å$

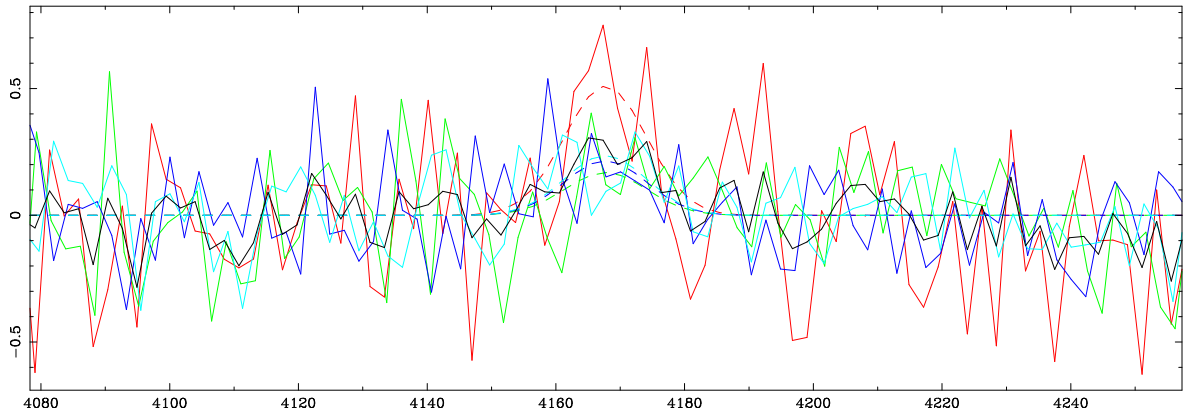
$\lambda_{obs} = 4572.22Å$

$EW_{obs} = 6.64Å$

$\alpha_{2000} = 189.2906°$

$\delta_{2000} = 62.2076°$





S/N = 5.10

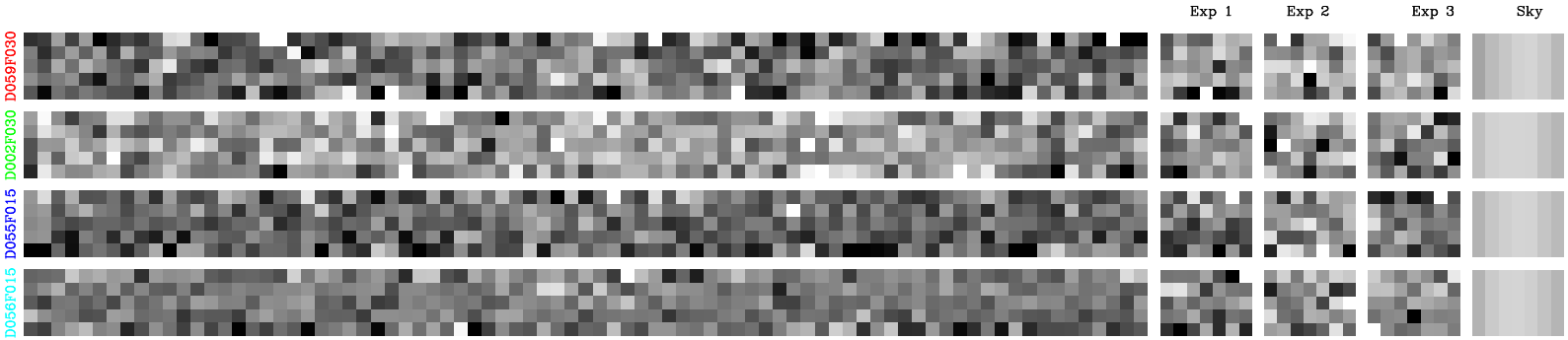
$FWHM_{obs}$ = 15.07Å

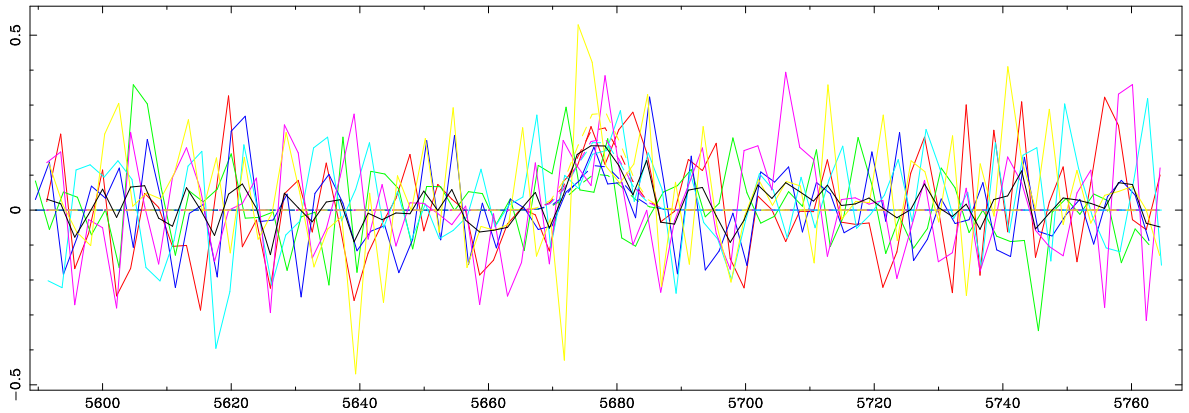
λ_{obs} = 4167.71Å

EW_{obs} = 49.10Å

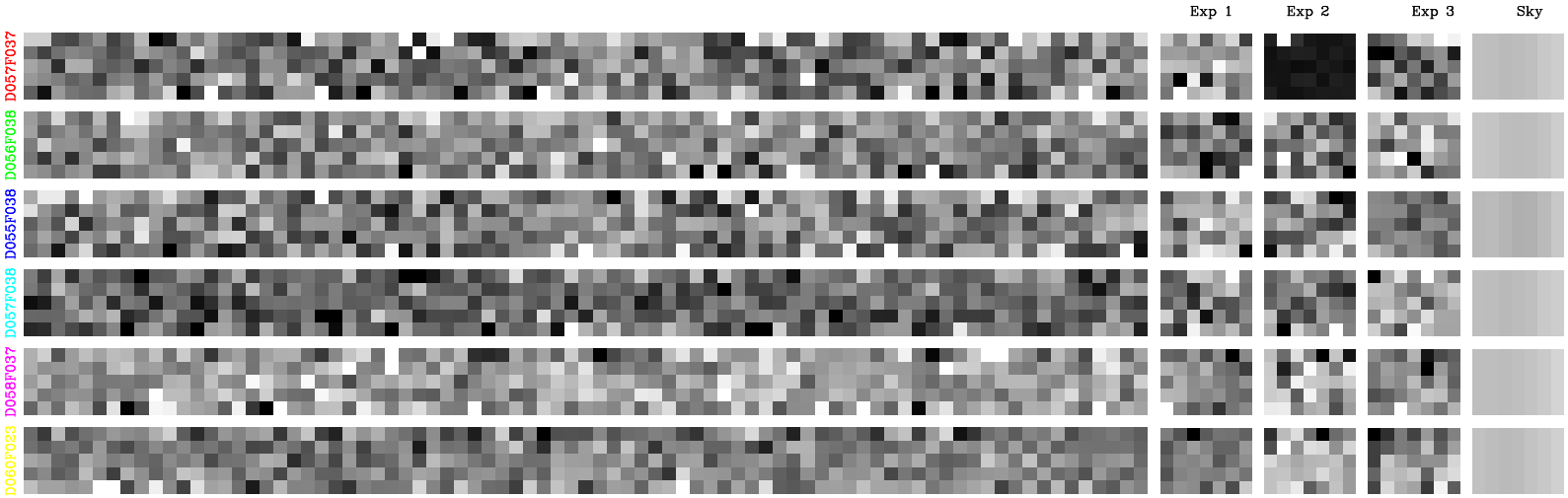
α_{2000} = 189.2441°

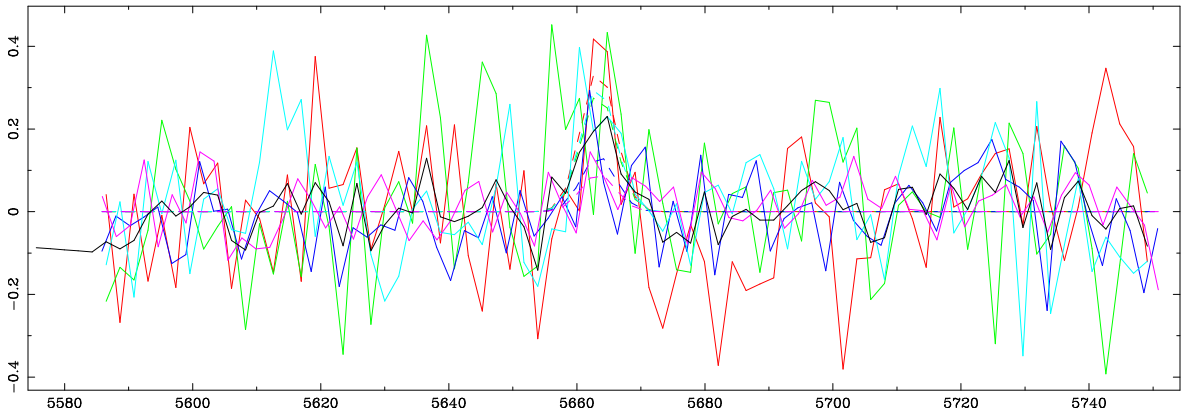
δ_{2000} = 62.2246°





S/N = 5.06
$FWHM_{obs}$ = 8.30Å
λ_{obs} = 5677.28Å
EW_{obs} > 52.00Å
α_{2000} = 189.2780°
δ_{2000} = 62.2233°





S/N = 5.35

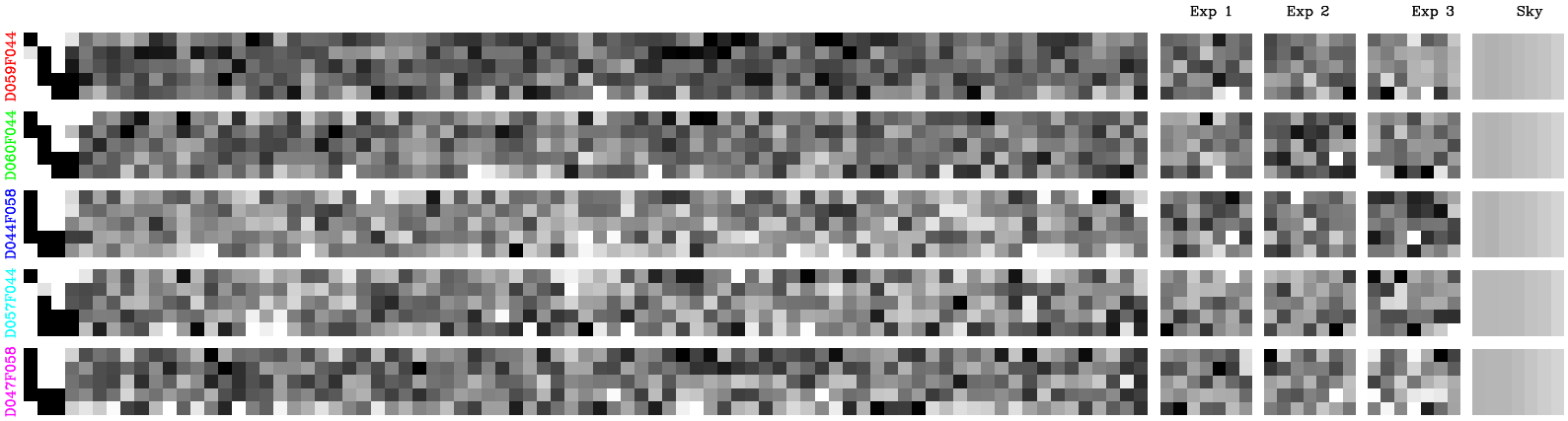
$FWHM_{obs}$ = 6.35Å

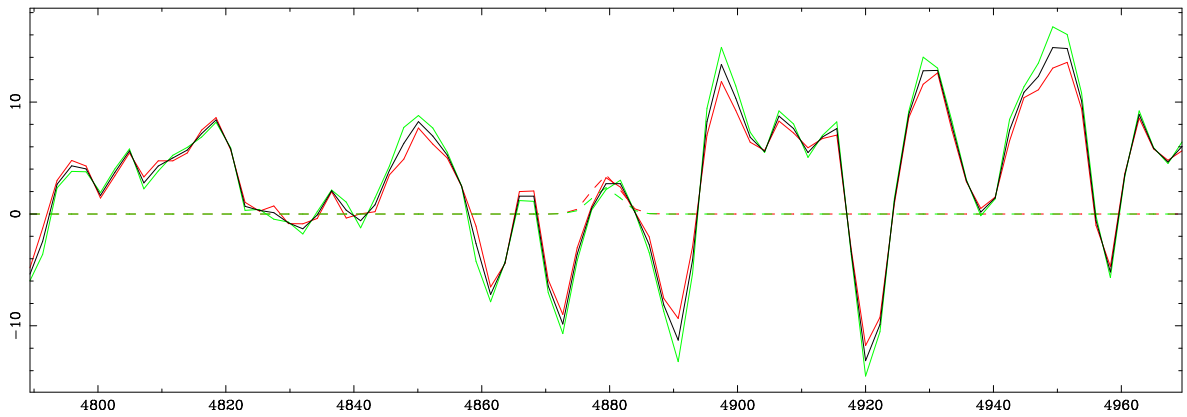
λ_{obs} = 5663.36Å

EW_{obs} > 54.78Å

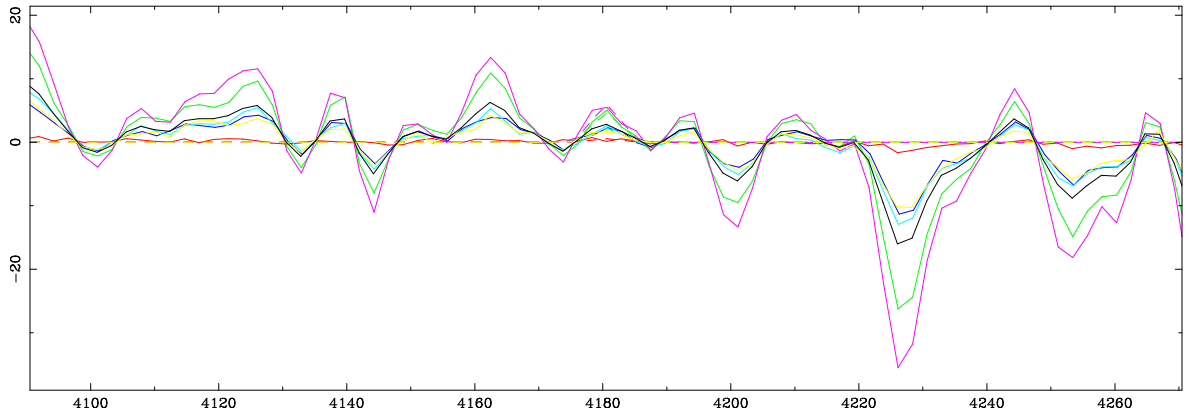
α_{2000} = 189.2429°

δ_{2000} = 62.2216°





S/N = 8.41
$FWHM_{obs}$ = 5.22Å
λ_{obs} = 4879.46Å
EW_{obs} = 0.15Å
α_{2000} = 189.2892°
δ_{2000} = 62.2090°



$S/N = 20.51$

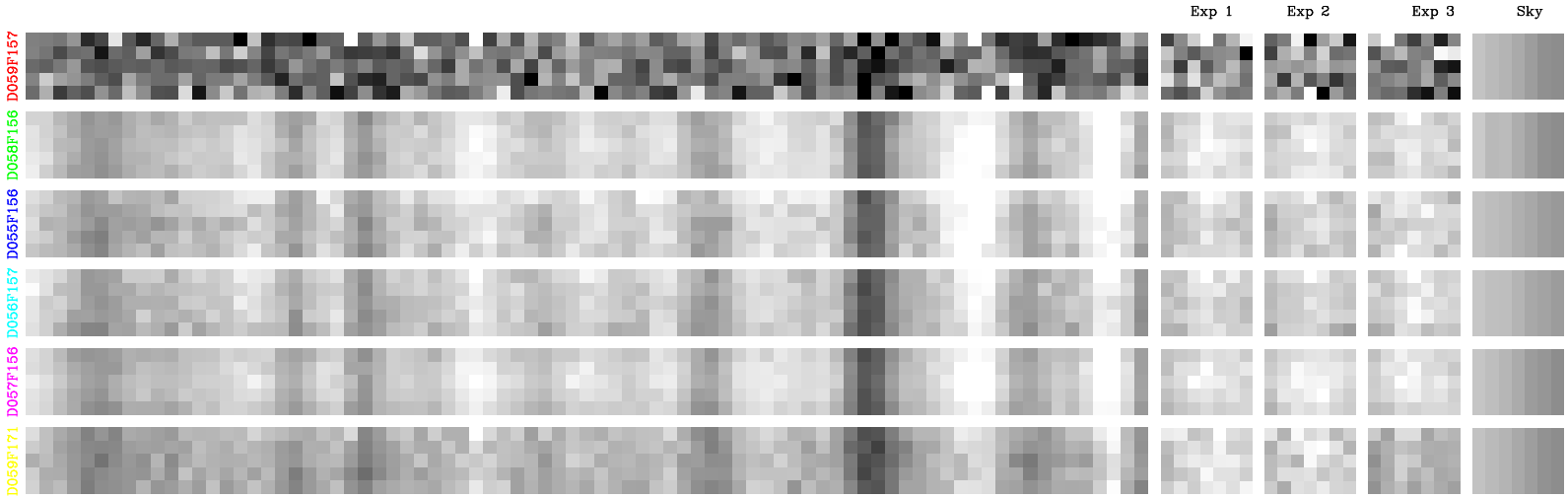
$FWHM_{obs} = 5.20Å$

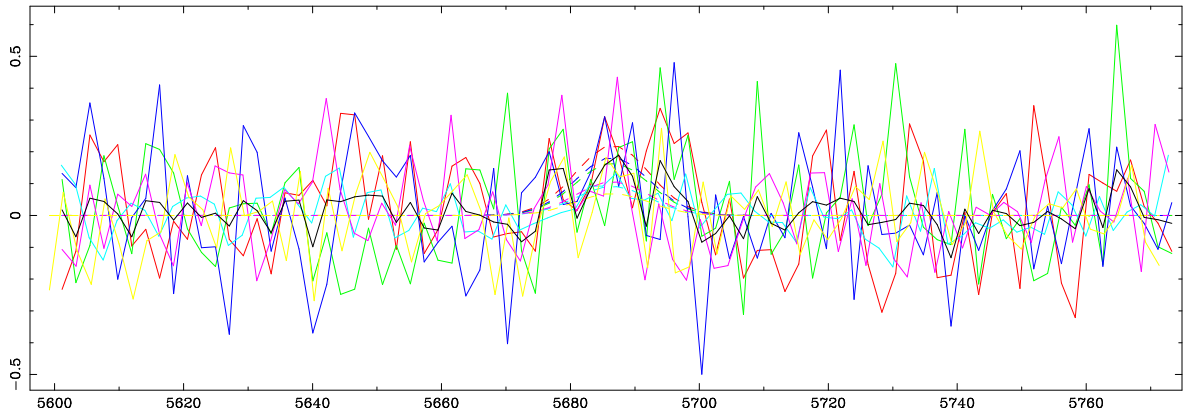
$\lambda_{obs} = 4180.56Å$

$EW_{obs} = 0.62Å$

$\alpha_{2000} = 189.2895°$

$\delta_{2000} = 62.2090°$





S/N = 5.07

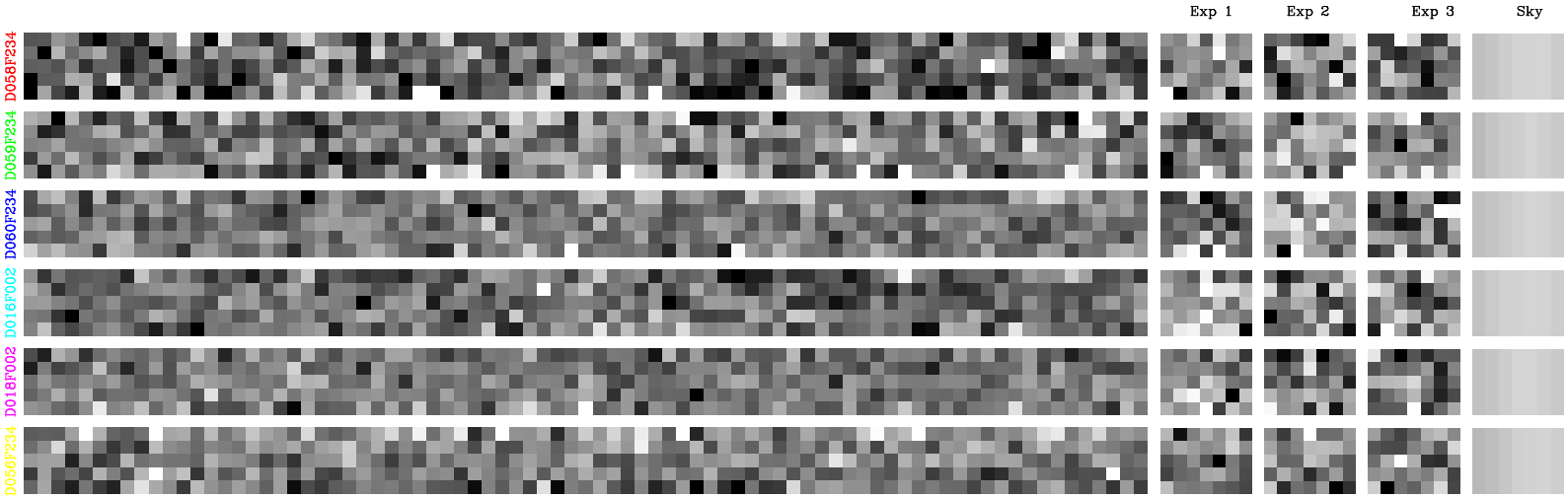
$FWHM_{obs}$ = 13.55Å

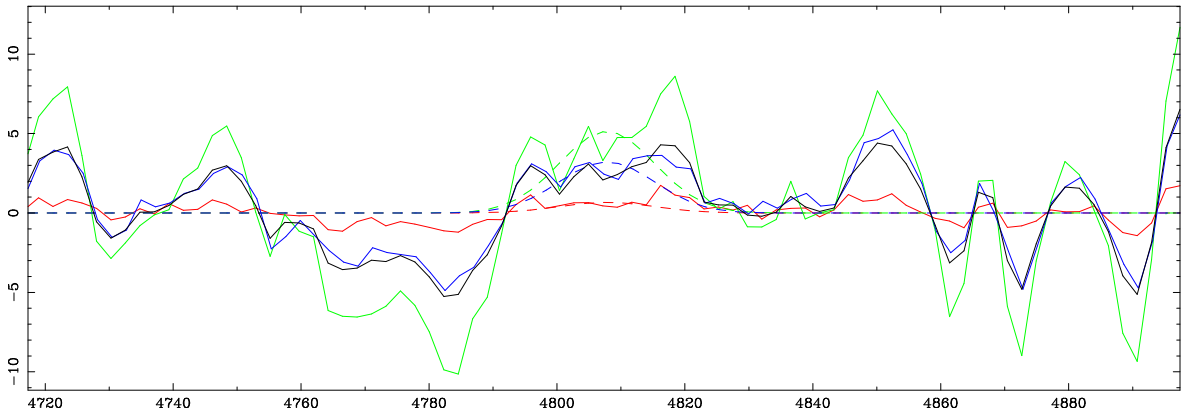
λ_{obs} = 5686.51Å

EW_{obs} > 70.14Å

α_{2000} = 189.2497°

δ_{2000} = 62.1988°





S/N = 39.38

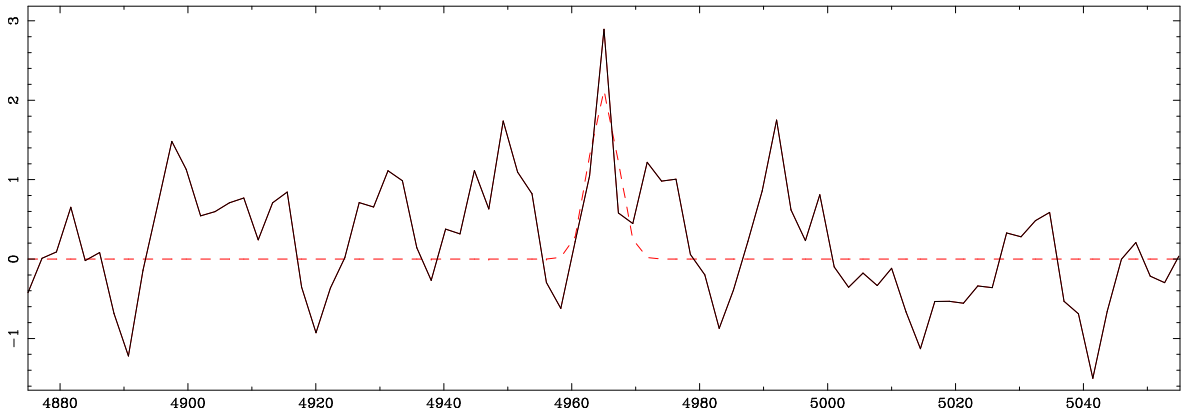
$FWHM_{obs}$ = 17.62Å

λ_{obs} = 4807.80Å

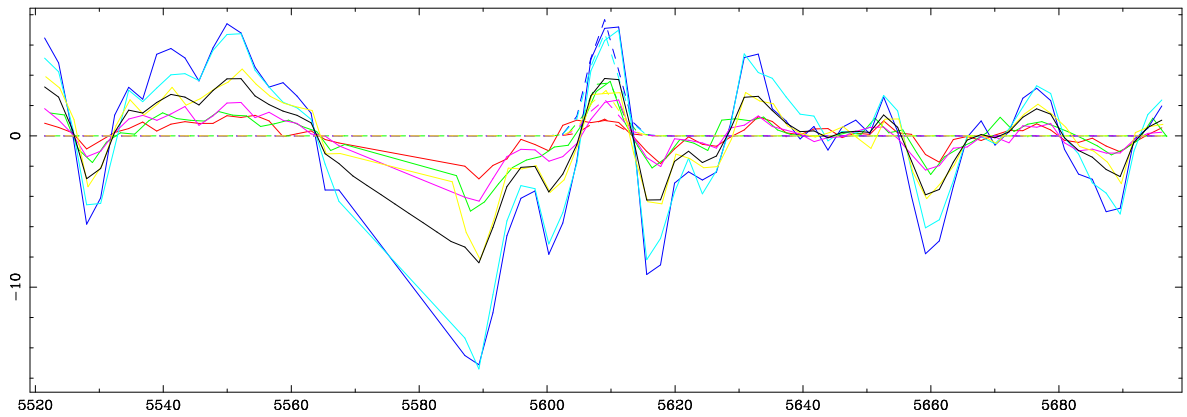
EW_{obs} = 1.78Å

α_{2000} = 189.2891°

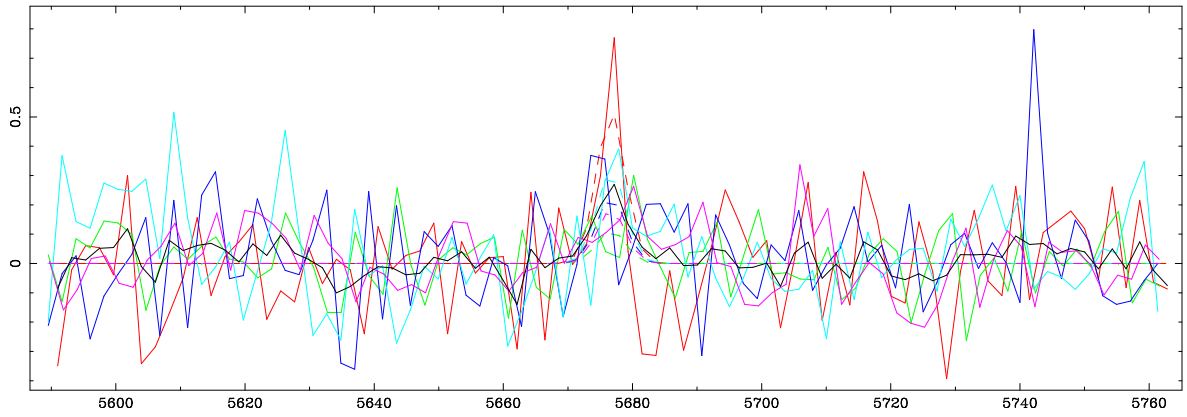
δ_{2000} = 62.2094°



S/N = 11.39
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 4964.98Å
EW_{obs} = 1.42Å
α_{2000} = 189.2874°
δ_{2000} = 62.2098°



S/N = 18.12
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5608.82Å
EW_{obs} = 0.30Å
α_{2000} = 189.2893°
δ_{2000} = 62.2089°



S/N = 5.41

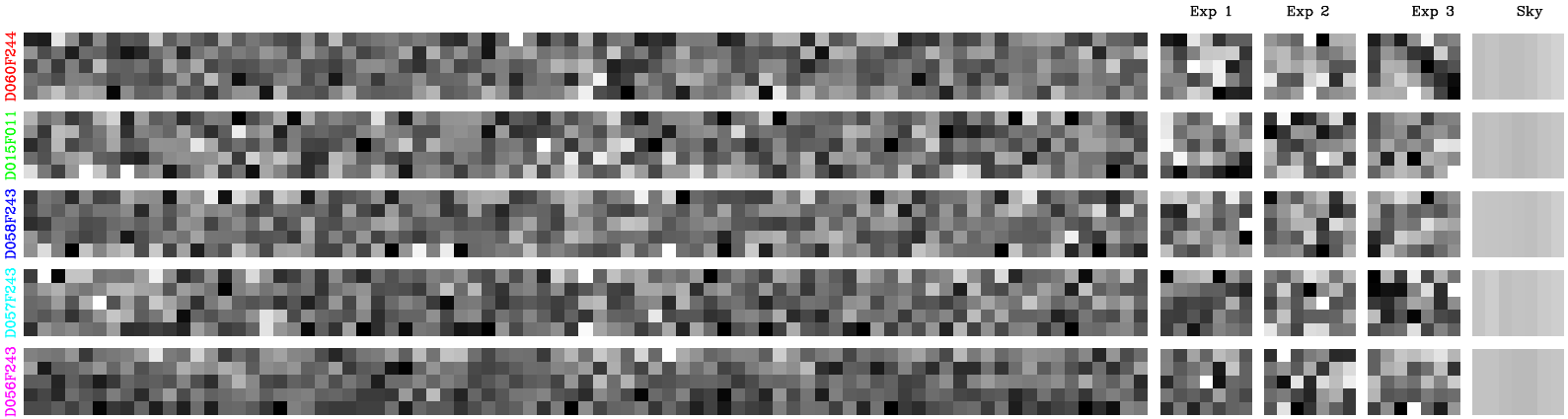
$FWHM_{obs}$ = 5.20Å

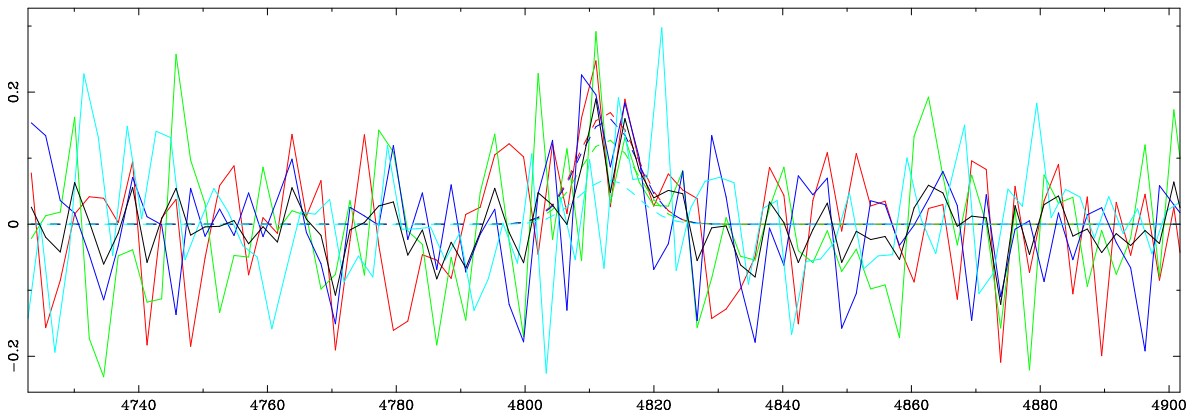
λ_{obs} = 5676.68Å

EW_{obs} > 49.64Å

α_{2000} = 189.2897°

δ_{2000} = 62.1984°





S/N = 5.00

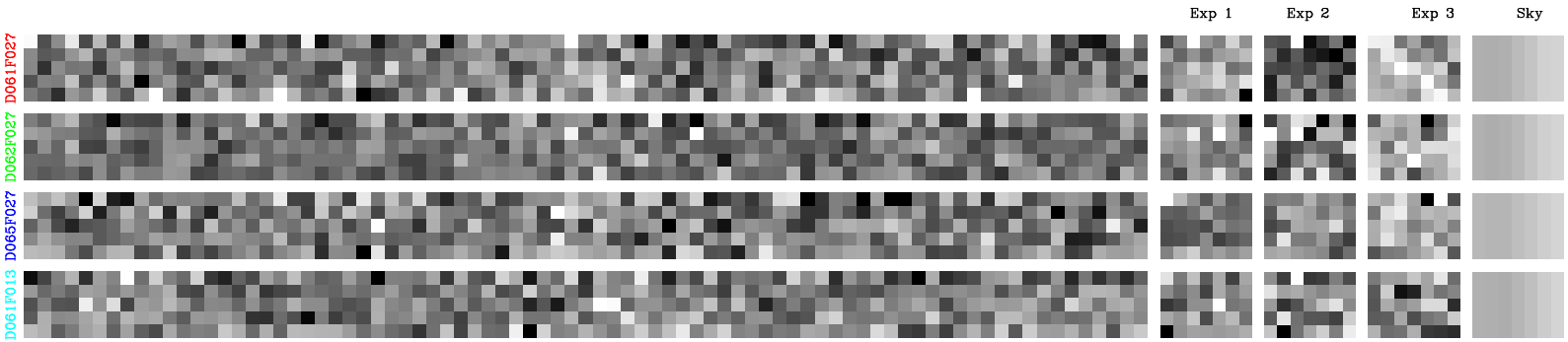
$FWHM_{obs}$ = 10.75Å

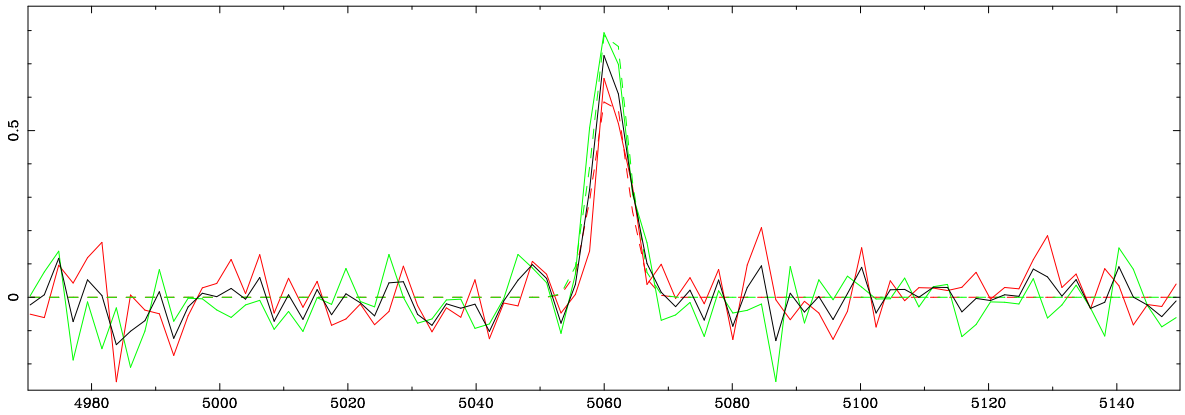
λ_{obs} = 4812.82Å

EW_{obs} > 66.17Å

α_{2000} = 189.2338°

δ_{2000} = 62.2531°





S/N = 14.01

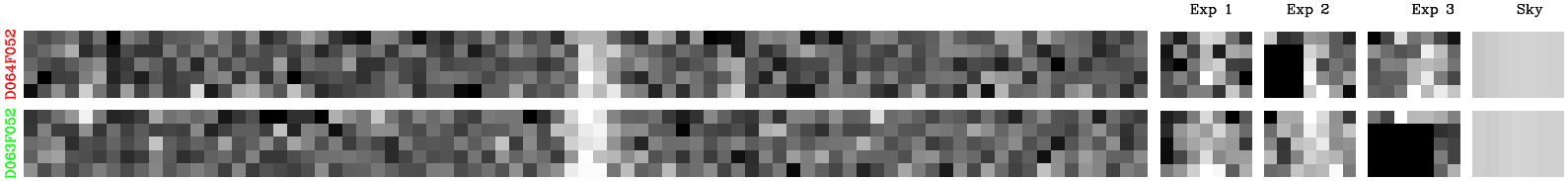
$FWHM_{obs}$ = 6.11Å

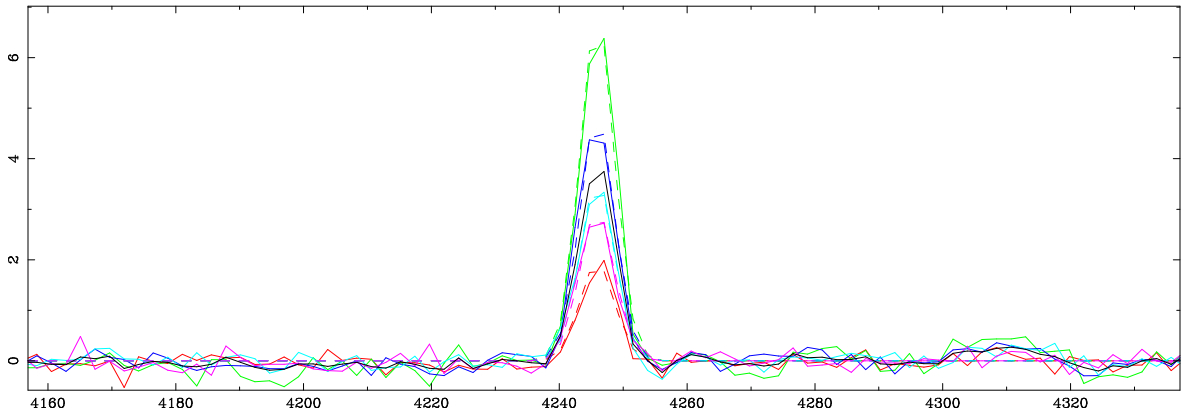
λ_{obs} = 5060.96Å

EW_{obs} = 68.68Å

α_{2000} = 189.2188°

δ_{2000} = 62.2493°





$S/N = 68.28$

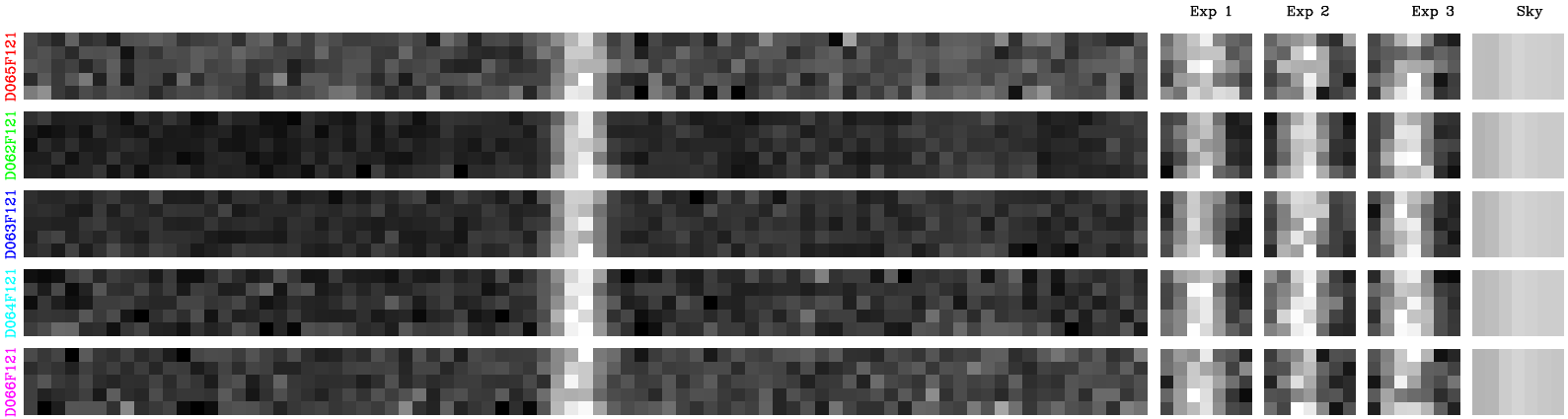
$FWHM_{obs} = 6.47Å$

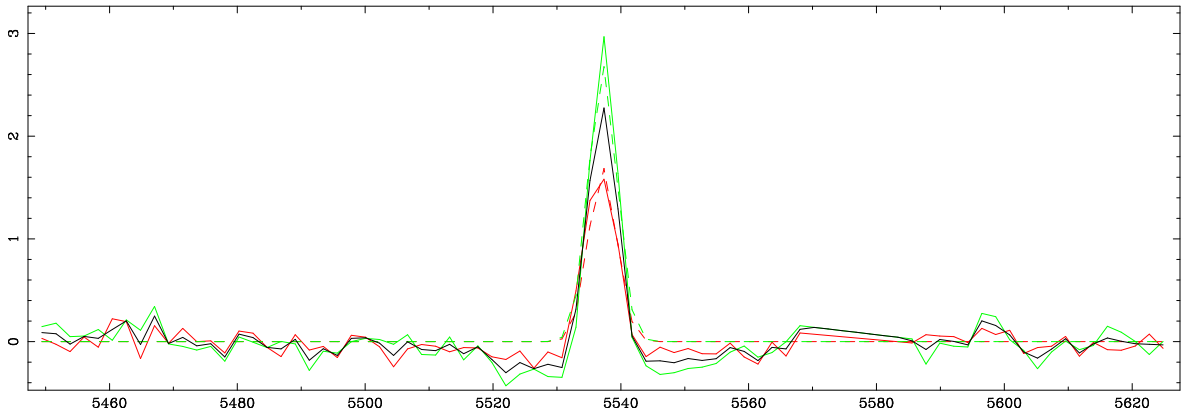
$\lambda_{obs} = 4245.92Å$

$EW_{obs} = 32.94Å$

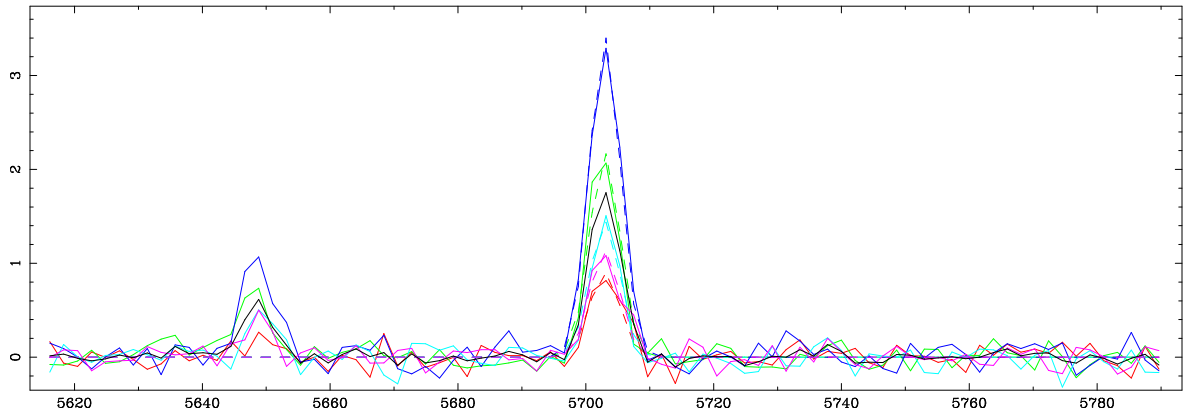
$\alpha_{2000} = 189.2023°$

$\delta_{2000} = 62.2409°$





S/N = 25.40
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5537.16Å
EW_{obs} = 7.99Å
α_{2000} = 189.2014°
δ_{2000} = 62.2409°



$S/N = 34.20$

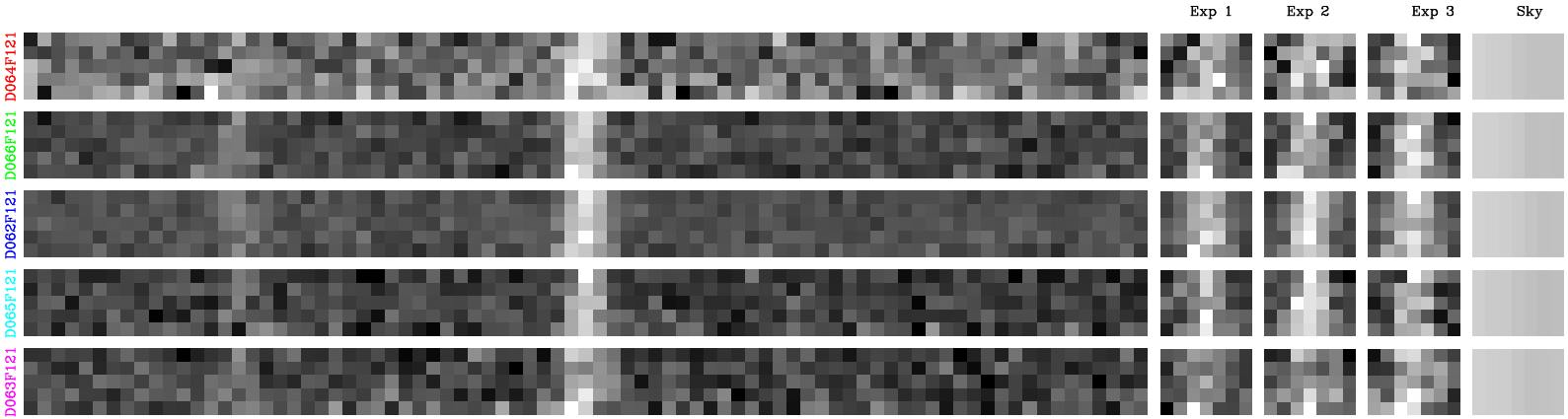
$FWHM_{obs} = 5.63Å$

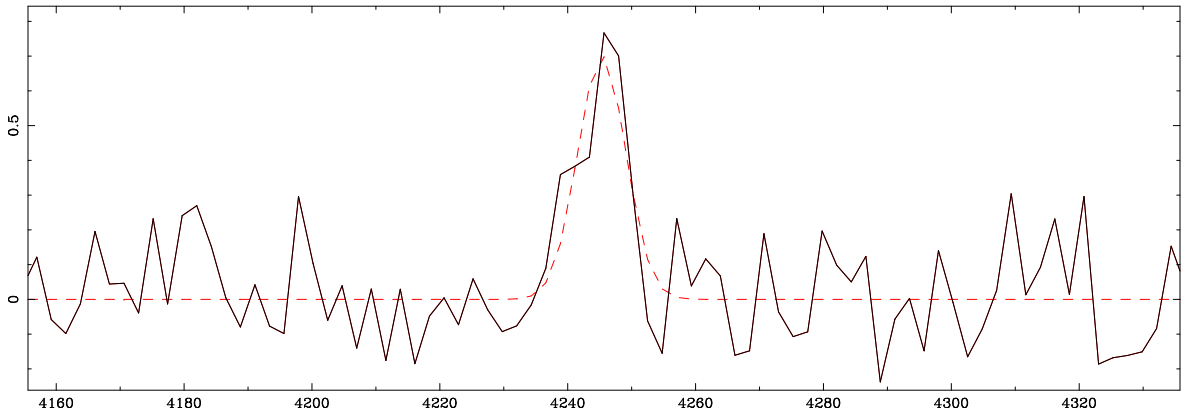
$\lambda_{obs} = 5702.97Å$

$EW_{obs} = 11.82Å$

$\alpha_{2000} = 189.2019°$

$\delta_{2000} = 62.2410°$





S/N = 7.18

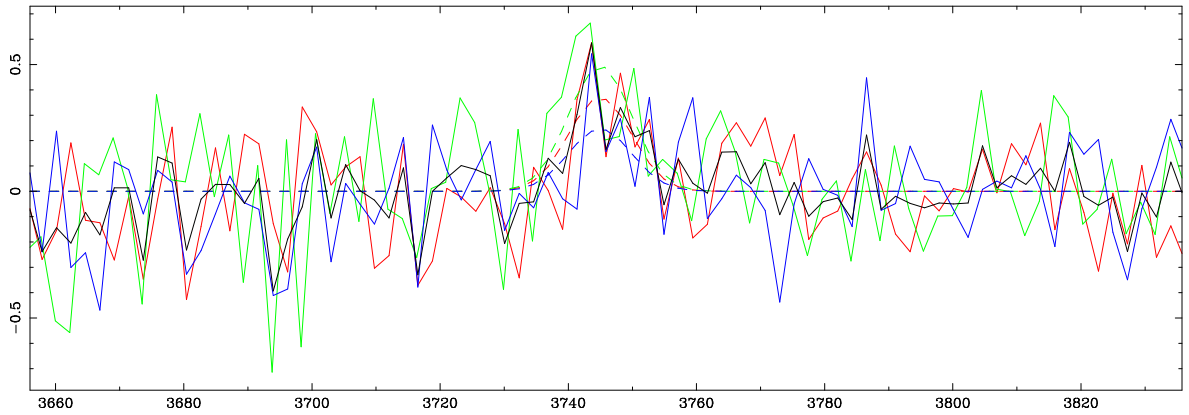
$FWHM_{obs}$ = 8.88Å

λ_{obs} = 4245.34Å

EW_{obs} = 44.57Å

α_{2000} = 189.1982°

δ_{2000} = 62.2387°



S/N = 5.02

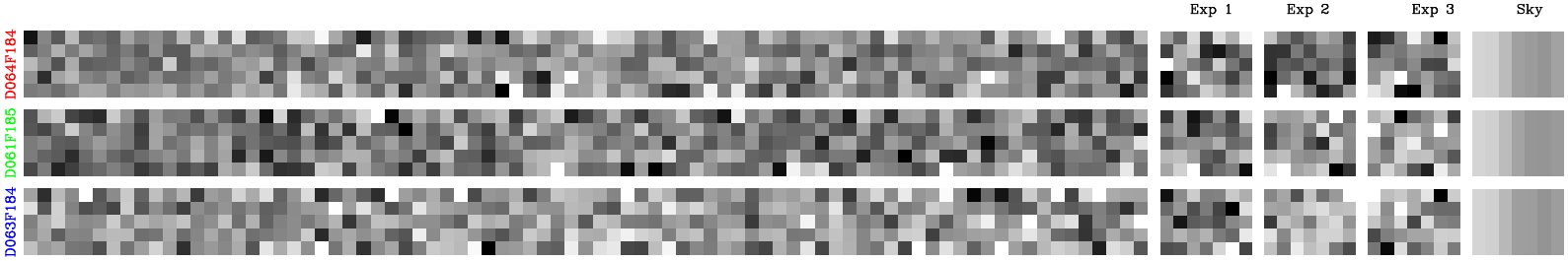
$FWHM_{obs}$ = 11.66Å

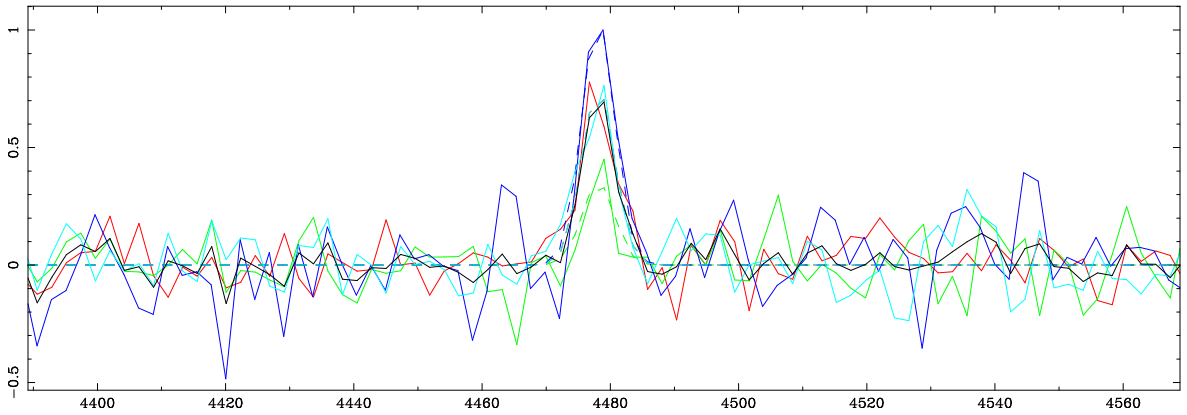
λ_{obs} = 3744.95Å

EW_{obs} > 66.28Å

α_{2000} = 189.2254°

δ_{2000} = 62.2336°





S/N = 14.33

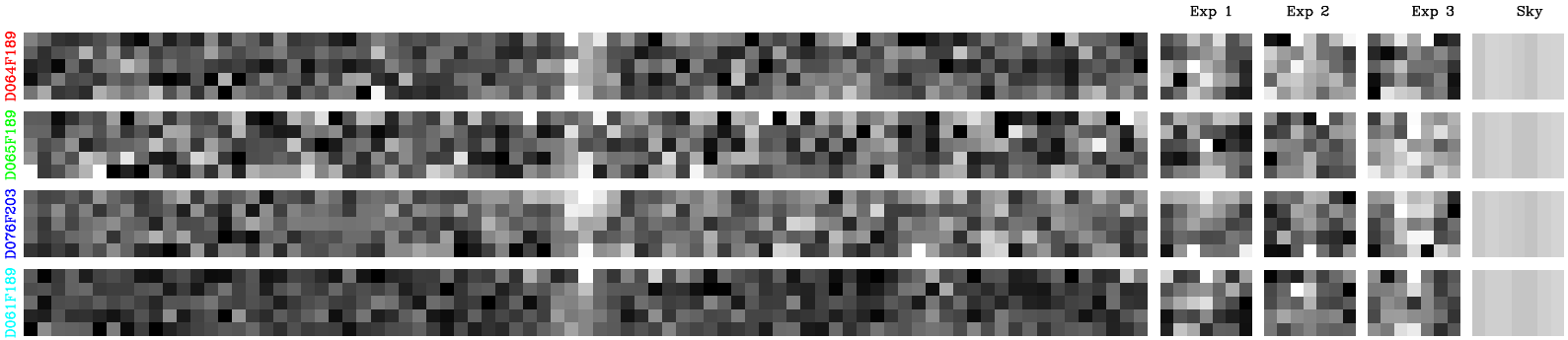
$FWHM_{obs}$ = 6.07Å

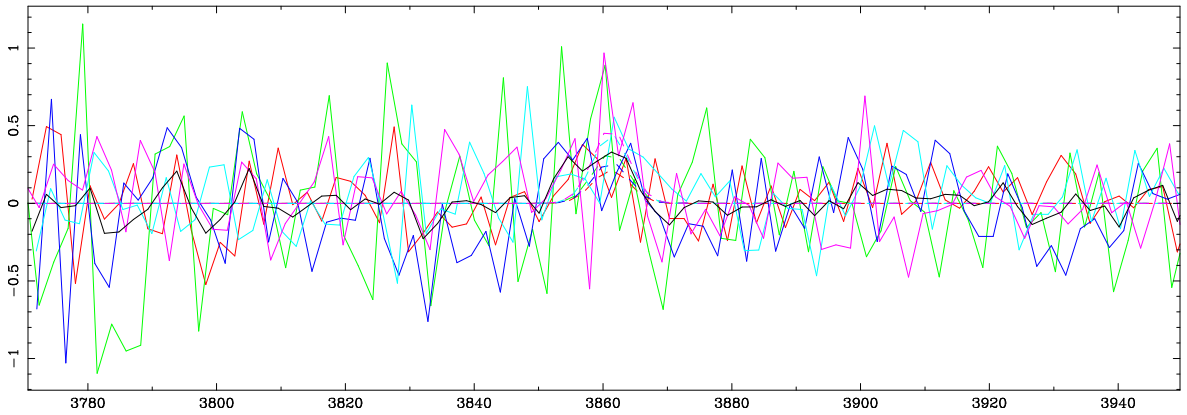
λ_{obs} = 4478.13Å

EW_{obs} = 21.81Å

α_{2000} = 189.1823°

δ_{2000} = 62.2323°





S/N = 5.09

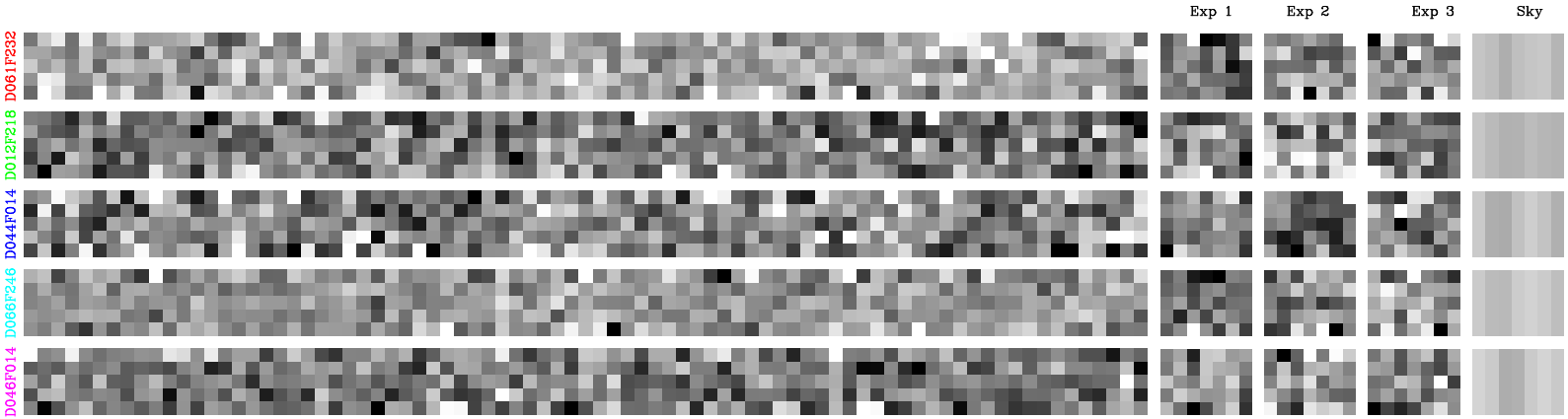
$FWHM_{obs}$ = 6.62Å

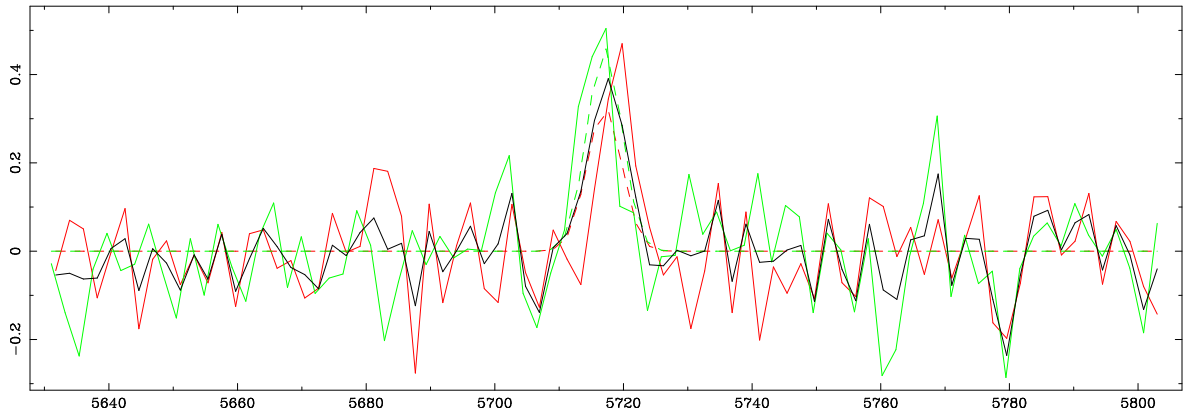
λ_{obs} = 3861.23Å

EW_{obs} > 50.44Å

α_{2000} = 189.2413°

δ_{2000} = 62.2274°





S/N = 7.21

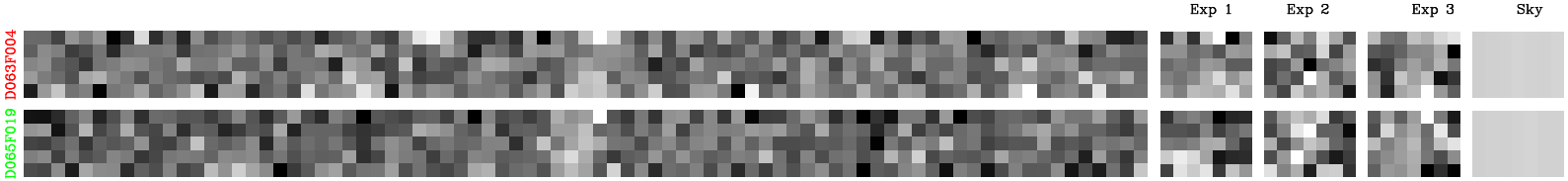
$FWHM_{obs}$ = 6.35Å

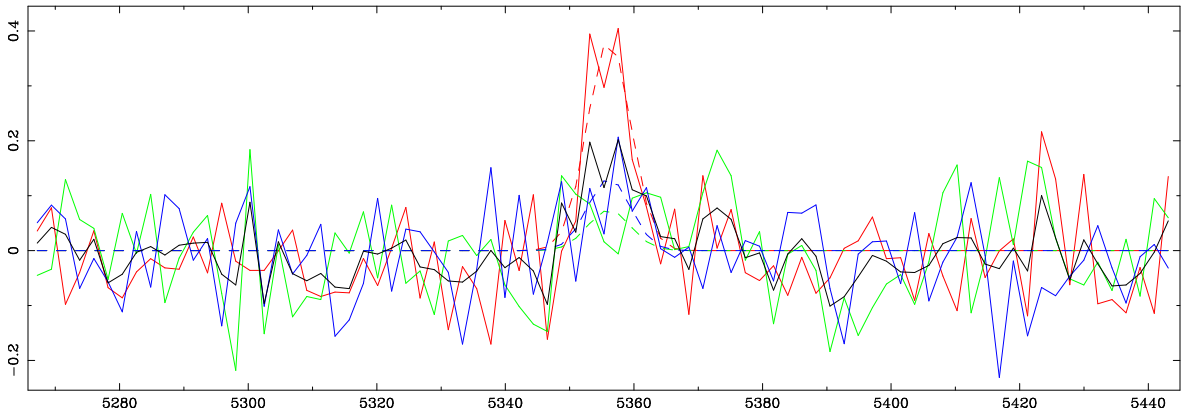
λ_{obs} = 5717.05Å

EW_{obs} = 65.93Å

α_{2000} = 189.1997°

δ_{2000} = 62.2540°





$S/N = 5.82$

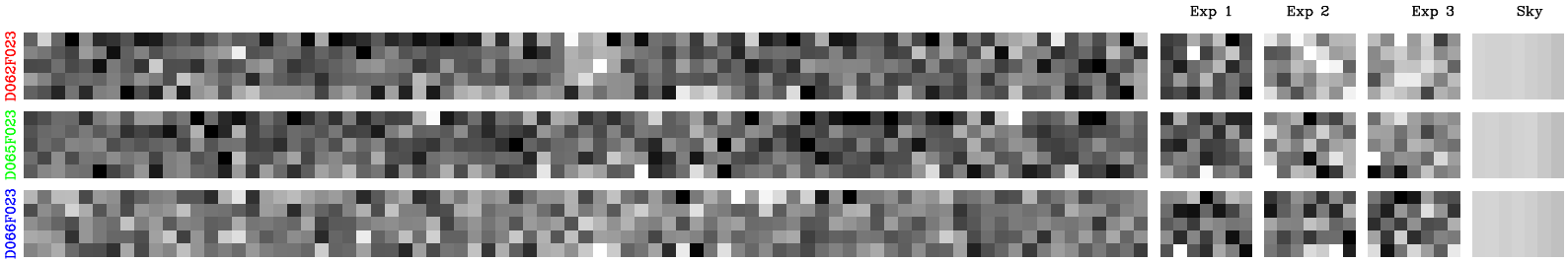
$FWHM_{obs} = 7.90$Å

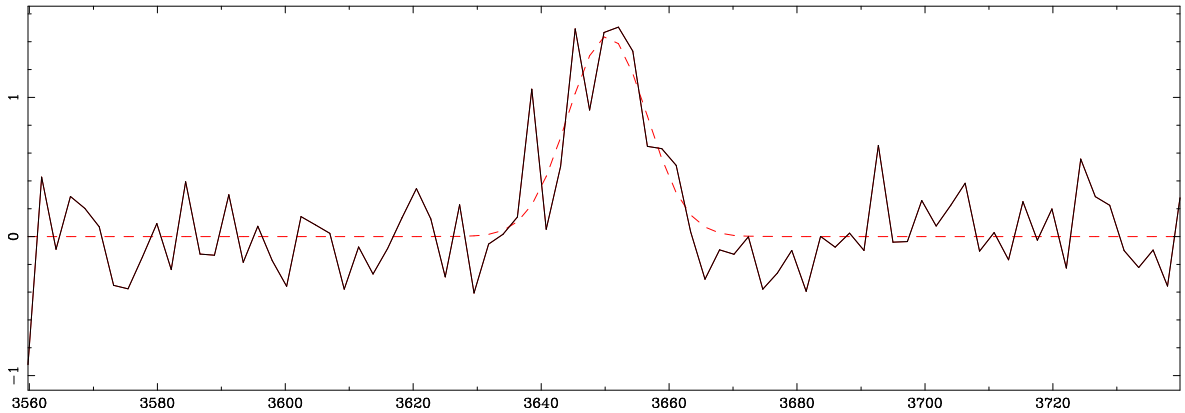
$\lambda_{obs} = 5356.13$Å

$EW_{obs} > 66.54$Å

$\alpha_{2000} = 189.2167°$

$\delta_{2000} = 62.2531°$





S/N = 8.35

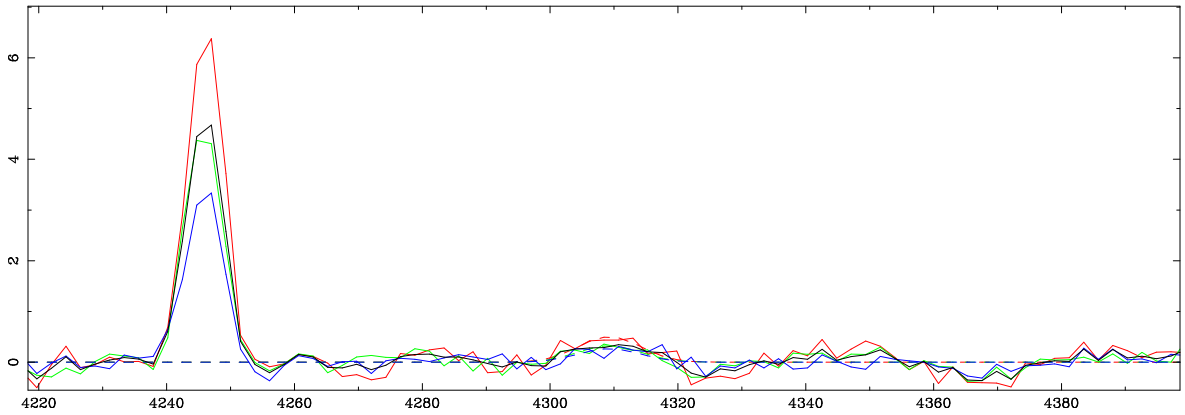
$FWHM_{obs}$ = 14.52Å

λ_{obs} = 3650.37Å

EW_{obs} > 136.85Å

α_{2000} = 189.1948°

δ_{2000} = 62.2463°



$S/N = 9.12$

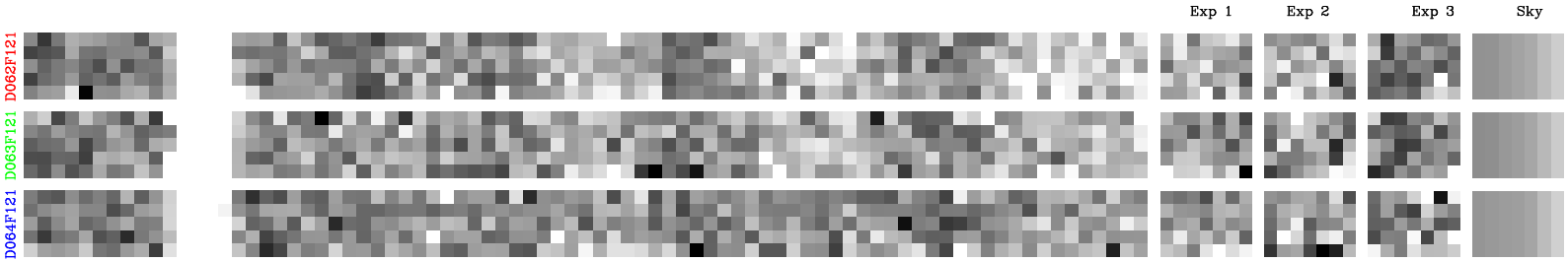
$FWHM_{obs} = 11.56Å$

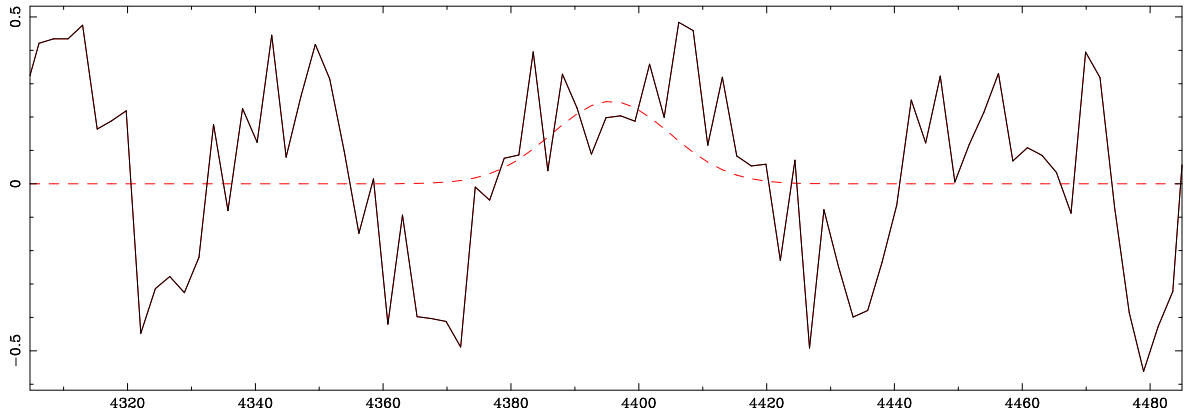
$\lambda_{obs} = 4309.30Å$

$EW_{obs} = 4.05Å$

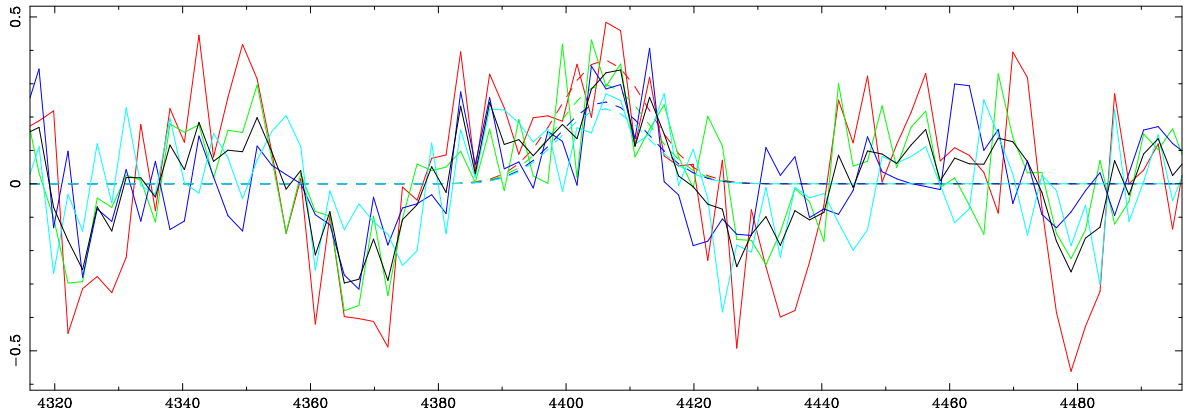
$\alpha_{2000} = 189.2025°$

$\delta_{2000} = 62.2409°$





S/N = 6.29
$FWHM_{obs}$ = 21.81Å
λ_{obs} = 4395.65Å
EW_{obs} = 5.25Å
α_{2000} = 189.2011°
δ_{2000} = 62.2411°



S/N = 9.25

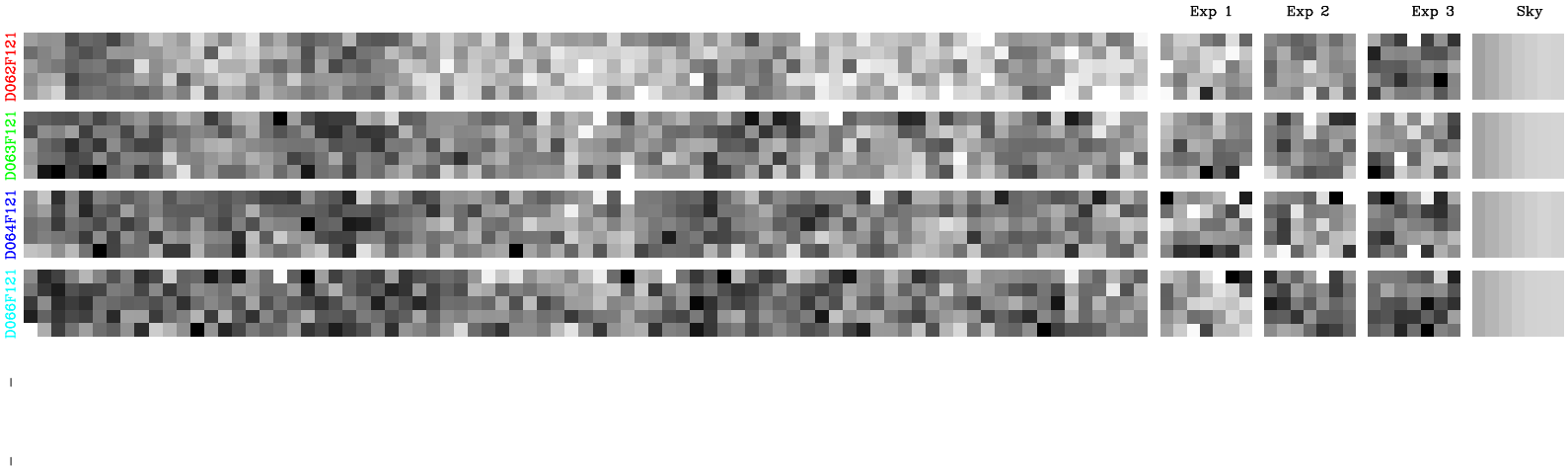
$FWHM_{obs}$ = 16.42Å

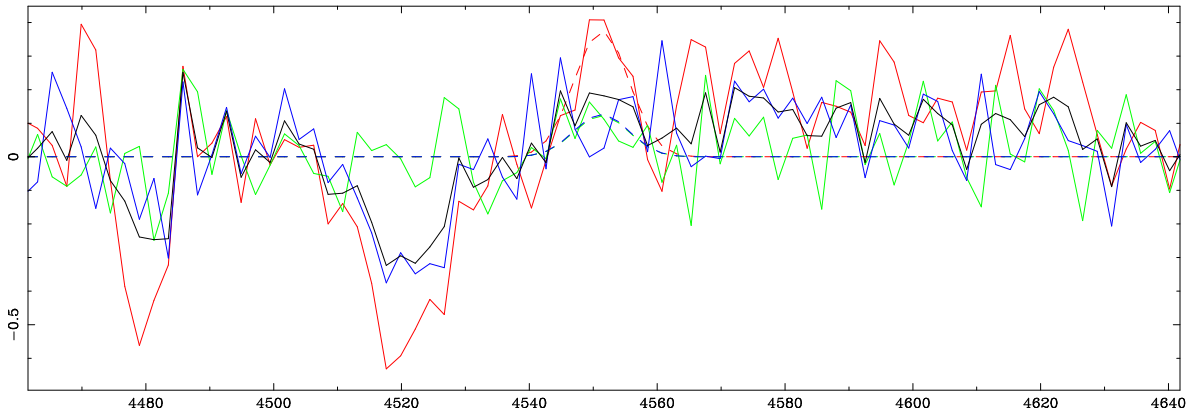
λ_{obs} = 4405.90Å

EW_{obs} = 5.21Å

α_{2000} = 189.2024°

δ_{2000} = 62.2408°





$S/N = 5.17$

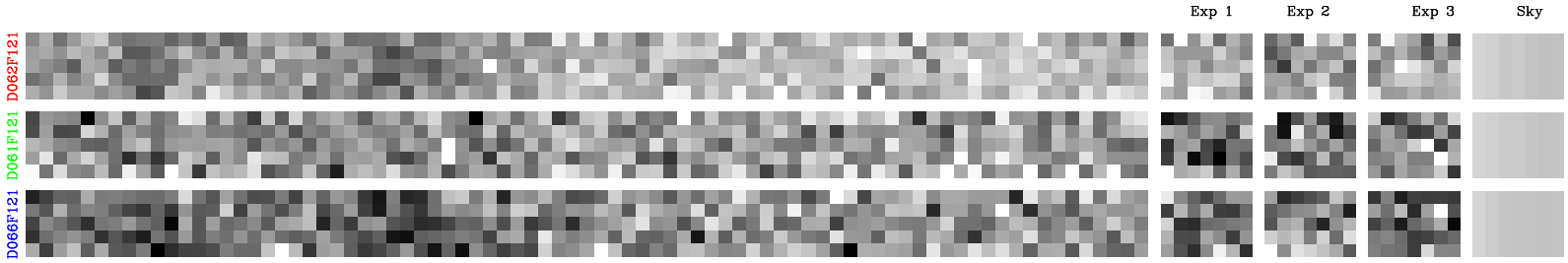
$FWHM_{obs} = 10.07Å$

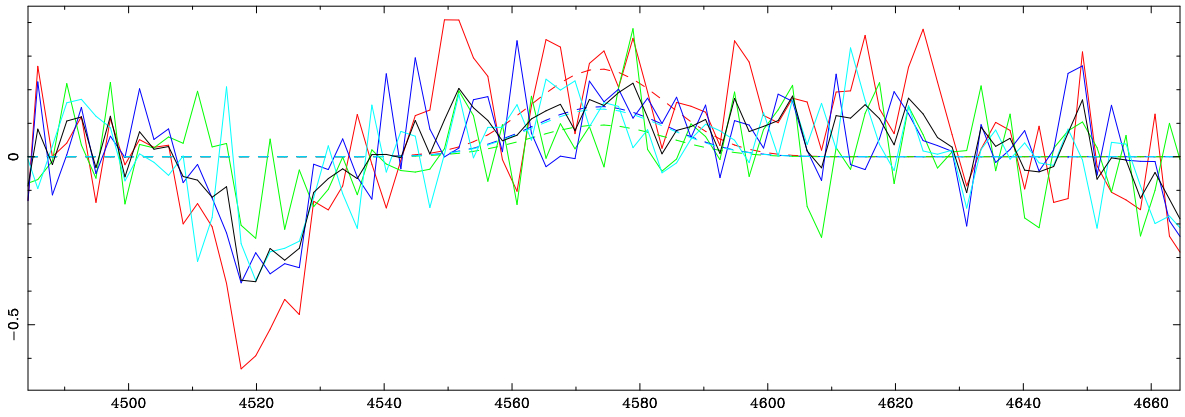
$\lambda_{obs} = 4551.30Å$

$EW_{obs} = 2.44Å$

$\alpha_{2000} = 189.2011°$

$\delta_{2000} = 62.2408°$





$S/N = 7.94$

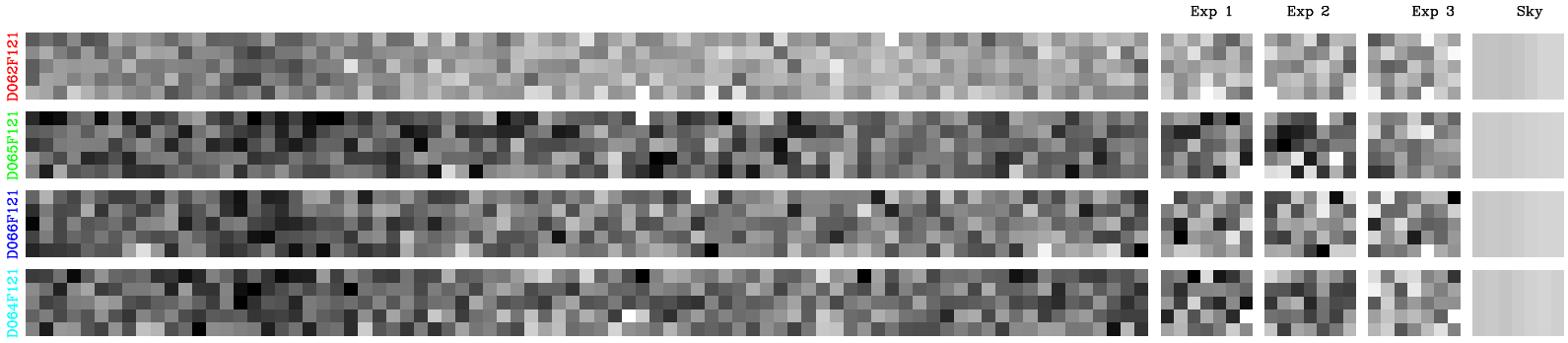
$FWHM_{obs} = 24.79Å$

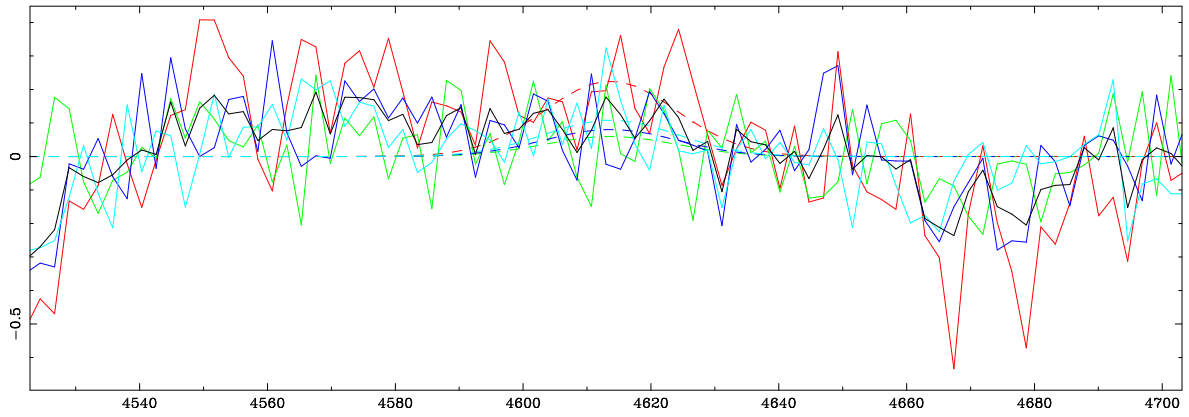
$\lambda_{obs} = 4573.72Å$

$EW_{obs} = 5.01Å$

$\alpha_{2000} = 189.2020°$

$\delta_{2000} = 62.2410°$





$S/N = 6.19$

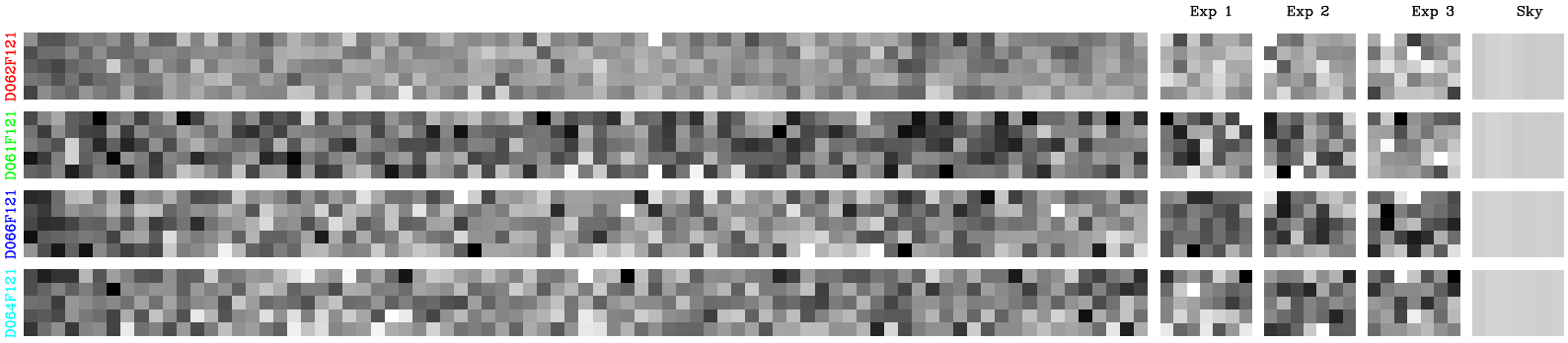
$FWHM_{obs} = 24.40Å$

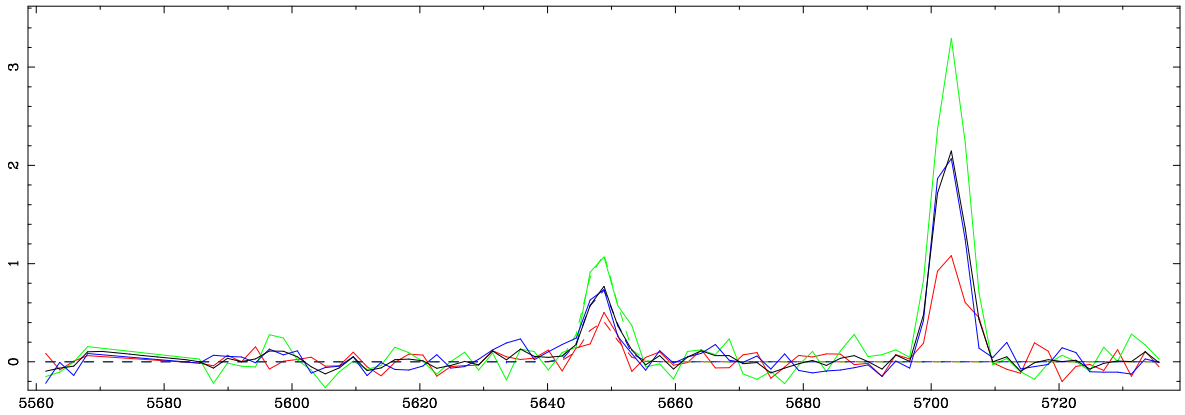
$\lambda_{obs} = 4613.69Å$

$EW_{obs} = 3.98Å$

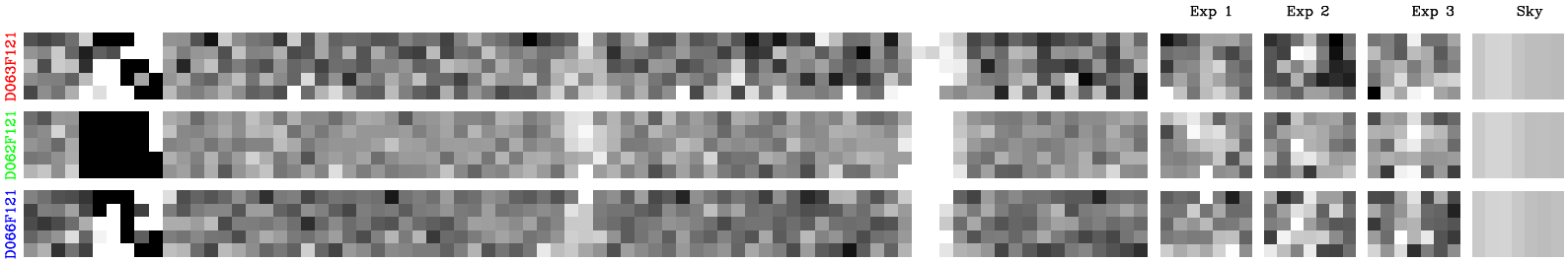
$\alpha_{2000} = 189.2018°$

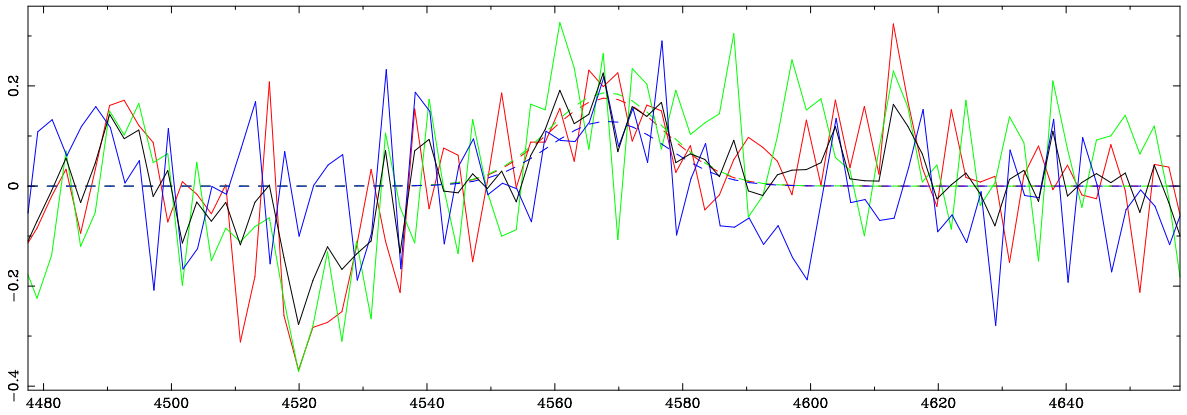
$\delta_{2000} = 62.2409°$





S/N = 12.97
$FWHM_{obs}$ = 5.46Å
λ_{obs} = 5648.33Å
EW_{obs} = 3.56Å
α_{2000} = 189.2017°
δ_{2000} = 62.2408°





S/N = 6.09

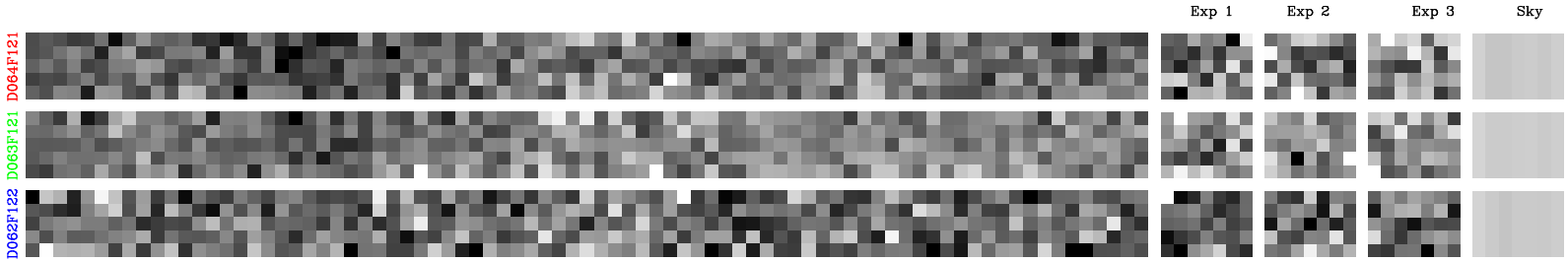
$FWHM_{obs}$ = 21.53Å

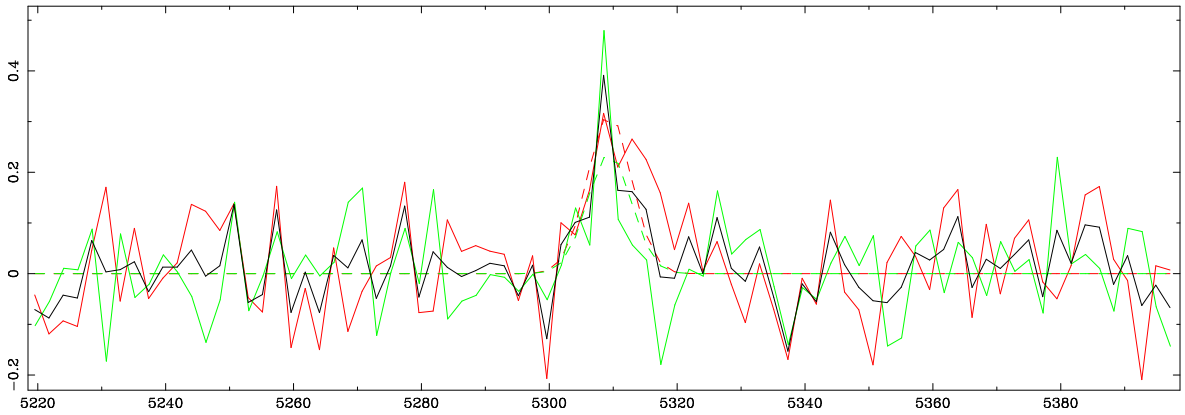
λ_{obs} = 4568.19Å

EW_{obs} = 6.98Å

α_{2000} = 189.2041°

δ_{2000} = 62.2408°





$S/N = 6.21$

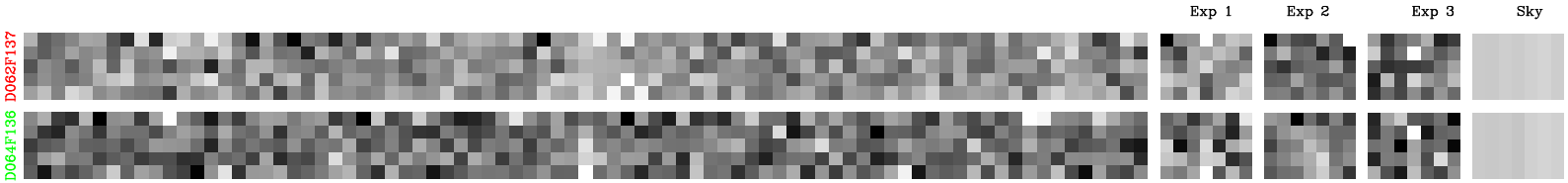
$FWHM_{obs} = 8.09$Å

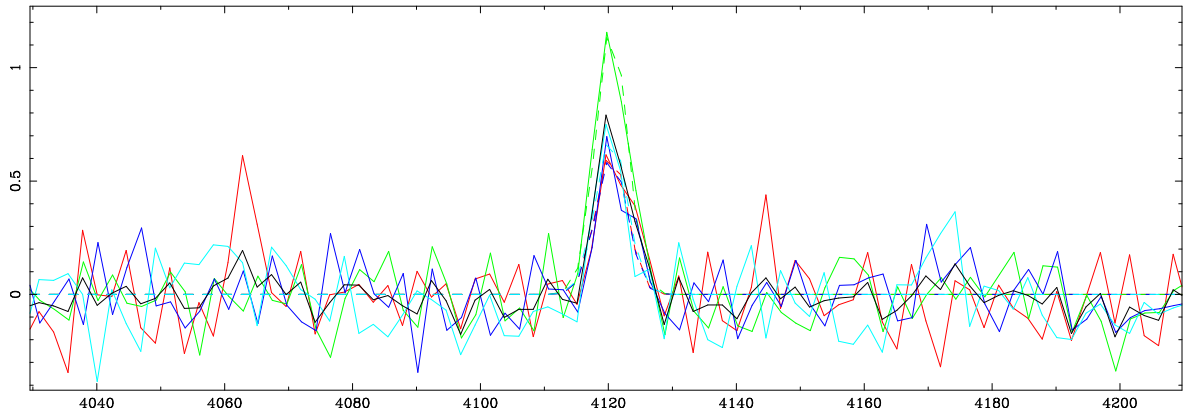
$\lambda_{obs} = 5309.40$Å

$EW_{obs} > 72.63$Å

$\alpha_{2000} = 189.2069°$

$\delta_{2000} = 62.2393°$





S/N = 12.95

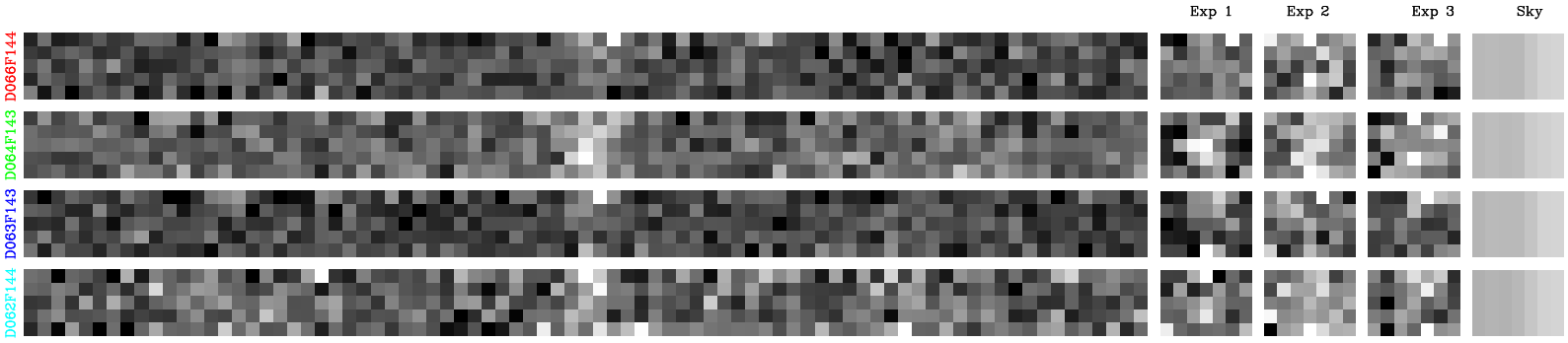
$FWHM_{obs}$ = 5.75Å

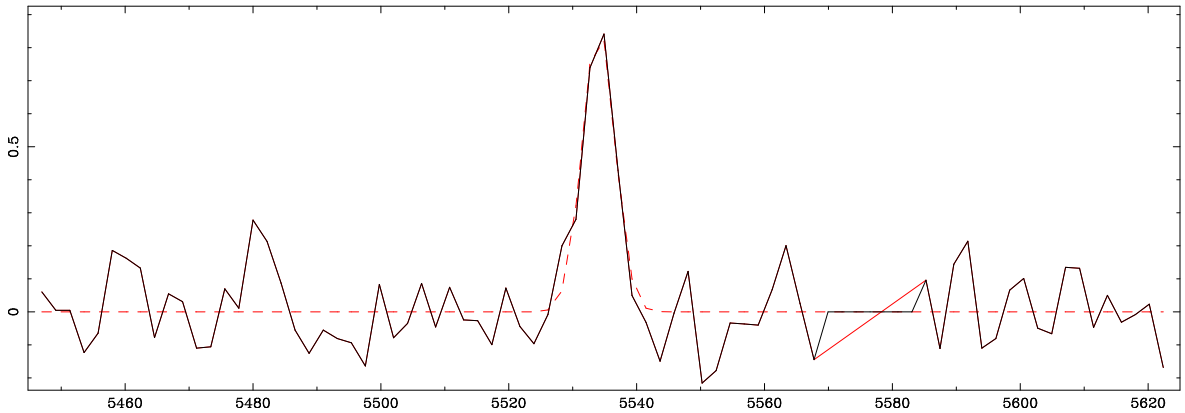
λ_{obs} = 4120.47Å

EW_{obs} = 36.22Å

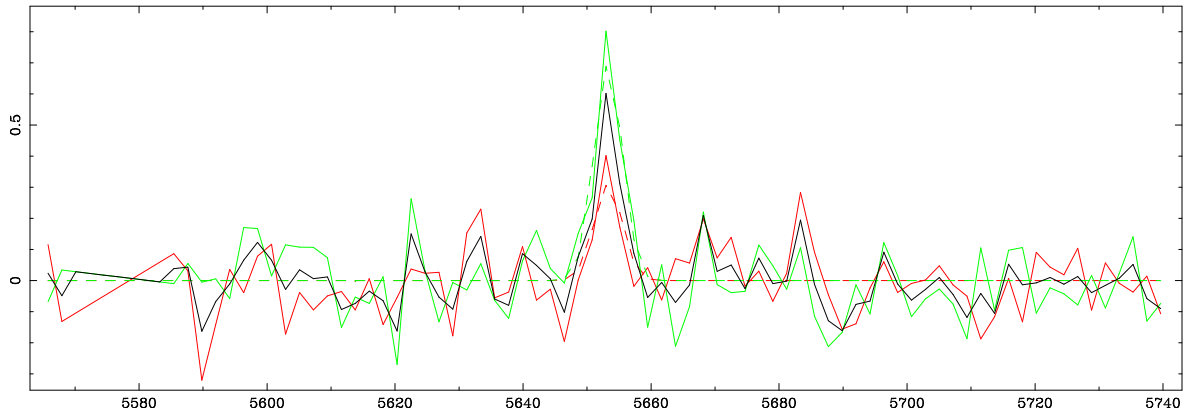
α_{2000} = 189.2367°

δ_{2000} = 62.2389°





S/N = 11.46
$FWHM_{obs}$ = 5.91Å
λ_{obs} = 5534.05Å
EW_{obs} = 15.91Å
α_{2000} = 189.2361°
δ_{2000} = 62.2391°



S/N = 7.22

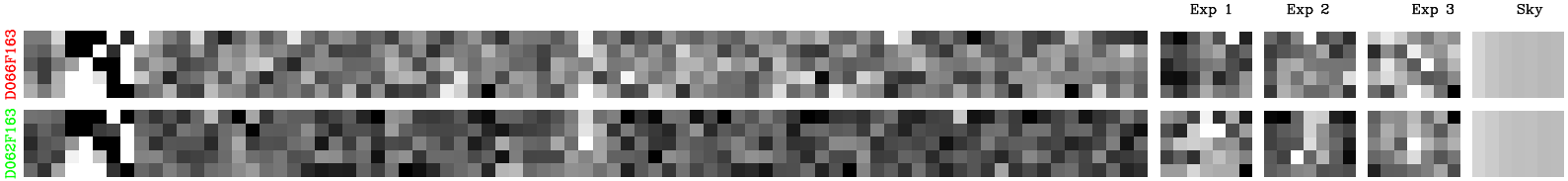
$FWHM_{obs}$ = 5.20Å

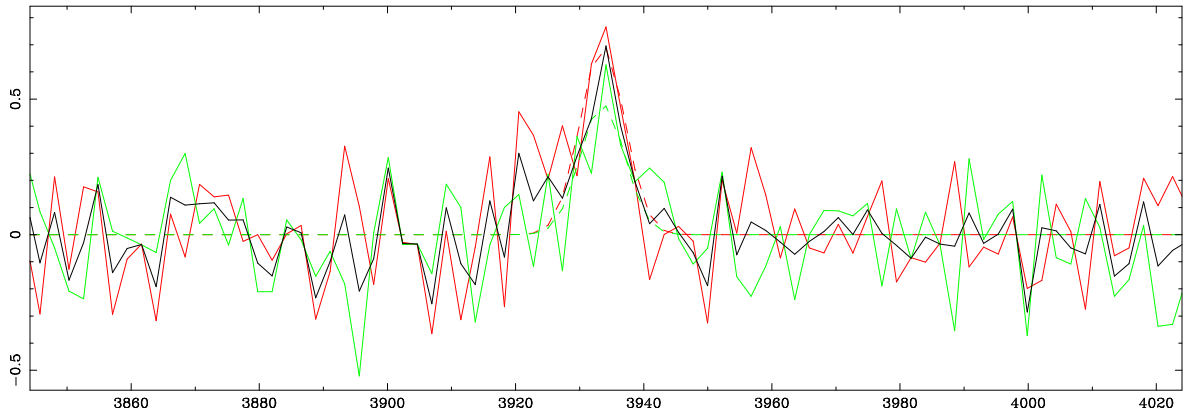
λ_{obs} = 5653.28Å

EW_{obs} > 66.35Å

α_{2000} = 189.1948°

δ_{2000} = 62.2357°





$S/N = 7.30$

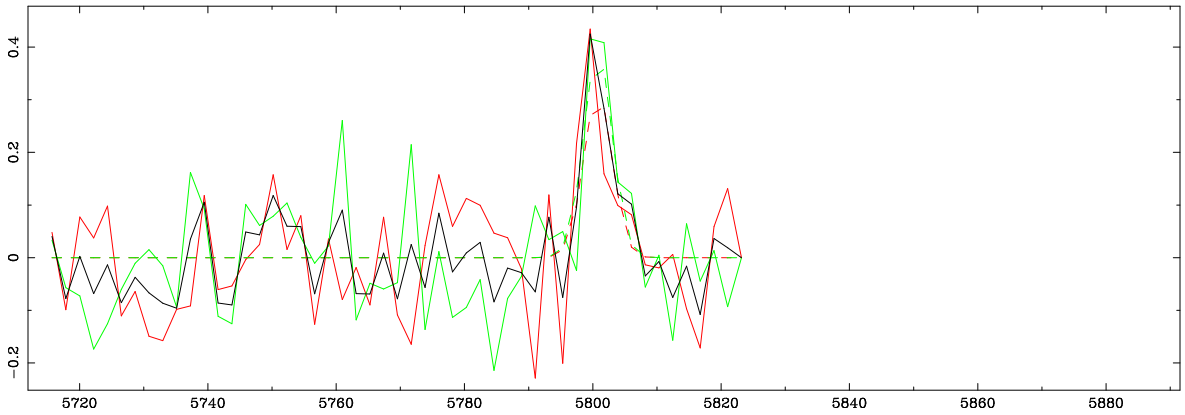
$FWHM_{obs} = 8.18$Å

$\lambda_{obs} = 3933.56$Å

$EW_{obs} > 73.95$Å

$\alpha_{2000} = 189.2098°$

$\delta_{2000} = 62.2339°$



$S/N = 5.25$

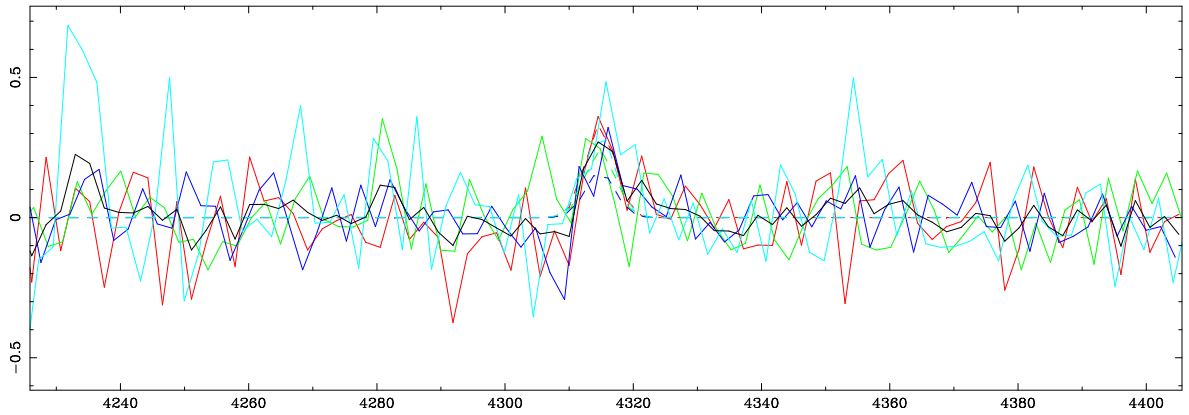
$FWHM_{obs} = 5.24$Å

$\lambda_{obs} = 5800.80$Å

$EW_{obs} = 16.59$Å

$\alpha_{2000} = 189.2163°$

$\delta_{2000} = 62.2320°$



S/N = 5.05

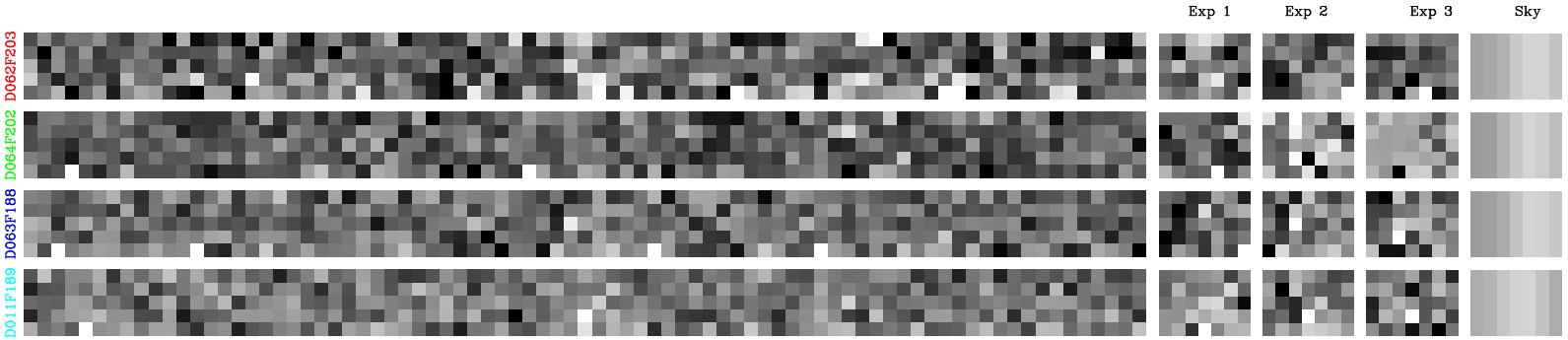
$FWHM_{obs}$ = 5.39Å

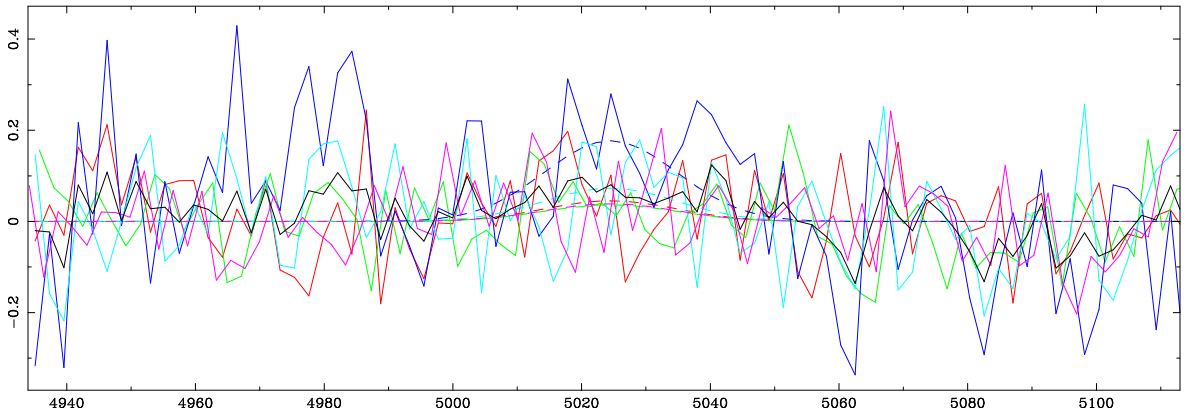
λ_{obs} = 4314.81Å

EW_{obs} > 52.44Å

α_{2000} = 189.2418°

δ_{2000} = 62.2327°





S/N = 5.68

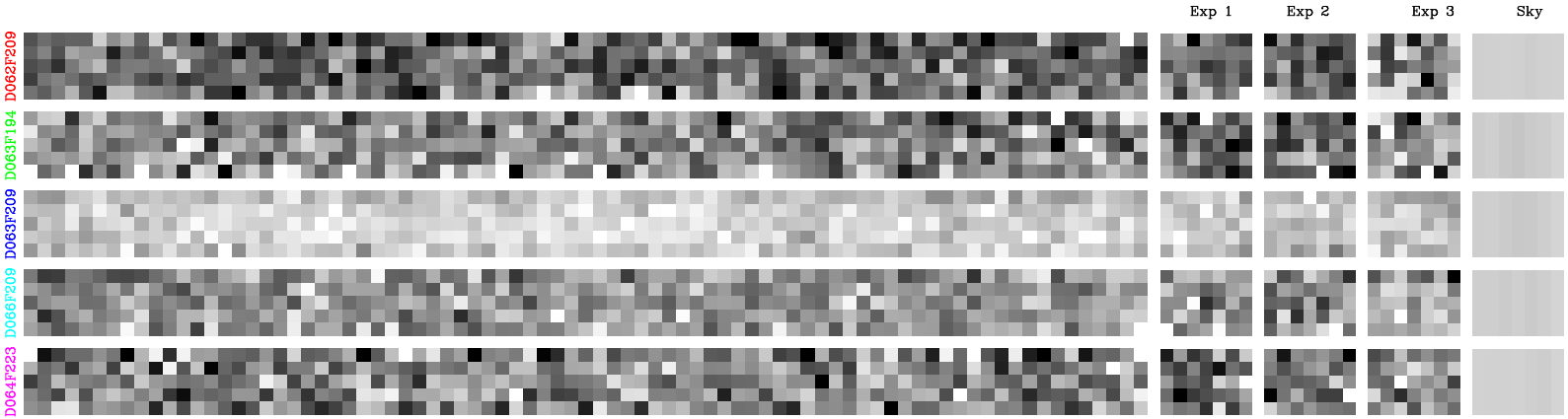
$FWHM_{obs}$ = 24.35Å

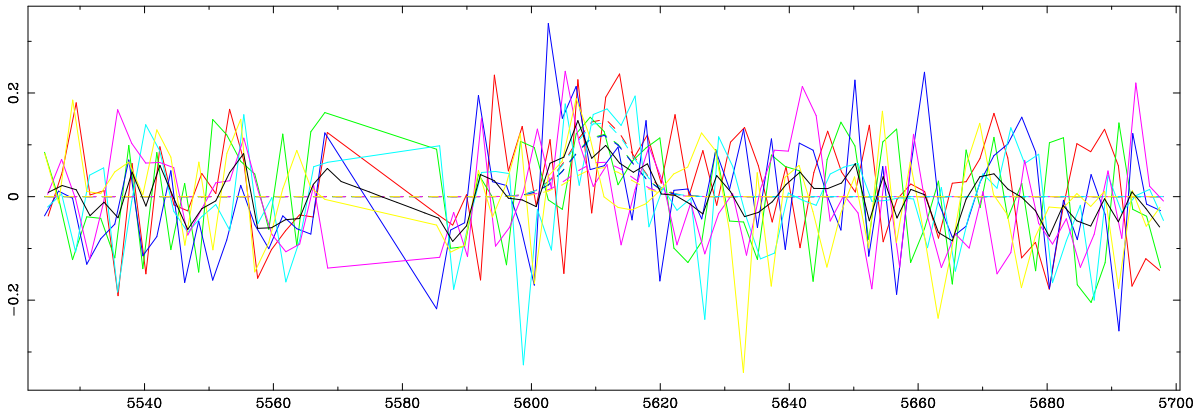
λ_{obs} = 5024.50Å

EW_{obs} = 3.18Å

α_{2000} = 189.2064°

δ_{2000} = 62.2302°





$S/N = 5.13$

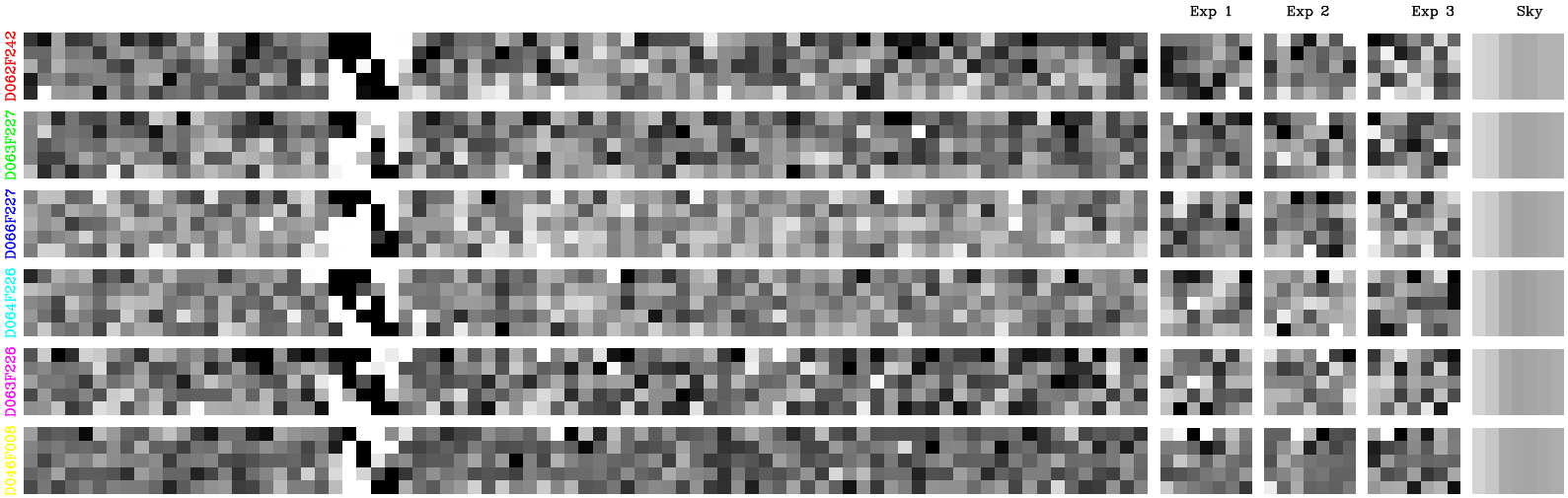
$FWHM_{obs} = 10.50Å$

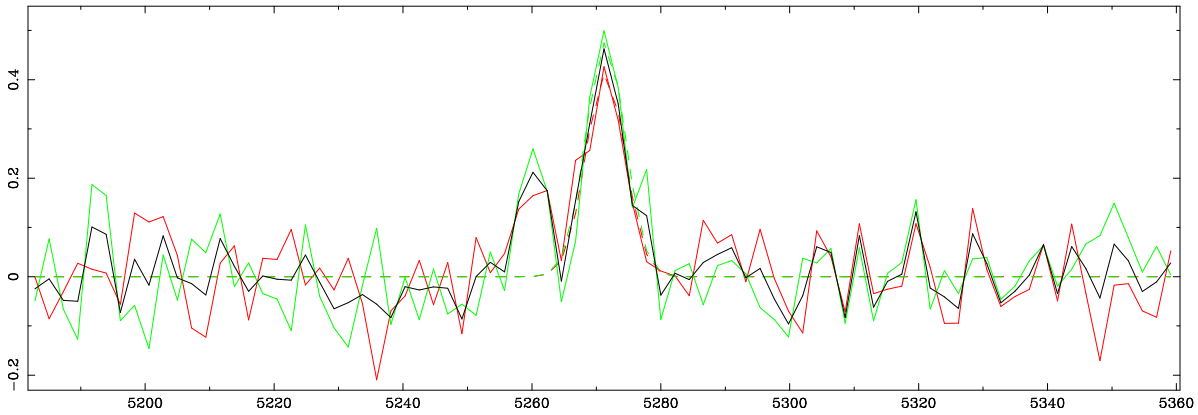
$\lambda_{obs} = 5610.77Å$

$EW_{obs} > 62.00Å$

$\alpha_{2000} = 189.2203°$

$\delta_{2000} = 62.2280°$





S/N = 9.95

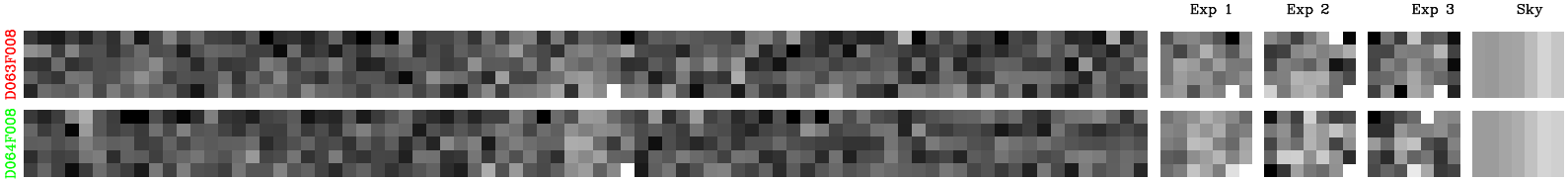
$FWHM_{obs}$ = 7.15Å

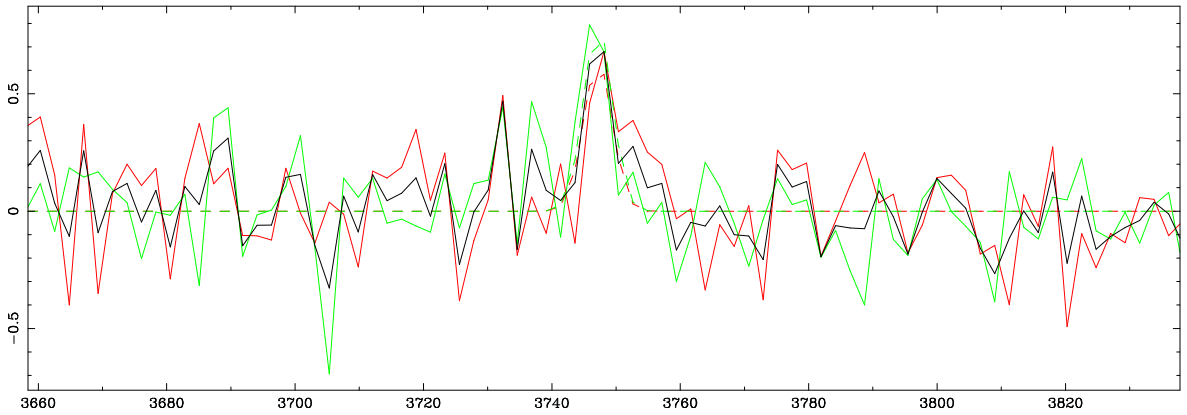
λ_{obs} = 5271.42Å

EW_{obs} > 100.86Å

α_{2000} = 189.2169°

δ_{2000} = 62.2546°





$S/N = 5.06$

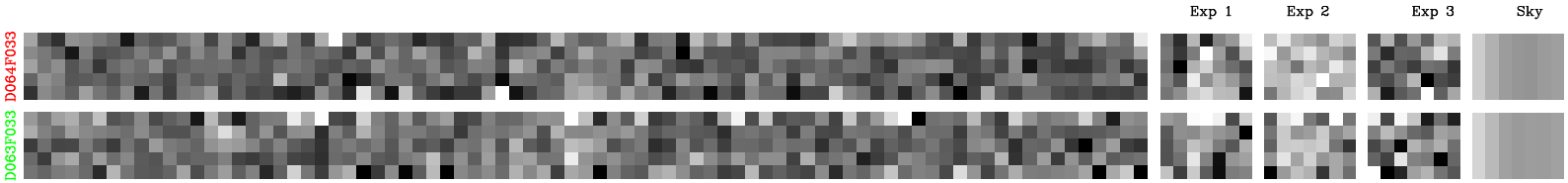
$FWHM_{obs} = 5.22Å$

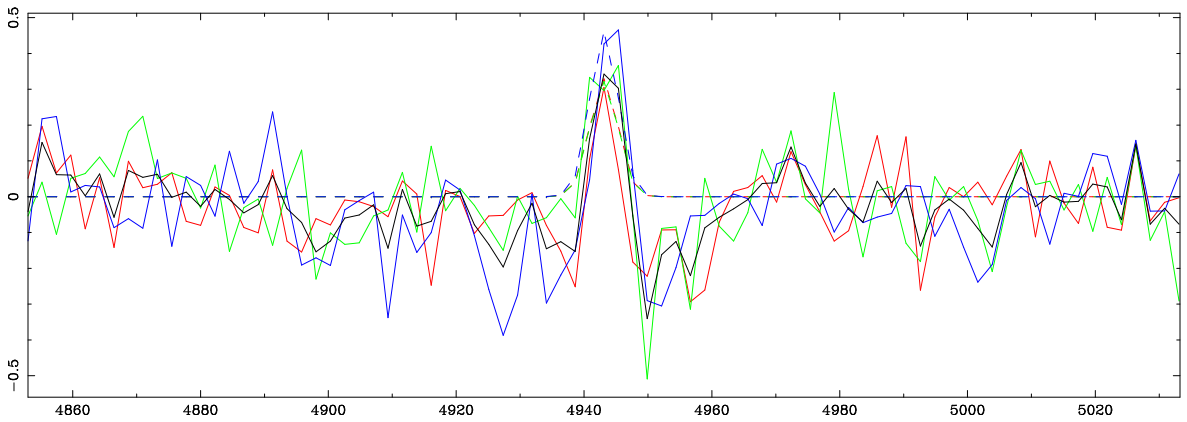
$\lambda_{obs} = 3747.17Å$

$EW_{obs} > 49.73Å$

$\alpha_{2000} = 189.1995°$

$\delta_{2000} = 62.2512°$





$S/N = 6.92$

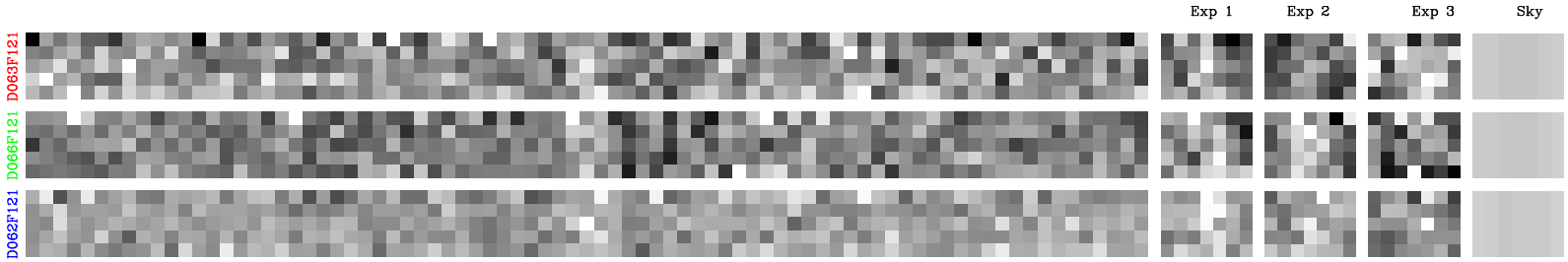
$FWHM_{obs} = 5.20$Å

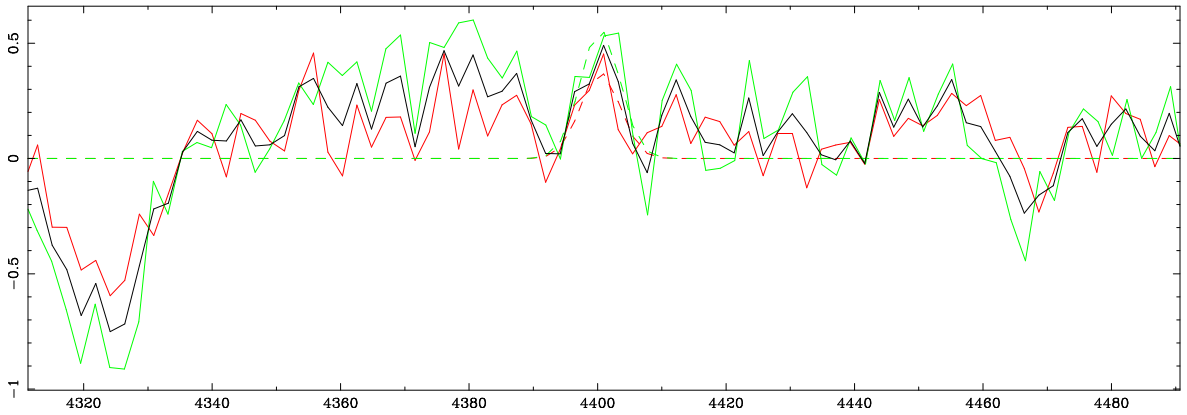
$\lambda_{obs} = 4943.13$Å

$EW_{obs} = 1.48$Å

$\alpha_{2000} = 189.2020°$

$\delta_{2000} = 62.2408°$





S/N = 6.58

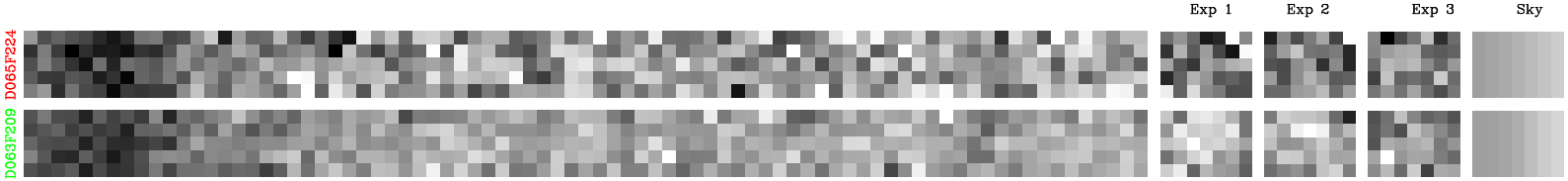
$FWHM_{obs}$ = 7.25Å

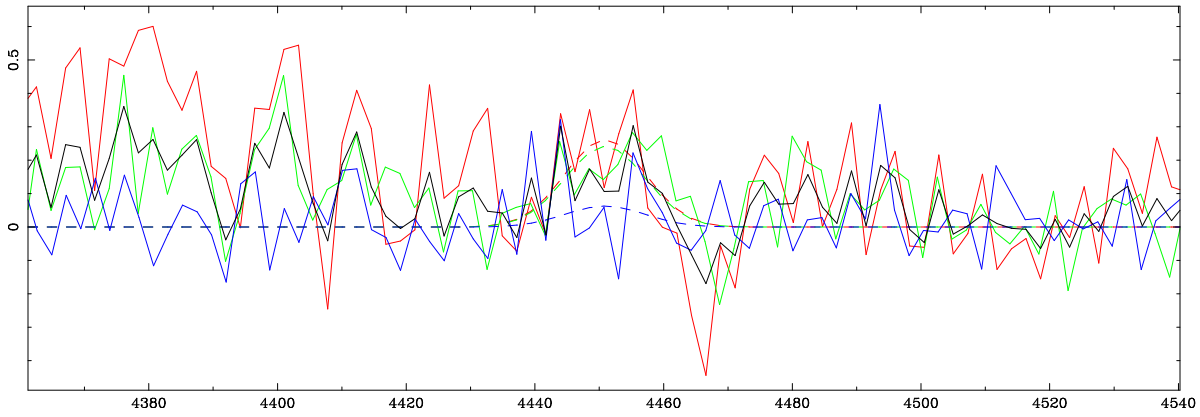
λ_{obs} = 4400.41Å

EW_{obs} = 2.48Å

α_{2000} = 189.2076°

δ_{2000} = 62.2298°





S/N = 5.35

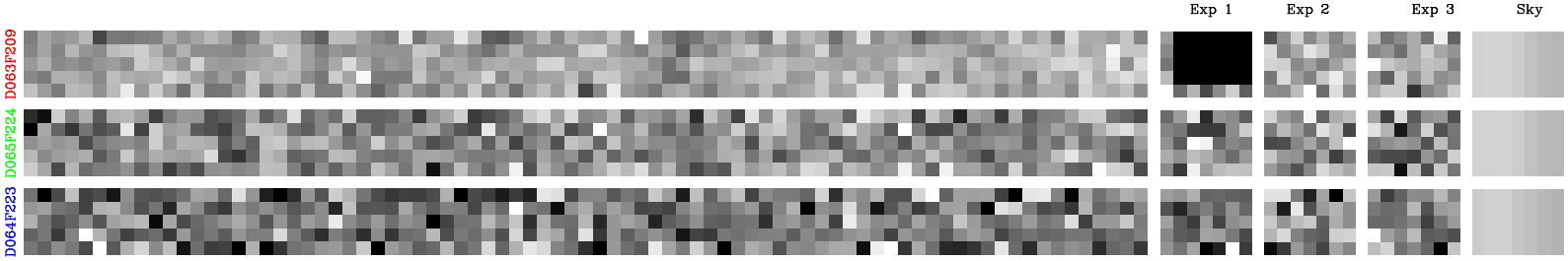
$FWHM_{obs}$ = 14.72Å

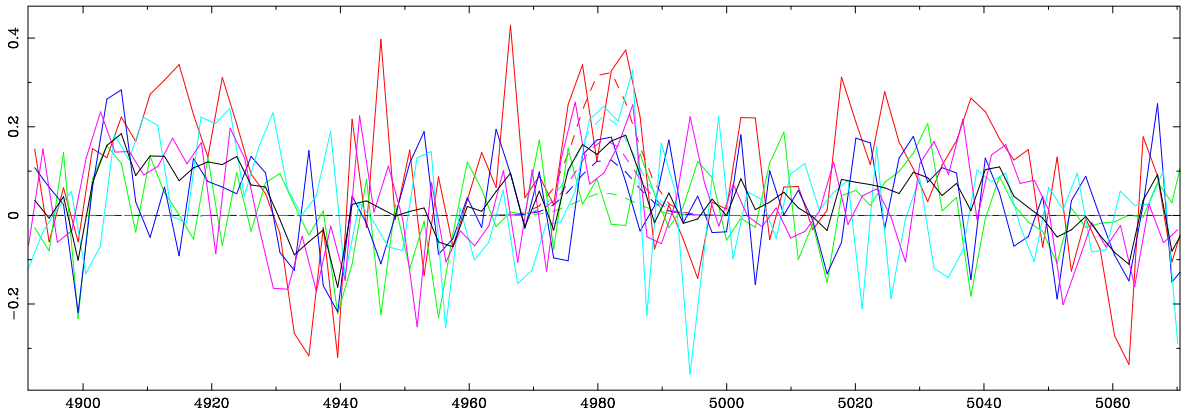
λ_{obs} = 4450.92Å

EW_{obs} = 3.08Å

α_{2000} = 189.2074°

δ_{2000} = 62.2297°





S/N = 5.57

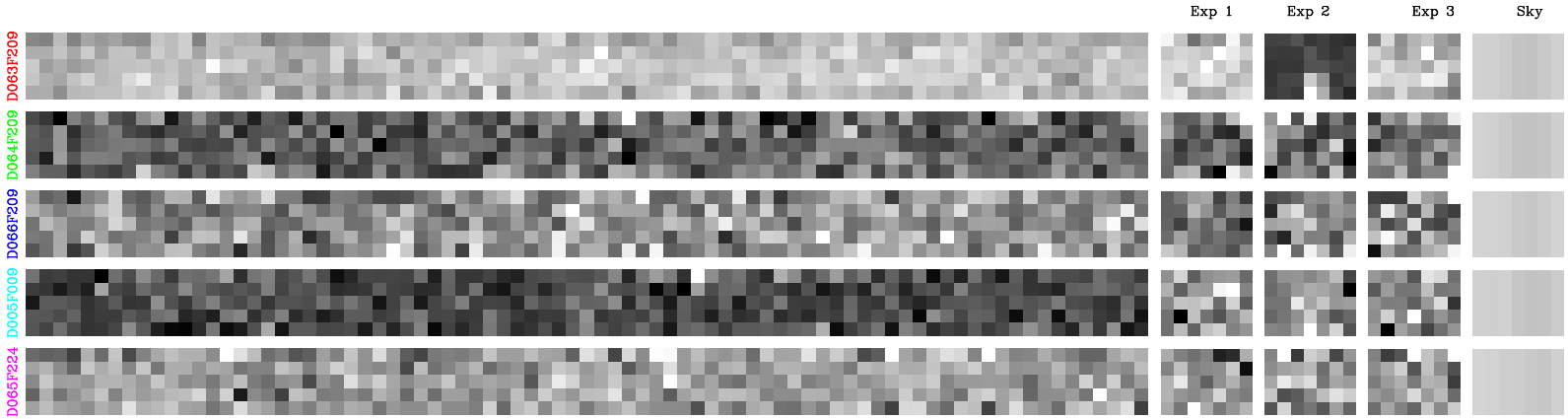
$FWHM_{obs}$ = 10.33Å

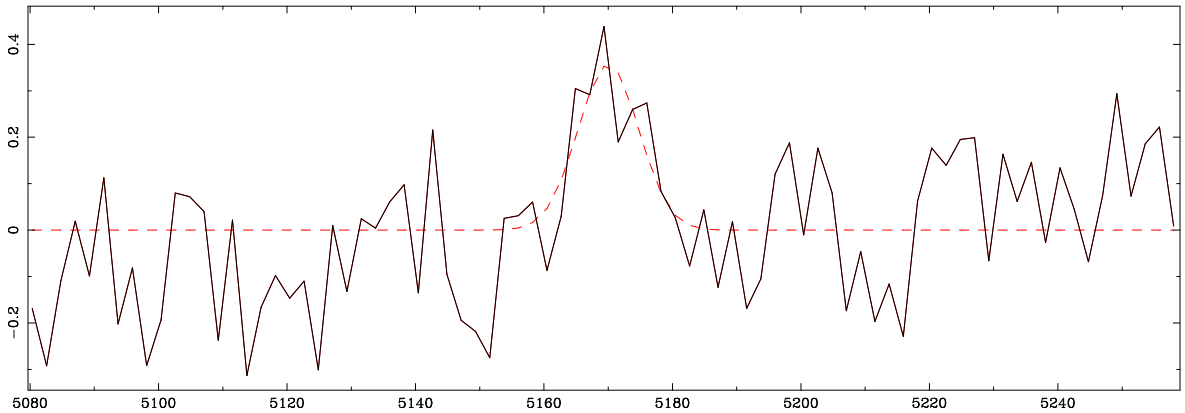
λ_{obs} = 4981.16Å

EW_{obs} = 1.70Å

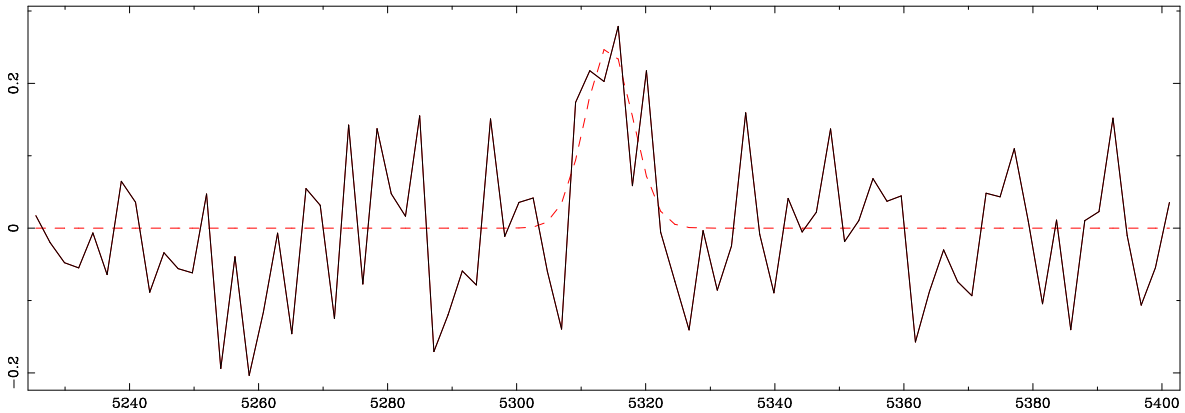
α_{2000} = 189.2074°

δ_{2000} = 62.2298°





S/N = 5.47
$FWHM_{obs}$ = 11.16Å
λ_{obs} = 5170.03Å
EW_{obs} = 1.51Å
α_{2000} = 189.2073°
δ_{2000} = 62.2301°



S/N = 5.08

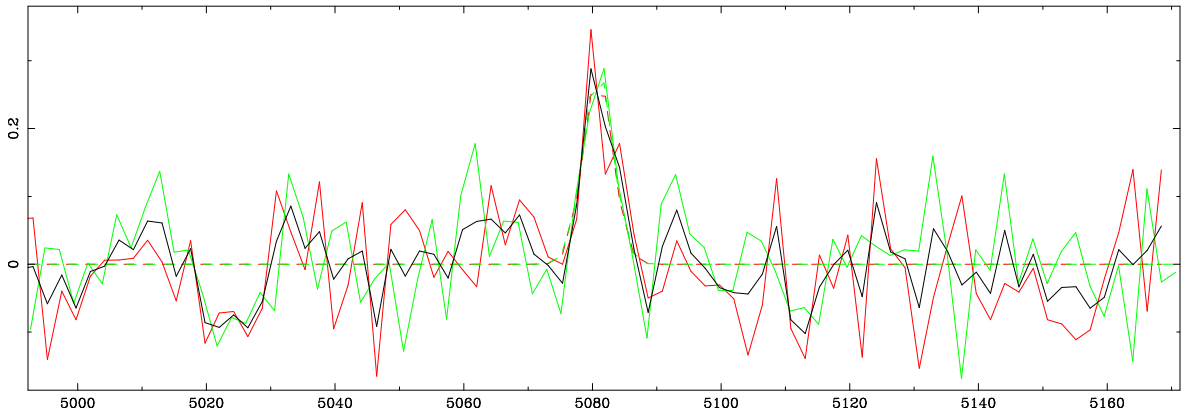
$FWHM_{obs}$ = 8.65Å

λ_{obs} = 5314.29Å

EW_{obs} > 56.15Å

α_{2000} = 189.1957°

δ_{2000} = 62.2550°



$S/N = 5.07$

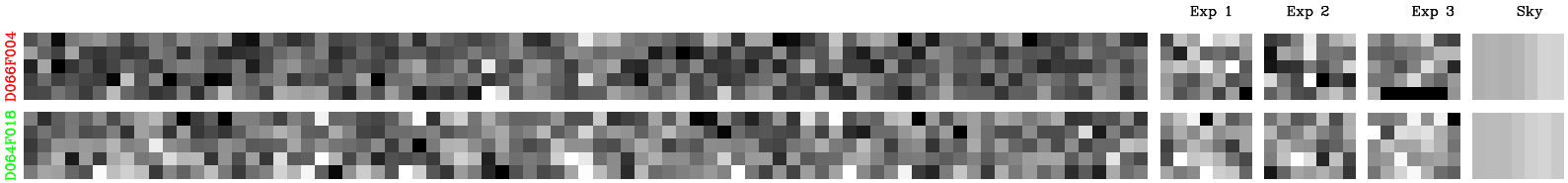
$FWHM_{obs} = 5.33Å$

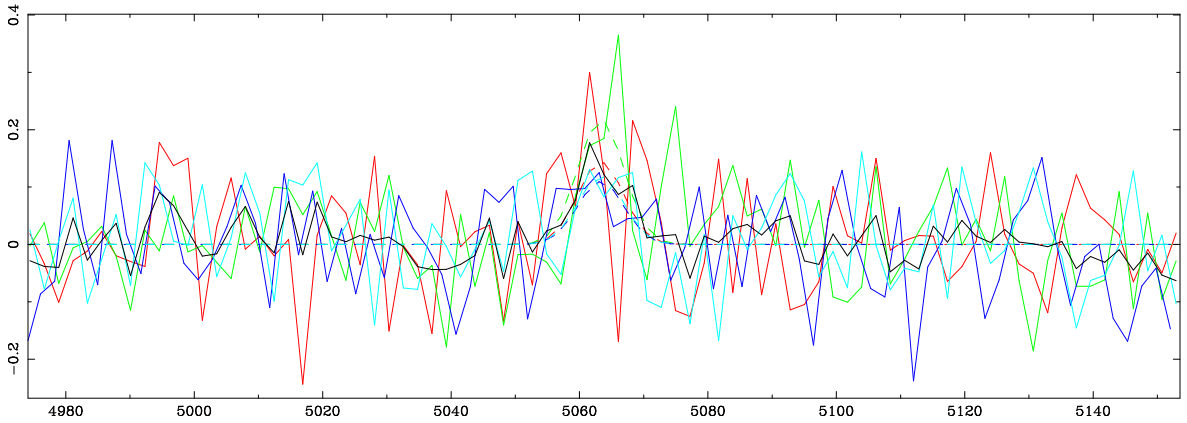
$\lambda_{obs} = 5080.87Å$

$EW_{obs} > 51.16Å$

$\alpha_{2000} = 189.1978°$

$\delta_{2000} = 62.2538°$





$S/N = 5.35$

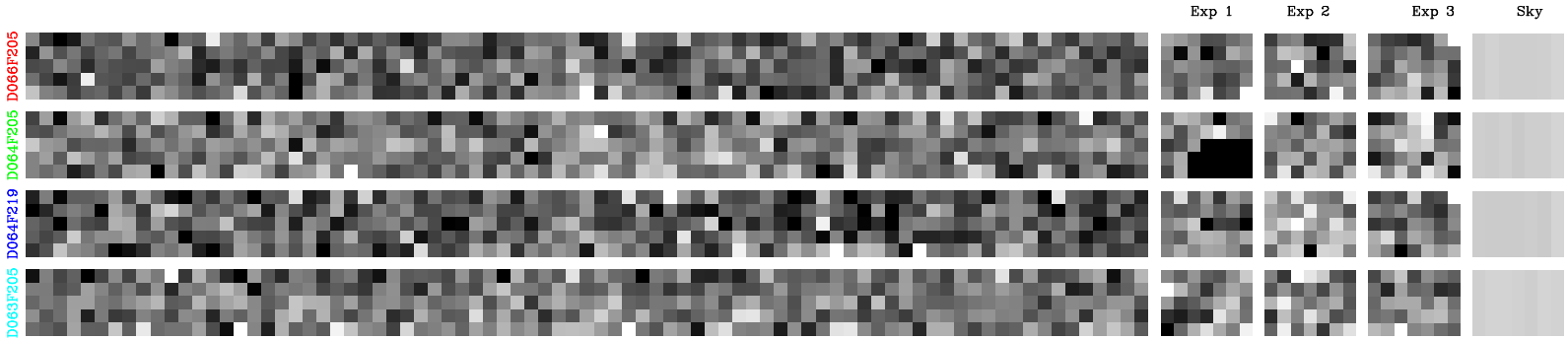
$FWHM_{obs} = 8.47Å$

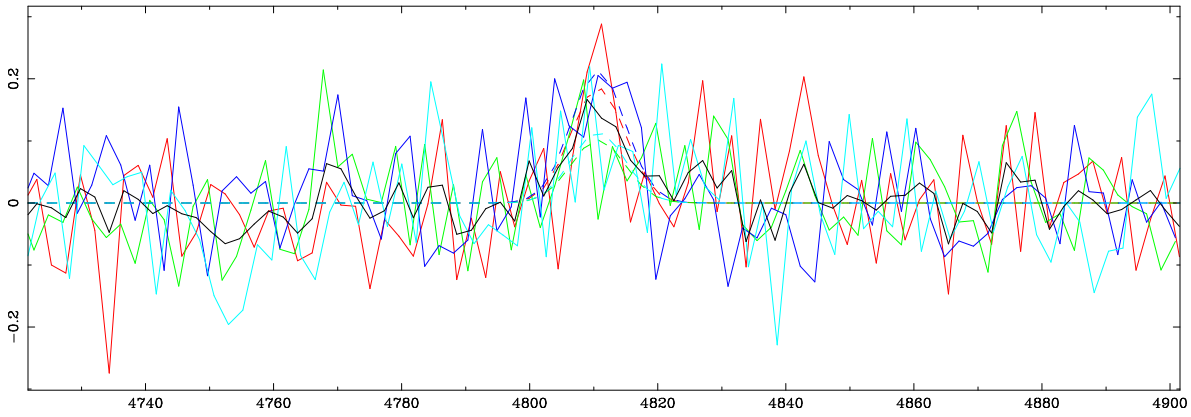
$\lambda_{obs} = 5063.31Å$

$EW_{obs} > 62.45Å$

$\alpha_{2000} = 189.1898°$

$\delta_{2000} = 62.2302°$





$S/N = 5.54$

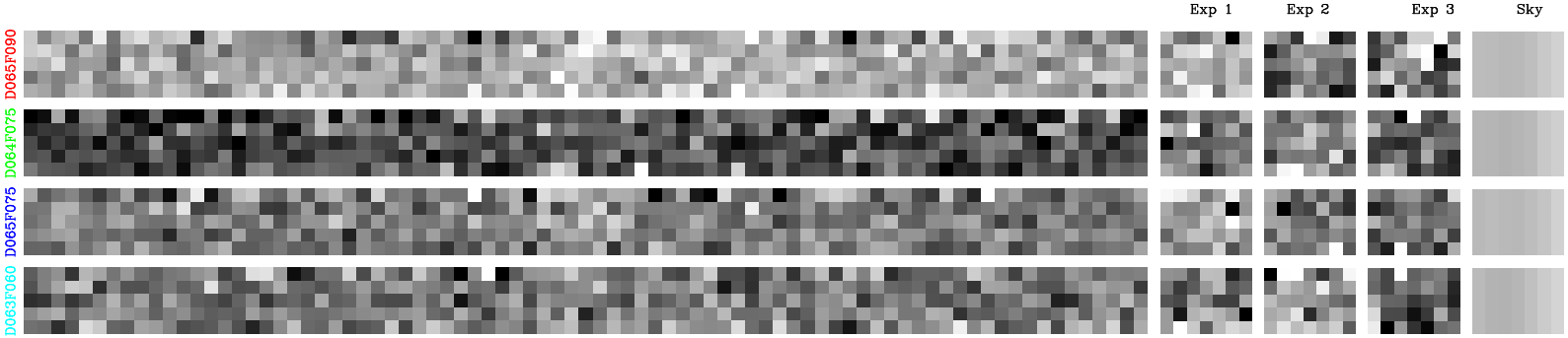
$FWHM_{obs} = 9.96$Å

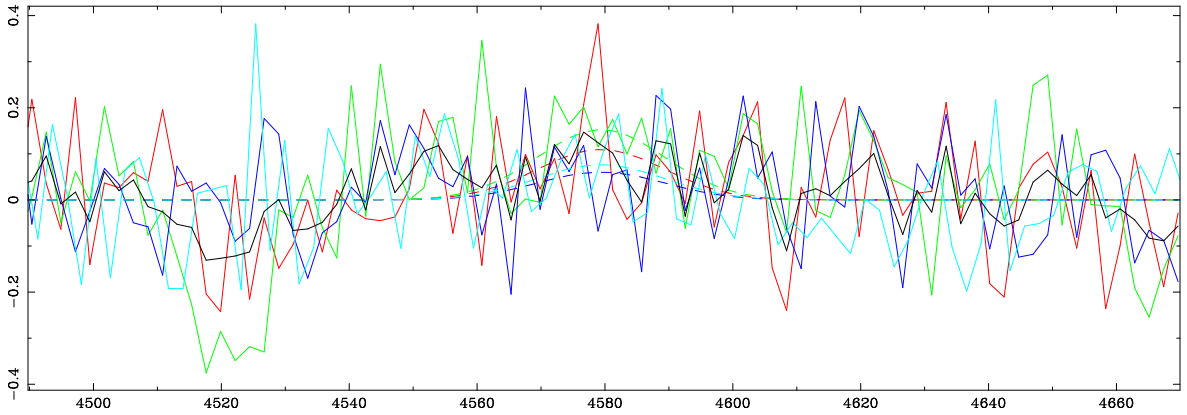
$\lambda_{obs} = 4810.68$Å

$EW_{obs} > 69.06$Å

$\alpha_{2000} = 189.1921°$

$\delta_{2000} = 62.2464°$





S/N = 5.12

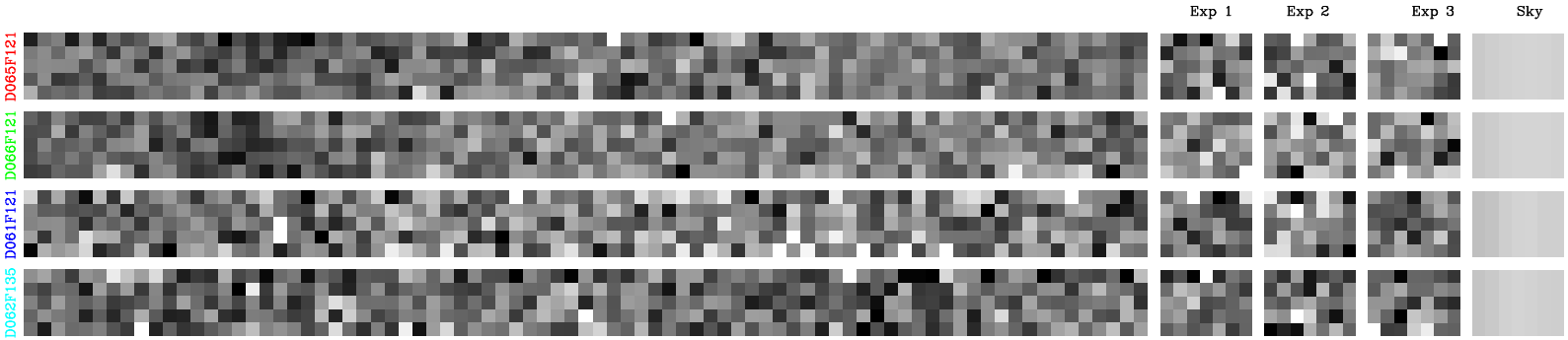
$FWHM_{obs}$ = 23.51Å

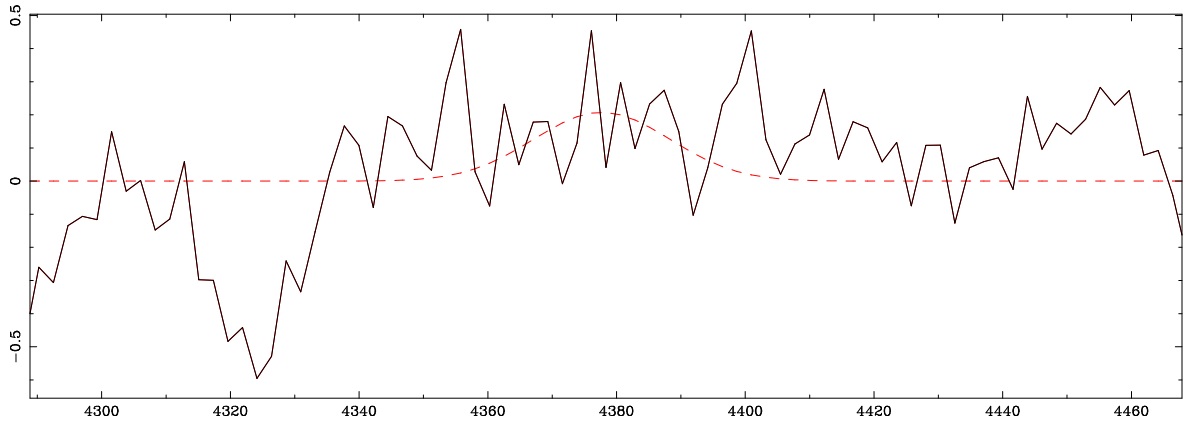
λ_{obs} = 4579.40Å

EW_{obs} = 7.61Å

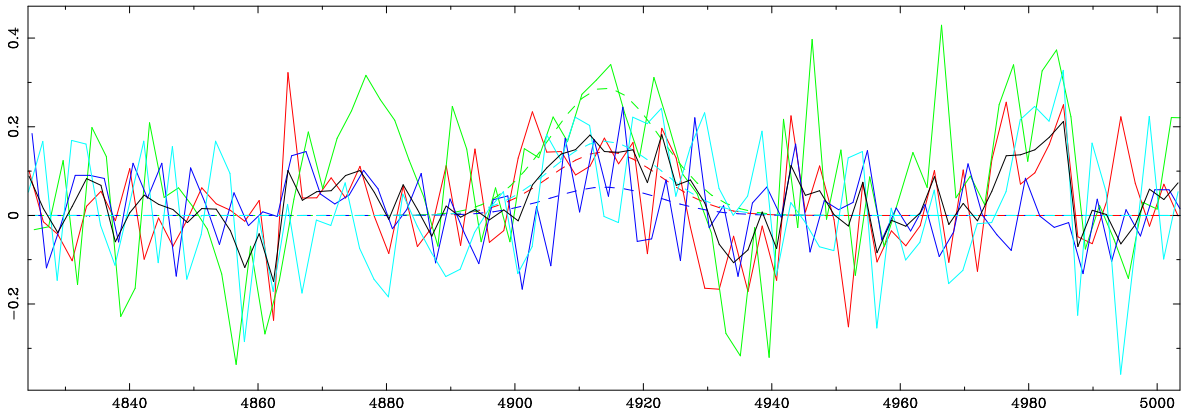
α_{2000} = 189.2010°

δ_{2000} = 62.2406°





S/N = 5.40
$FWHM_{obs}$ = 24.99Å
λ_{obs} = 4377.72Å
EW_{obs} = 8.65Å
α_{2000} = 189.2080°
δ_{2000} = 62.2295°



S/N = 5.99

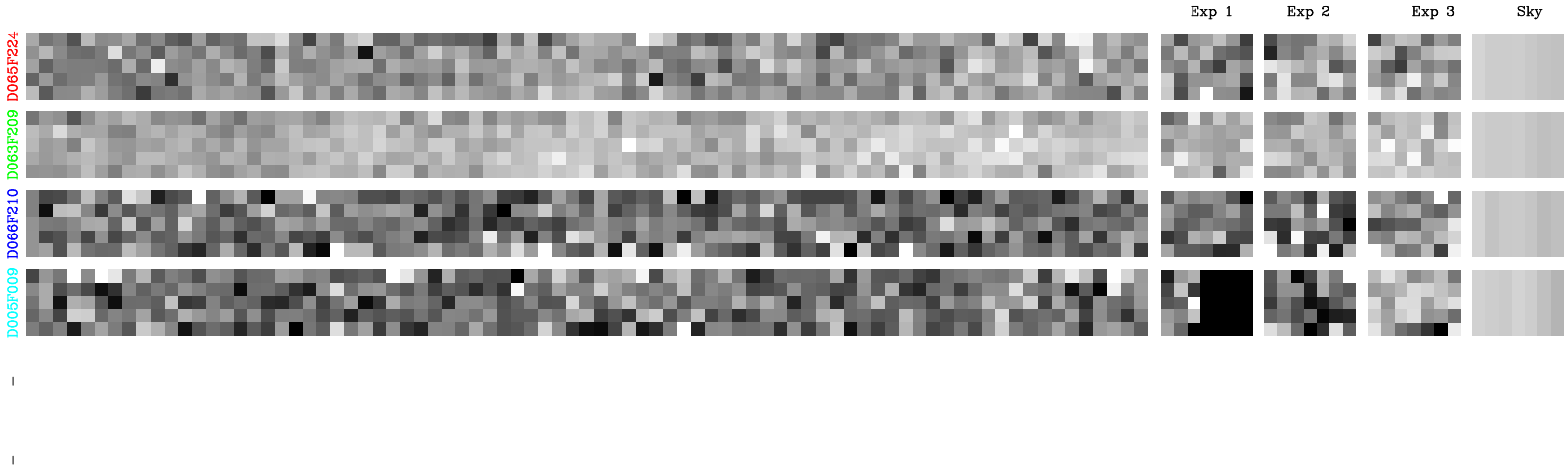
$FWHM_{obs}$ = 20.32Å

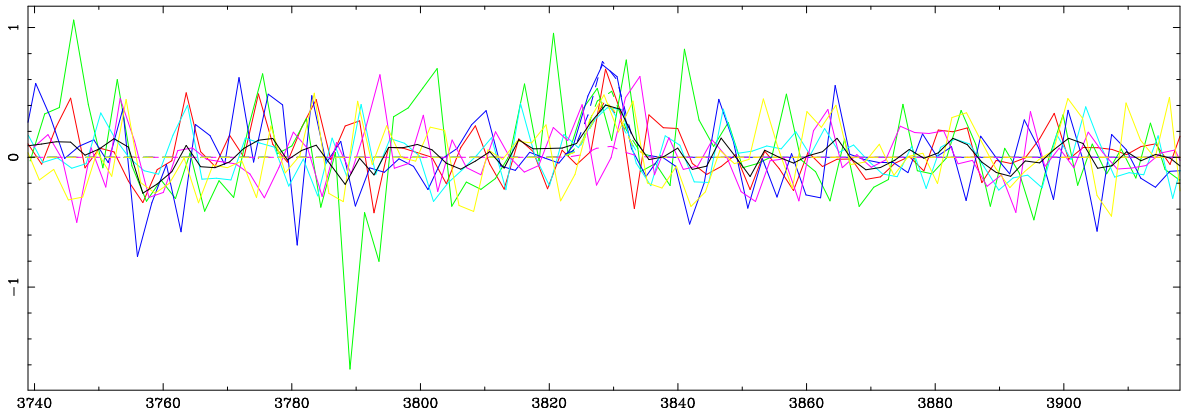
λ_{obs} = 4914.06Å

EW_{obs} = 3.05Å

α_{2000} = 189.2079°

δ_{2000} = 62.2297°





$S/N = 5.53$

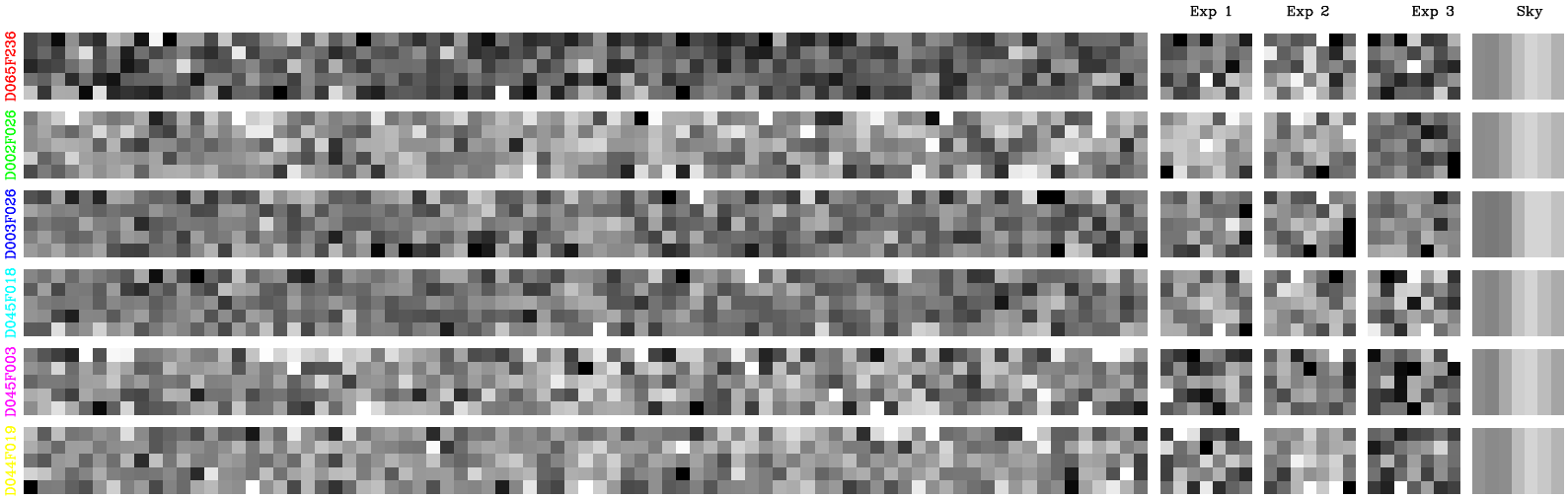
$FWHM_{obs} = 5.22$Å

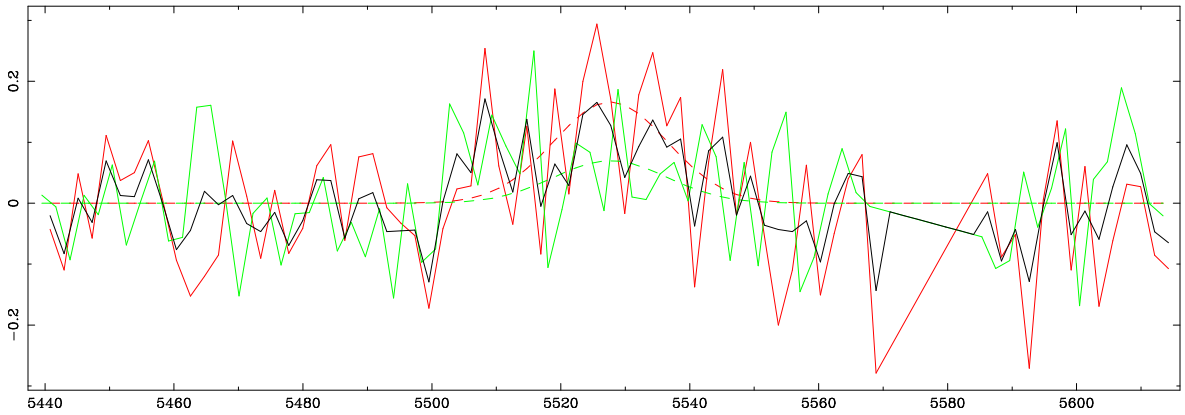
$\lambda_{obs} = 3828.94$Å

$EW_{obs} > 54.94$Å

$\alpha_{2000} = 189.1972°$

$\delta_{2000} = 62.2264°$





$S/N = 5.13$

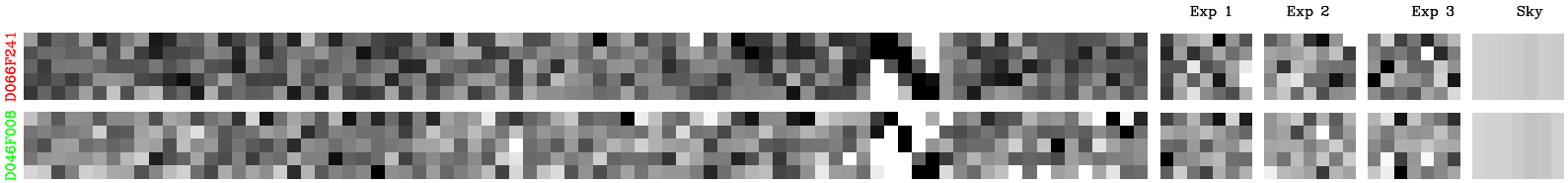
$FWHM_{obs} = 20.80Å$

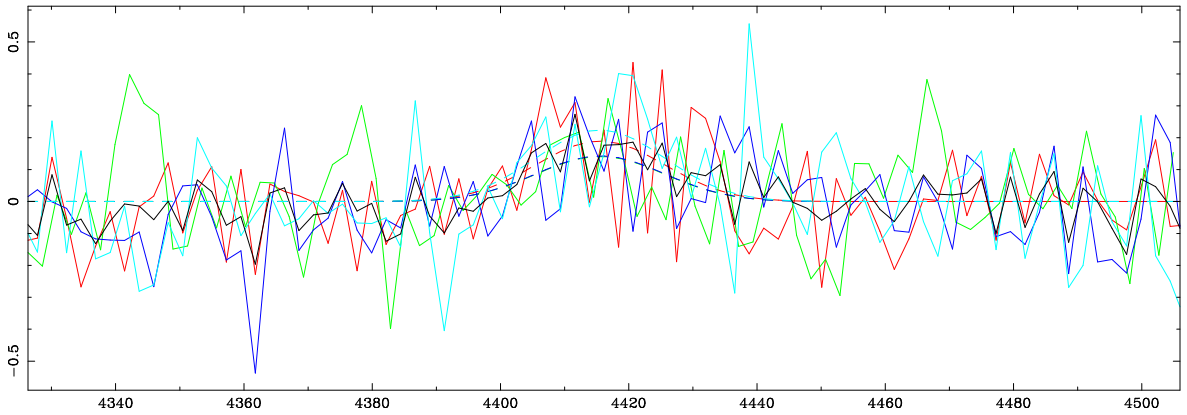
$\lambda_{obs} = 5527.69Å$

$EW_{obs} > 85.35Å$

$\alpha_{2000} = 189.2180°$

$\delta_{2000} = 62.2268°$





$S/N = 5.21$

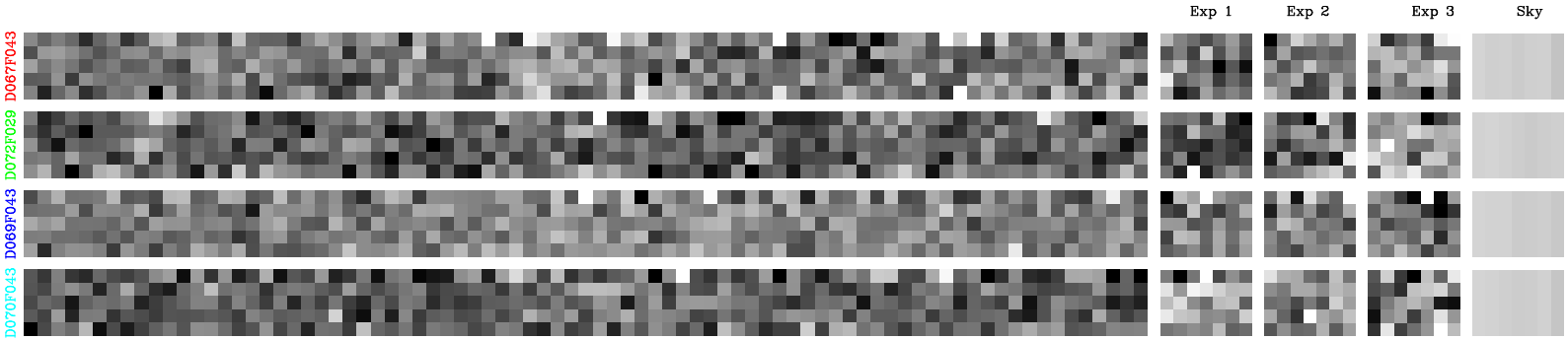
$FWHM_{obs} = 23.67Å$

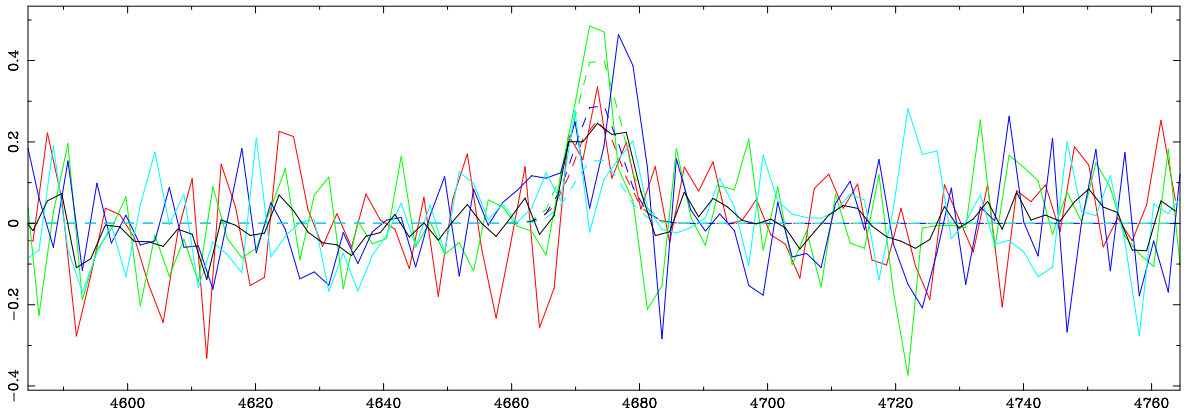
$\lambda_{obs} = 4415.58Å$

$EW_{obs} = 18.71Å$

$\alpha_{2000} = 189.2414°$

$\delta_{2000} = 62.1942°$





S/N = 7.11

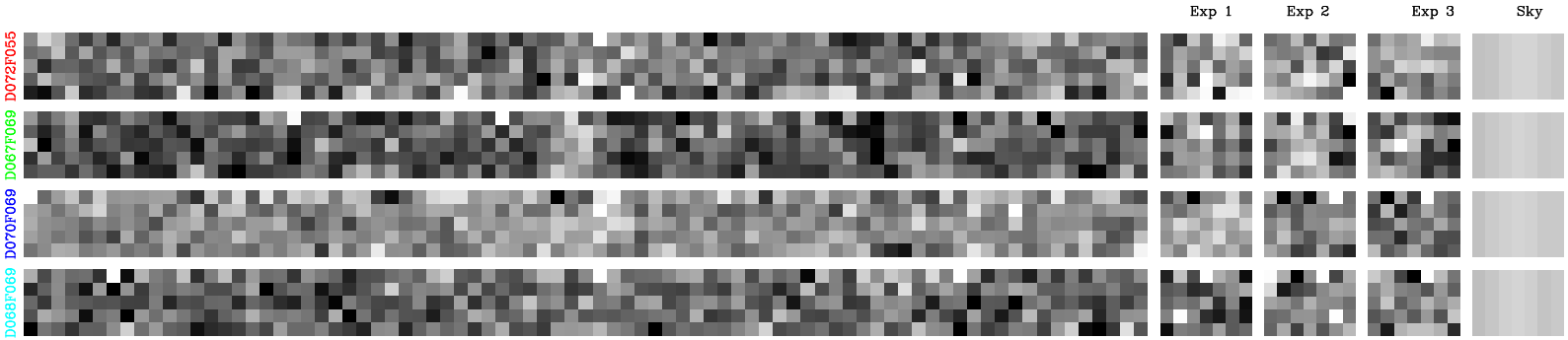
$FWHM_{obs}$ = 8.39Å

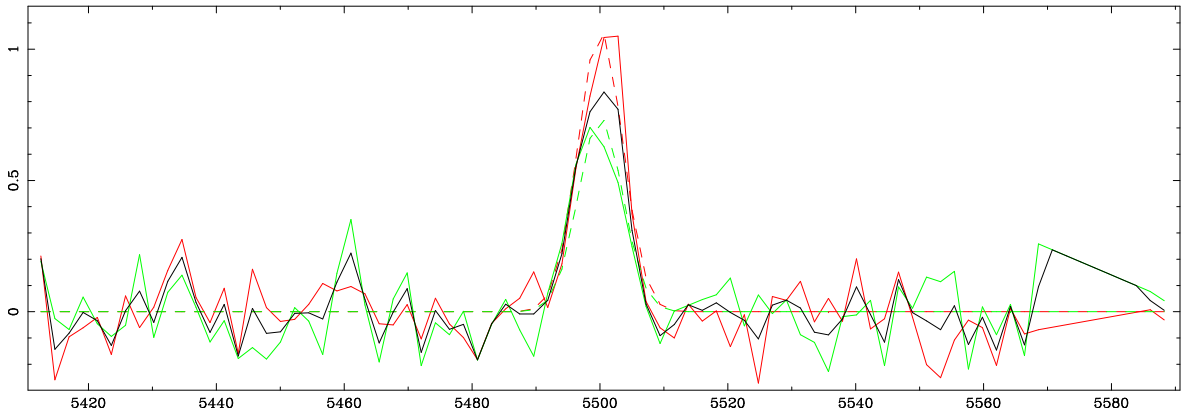
λ_{obs} = 4673.39Å

EW_{obs} = 33.76Å

α_{2000} = 189.2281°

δ_{2000} = 62.1910°





S/N = 15.72

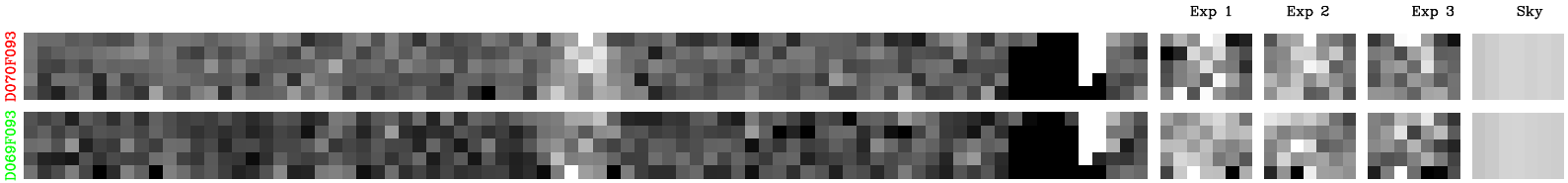
$FWHM_{obs}$ = 8.17Å

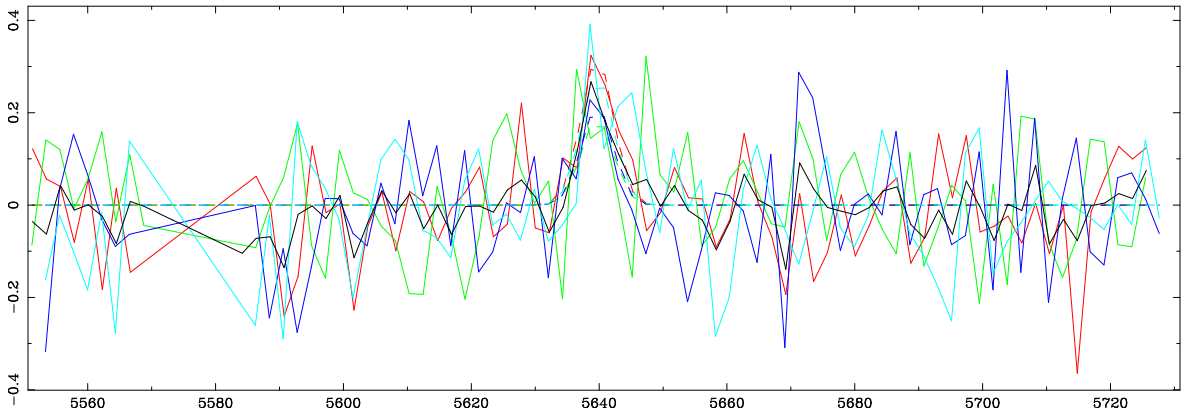
λ_{obs} = 5500.08Å

EW_{obs} = 100.97Å

α_{2000} = 189.2069°

δ_{2000} = 62.1870°





S/N = 5.52

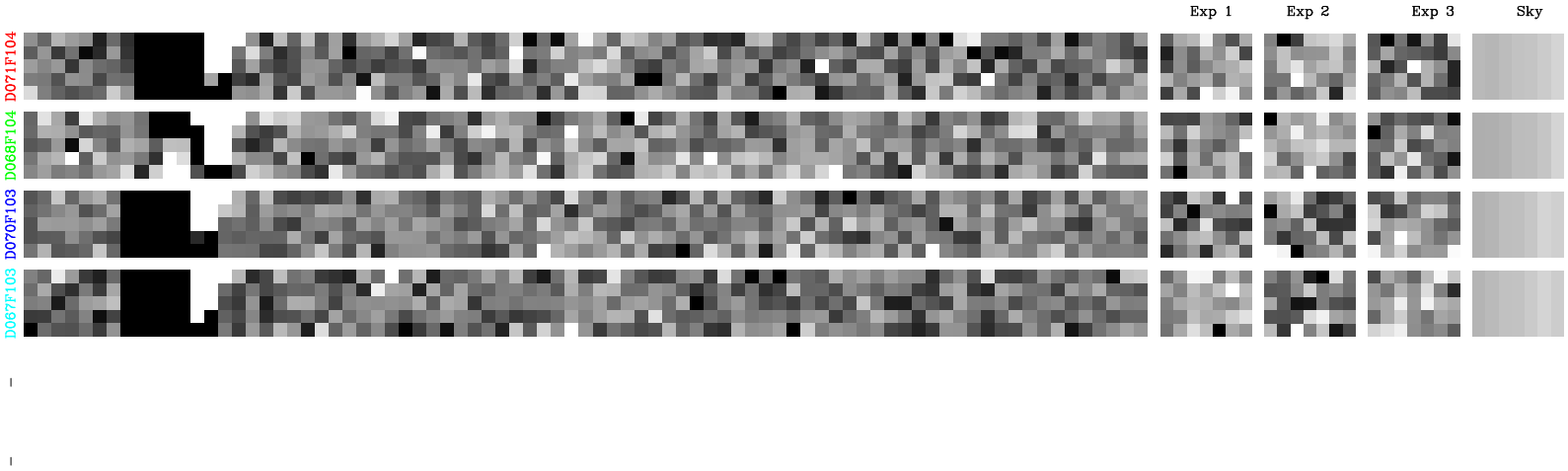
$FWHM_{obs}$ = 6.01Å

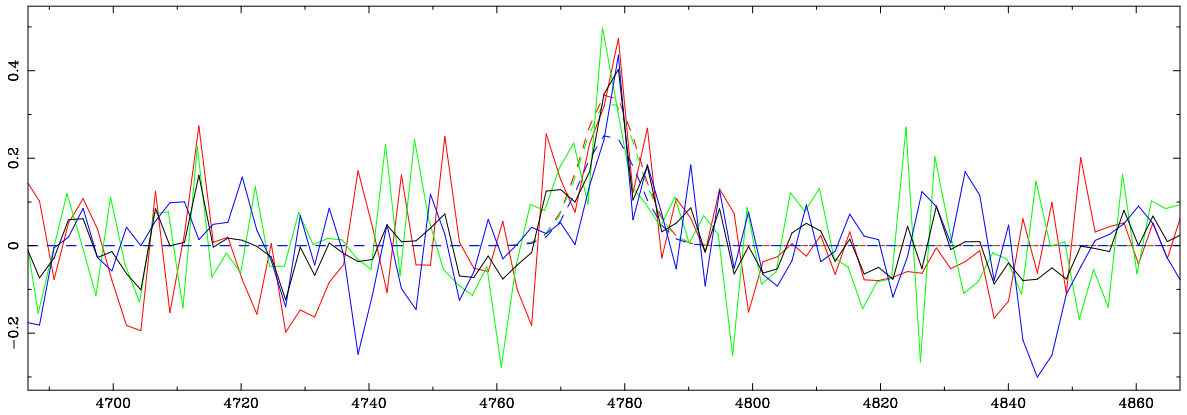
λ_{obs} = 5639.70Å

EW_{obs} > 46.50Å

α_{2000} = 189.1887°

δ_{2000} = 62.1859°





$S/N = 8.29$

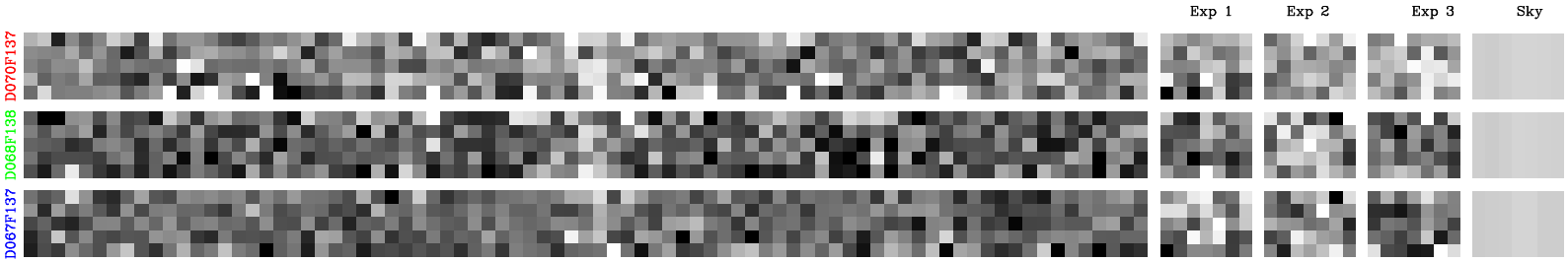
$FWHM_{obs} = 10.40$Å

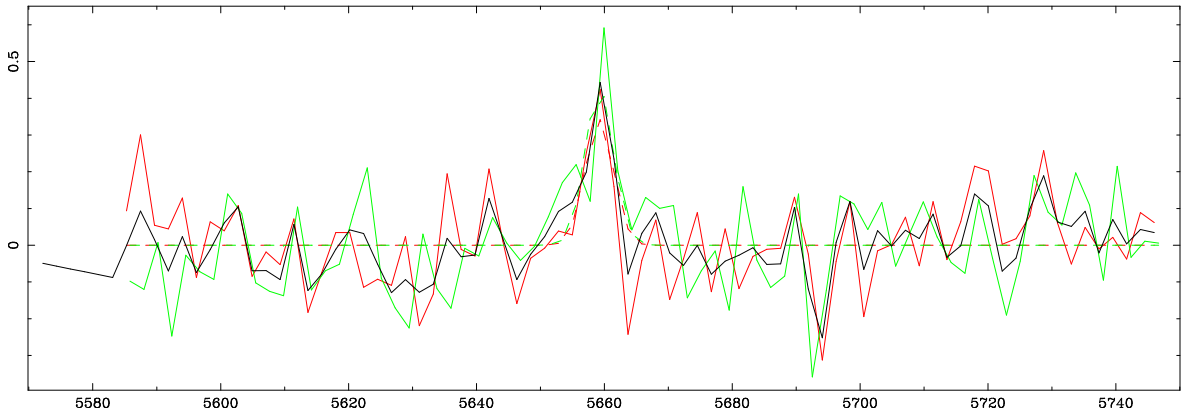
$\lambda_{obs} = 4777.64$Å

$EW_{obs} > 104.57$Å

$\alpha_{2000} = 189.2096°$

$\delta_{2000} = 62.1821°$





S/N = 5.78

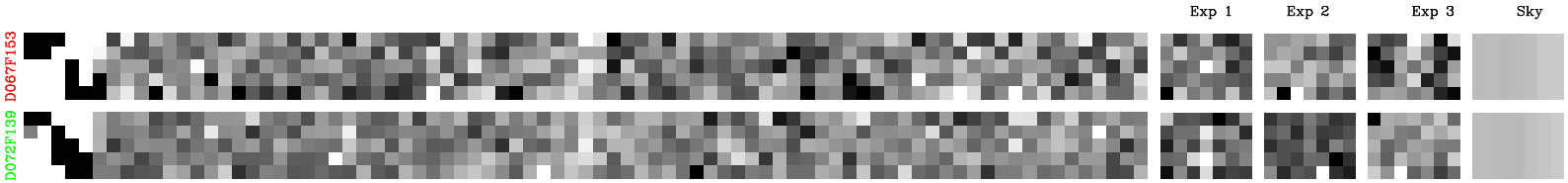
$FWHM_{obs}$ = 5.21Å

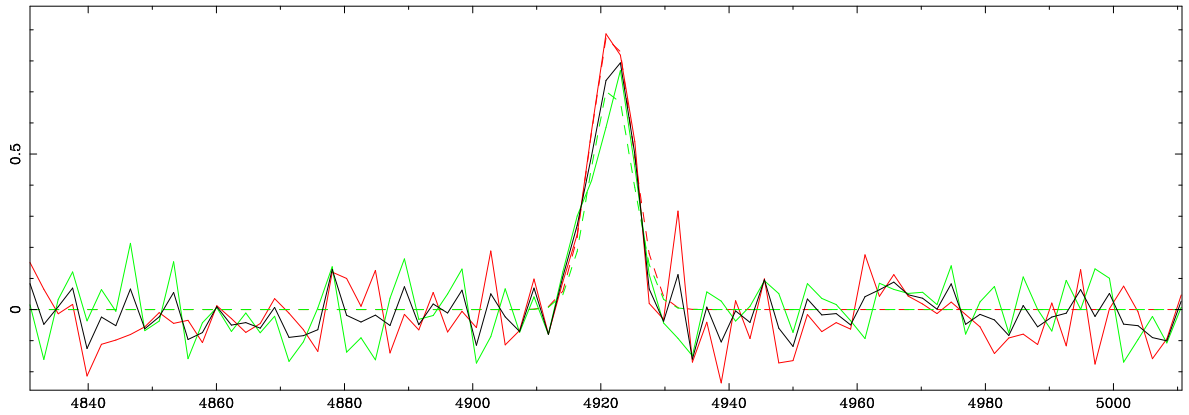
λ_{obs} = 5659.23Å

EW_{obs} = 42.73Å

α_{2000} = 189.2153°

δ_{2000} = 62.1811°





S/N = 14.05

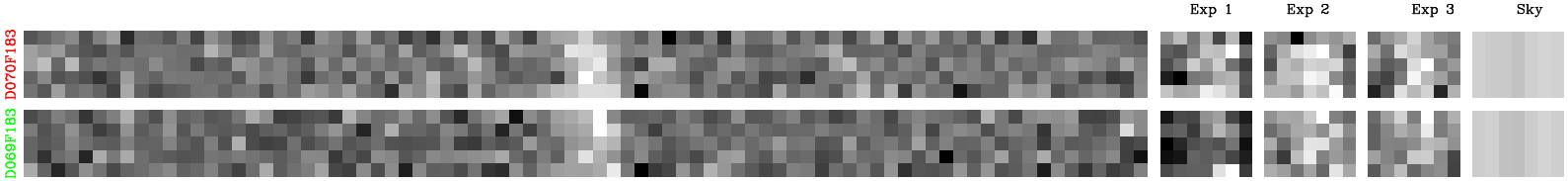
$FWHM_{obs}$ = 7.67Å

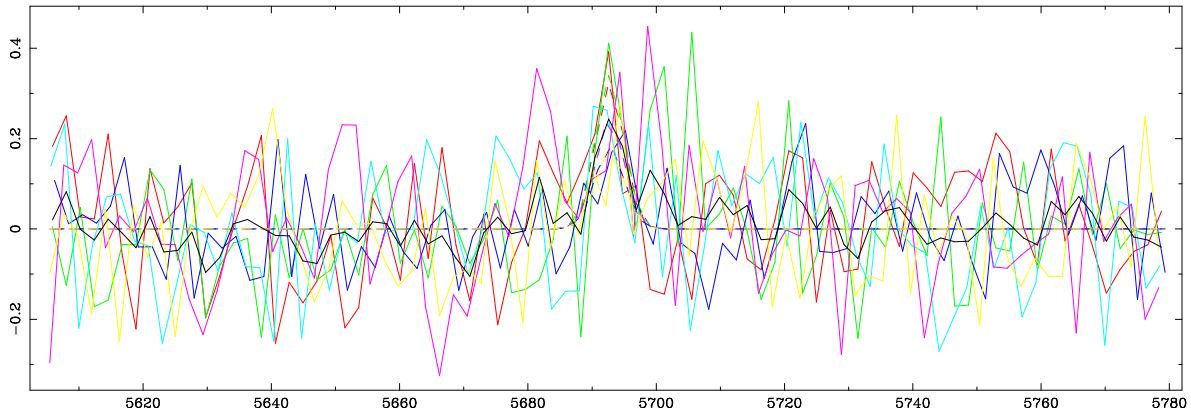
λ_{obs} = 4921.68Å

EW_{obs} = 72.60Å

α_{2000} = 189.2195°

δ_{2000} = 62.1765°





$S/N = 5.97$

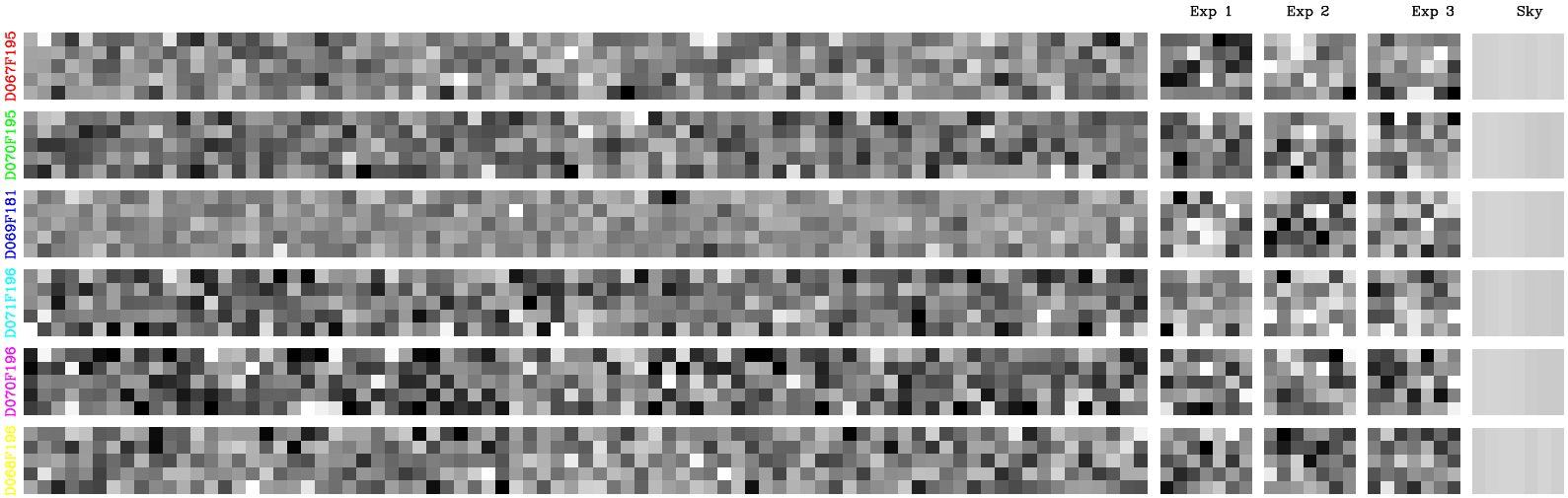
$FWHM_{obs} = 5.24Å$

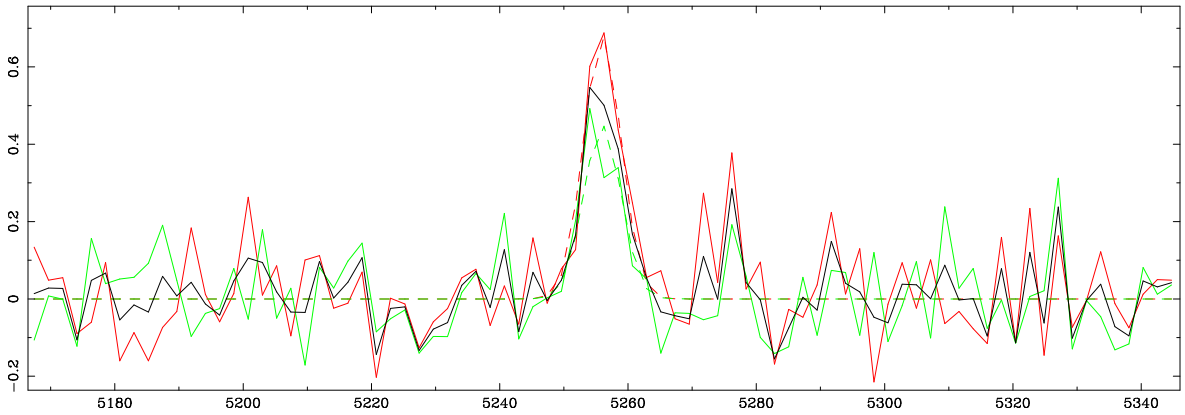
$\lambda_{obs} = 5692.74Å$

$EW_{obs} = 28.42Å$

$\alpha_{2000} = 189.2103°$

$\delta_{2000} = 62.1754°$





S/N = 9.42

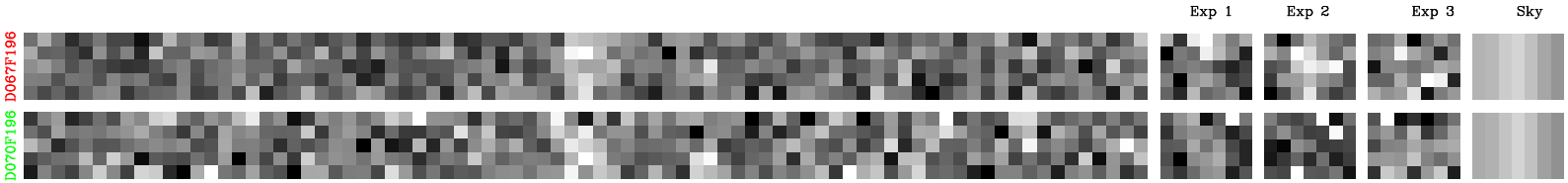
$FWHM_{obs}$ = 6.85Å

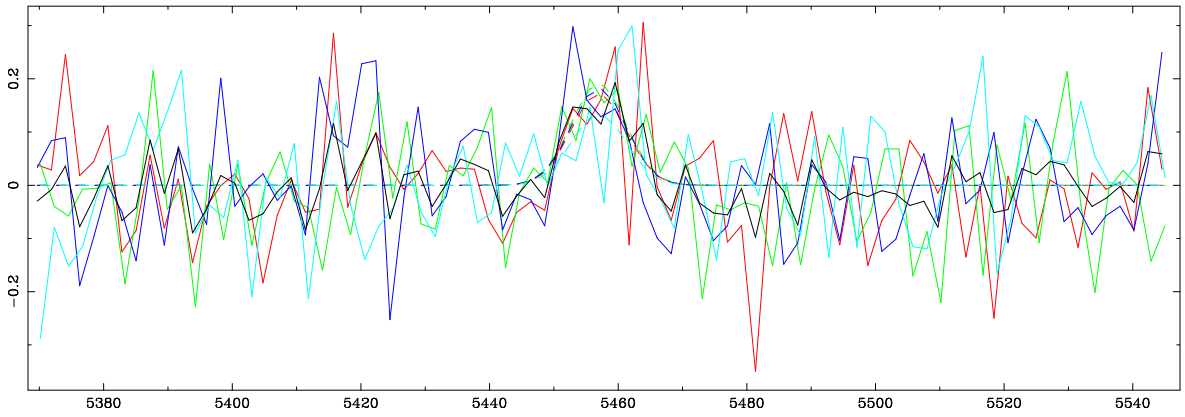
λ_{obs} = 5255.99Å

EW_{obs} = 17.54Å

α_{2000} = 189.2130°

δ_{2000} = 62.1754°





S/N = 5.06

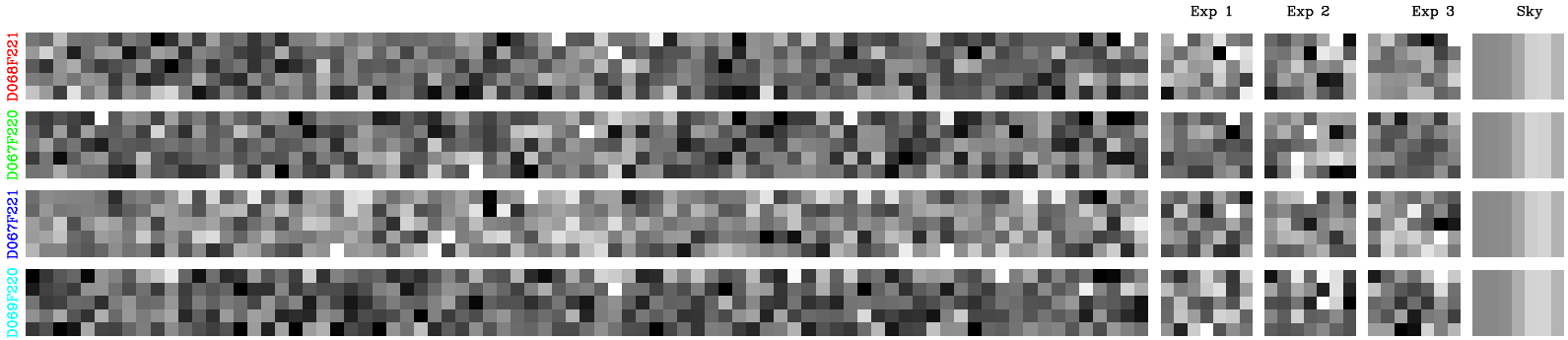
$FWHM_{obs}$ = 10.00Å

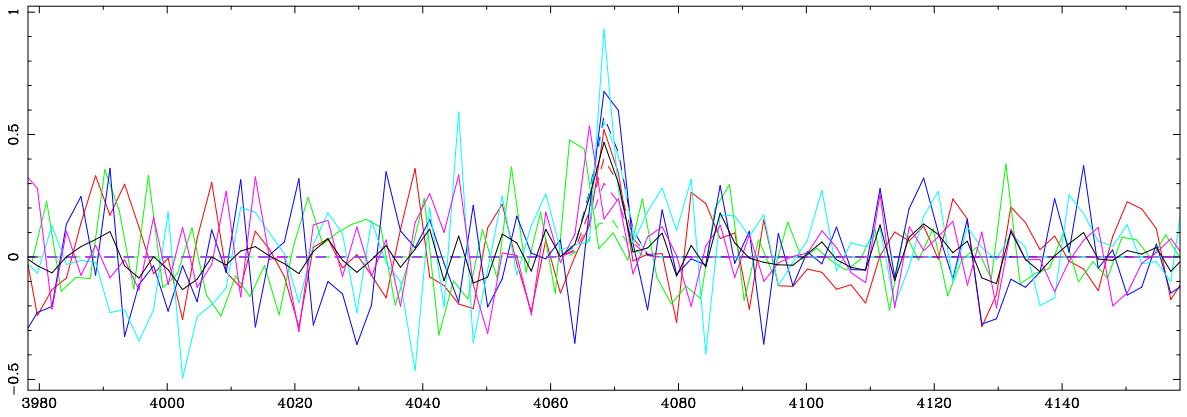
λ_{obs} = 5456.96Å

EW_{obs} > 69.04Å

α_{2000} = 189.1929°

δ_{2000} = 62.1719°





$S/N = 5.44$

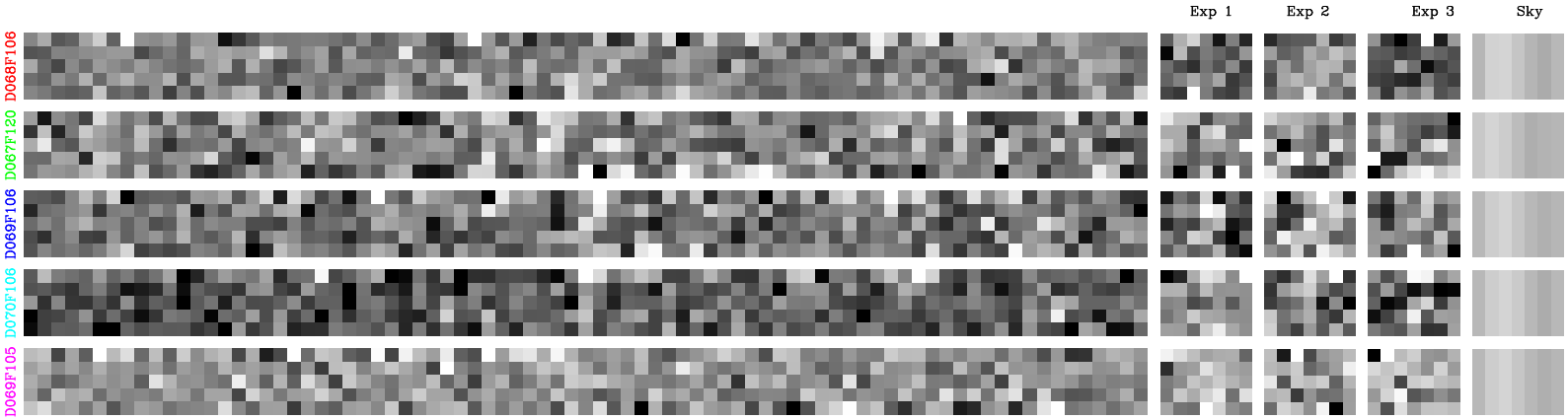
$FWHM_{obs} = 5.20Å$

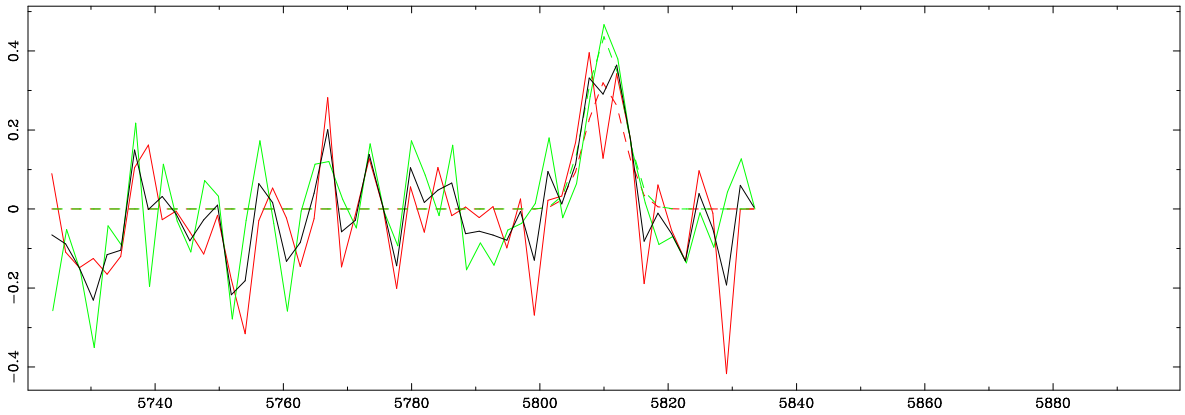
$\lambda_{obs} = 4068.84Å$

$EW_{obs} > 60.95Å$

$\alpha_{2000} = 189.1990°$

$\delta_{2000} = 62.1852°$





S/N = 5.79

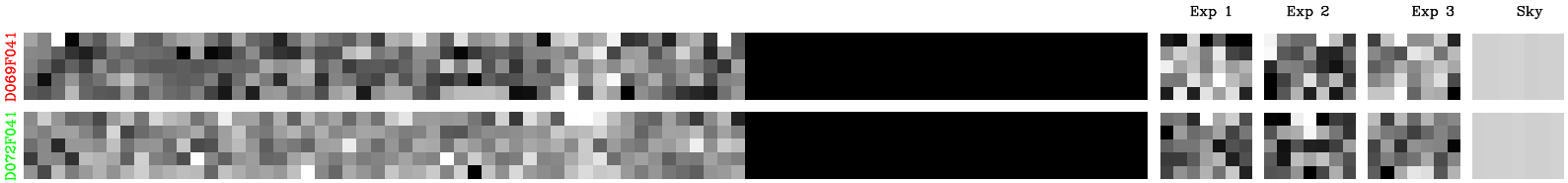
$FWHM_{obs}$ = 6.85Å

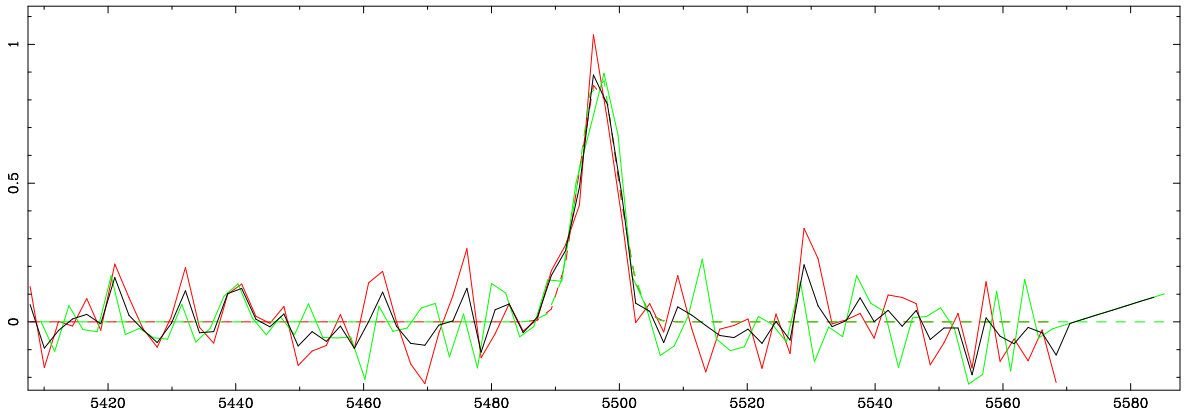
λ_{obs} = 5810.11Å

EW_{obs} > 46.87Å

α_{2000} = 189.2316°

δ_{2000} = 62.1934°





S/N = 13.25

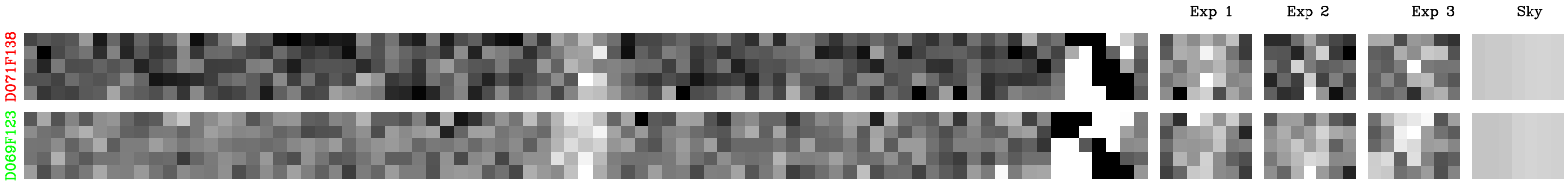
$FWHM_{obs}$ = 7.16Å

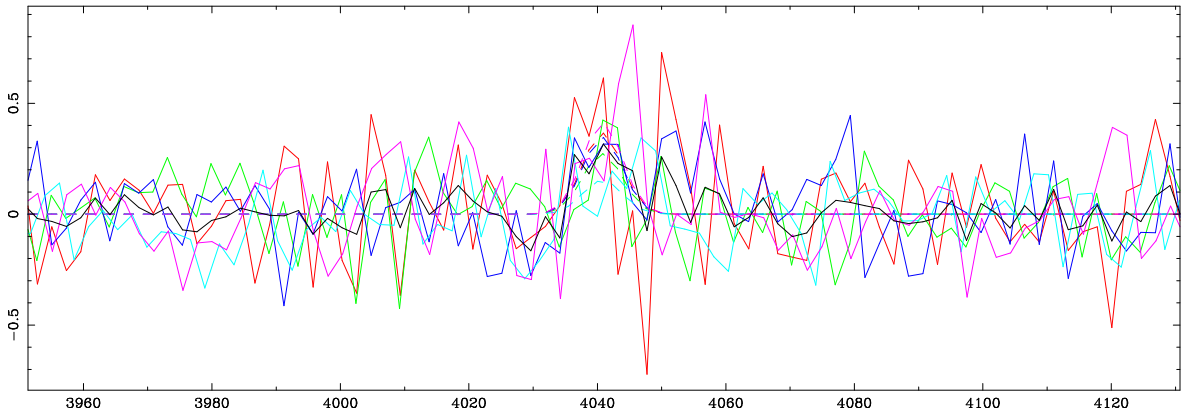
λ_{obs} = 5496.73Å

EW_{obs} = 80.60Å

α_{2000} = 189.2111°

δ_{2000} = 62.1829°





$S/N = 5.44$

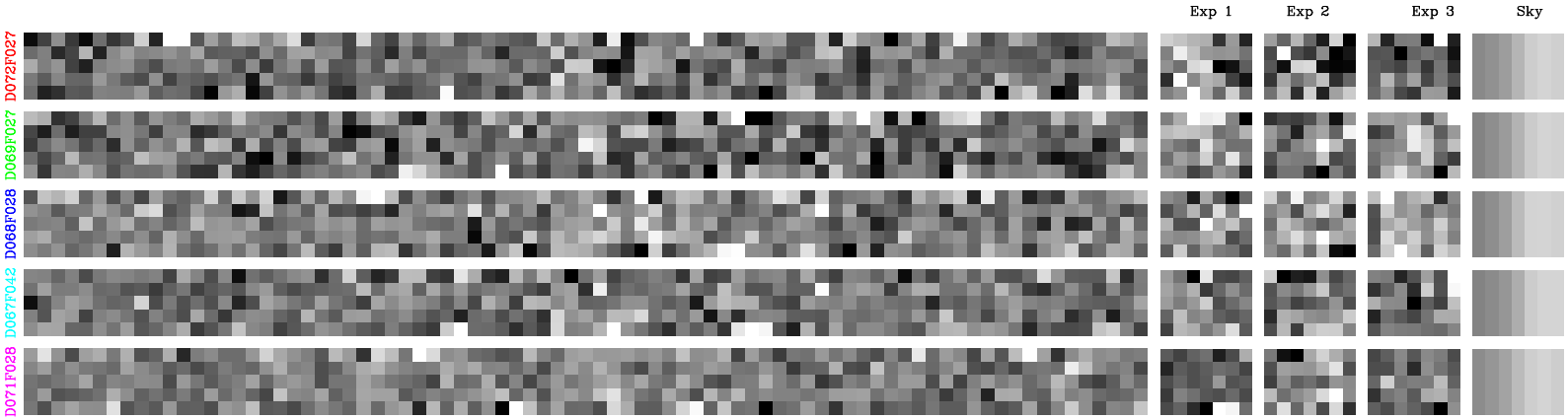
$FWHM_{obs} = 7.30$Å

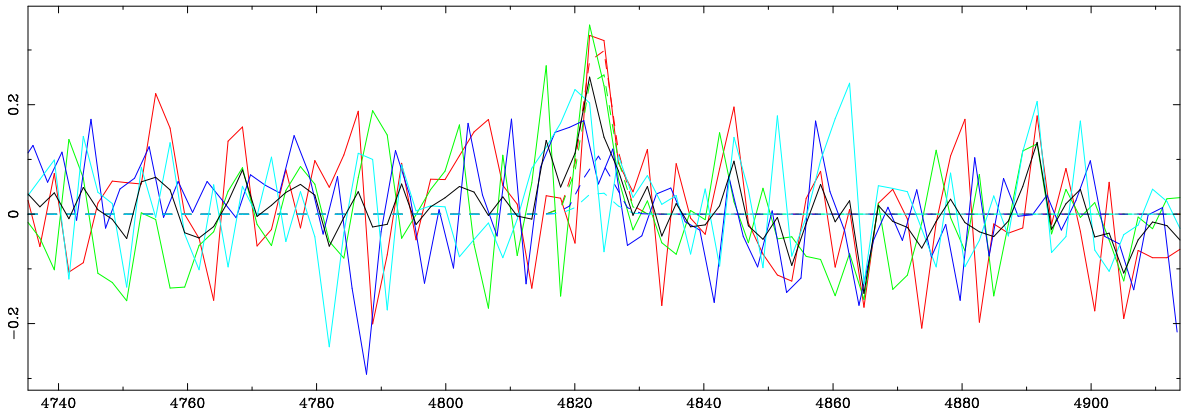
$\lambda_{obs} = 4040.79$Å

$EW_{obs} > 62.33$Å

$\alpha_{2000} = 189.2357°$

$\delta_{2000} = 62.1955°$





$S/N = 5.22$

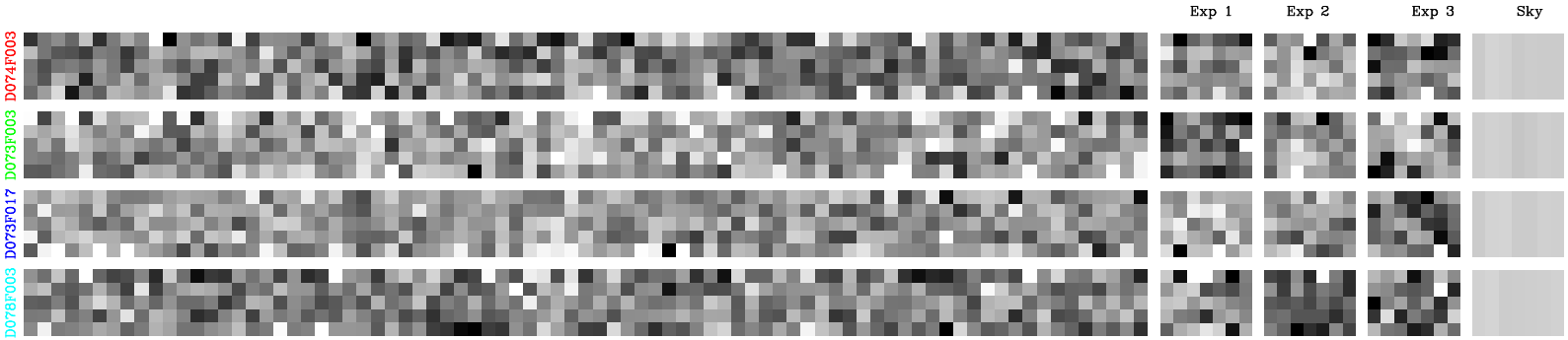
$FWHM_{obs} = 5.20$Å

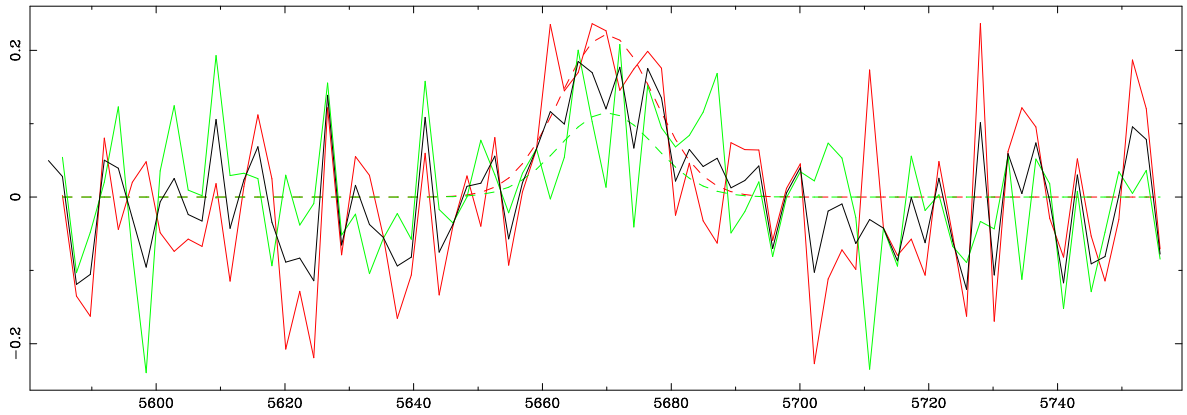
$\lambda_{obs} = 4823.55$Å

$EW_{obs} > 55.35$Å

$\alpha_{2000} = 189.1310°$

$\delta_{2000} = 62.2552°$





S/N = 5.41

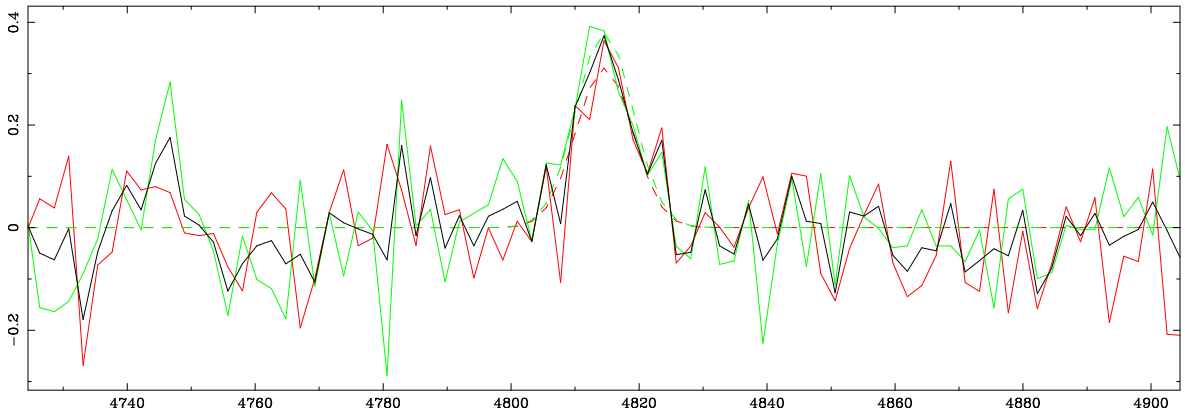
$FWHM_{obs}$ = 17.36Å

λ_{obs} = 5670.04Å

EW_{obs} > 79.69Å

α_{2000} = 189.1373°

δ_{2000} = 62.2536°



$S/N = 7.48$

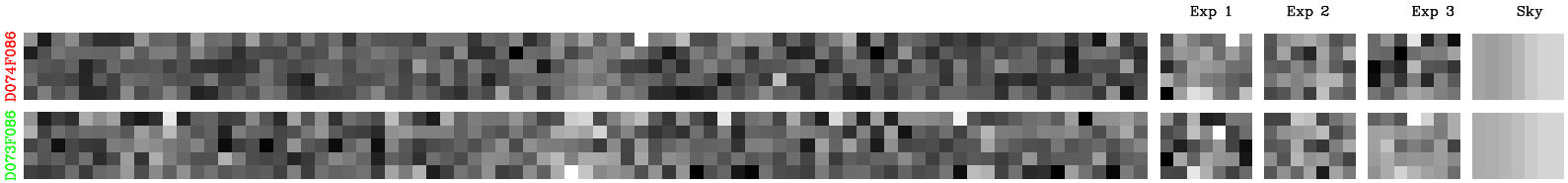
$FWHM_{obs} = 10.48Å$

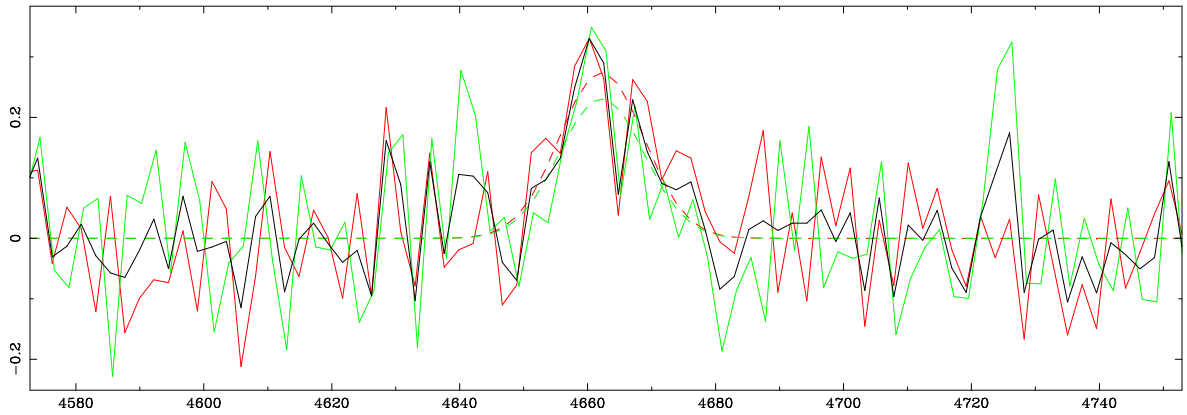
$\lambda_{obs} = 4814.57Å$

$EW_{obs} > 91.61Å$

$\alpha_{2000} = 189.1762°$

$\delta_{2000} = 62.2466°$





S/N = 6.32

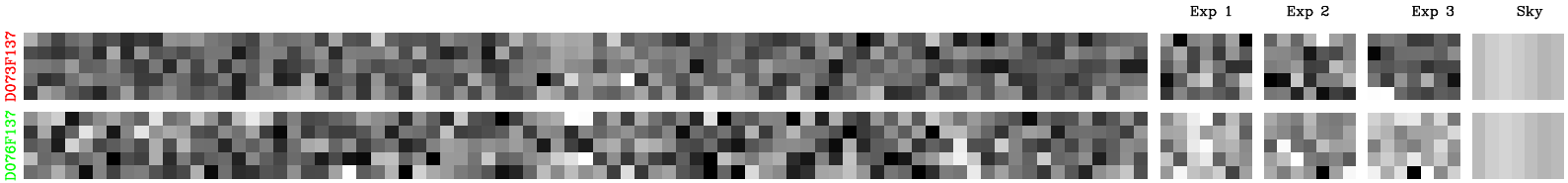
$FWHM_{obs}$ = 15.54Å

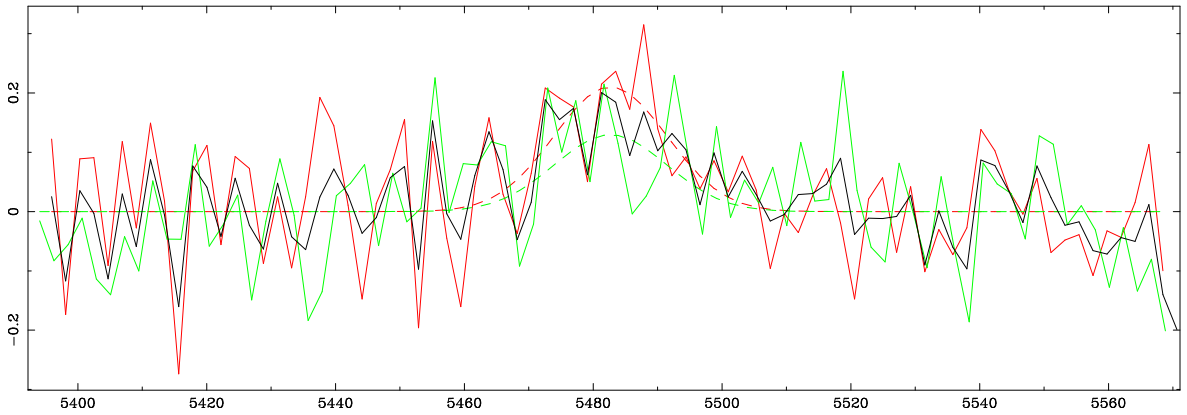
λ_{obs} = 4662.20Å

EW_{obs} > 97.02Å

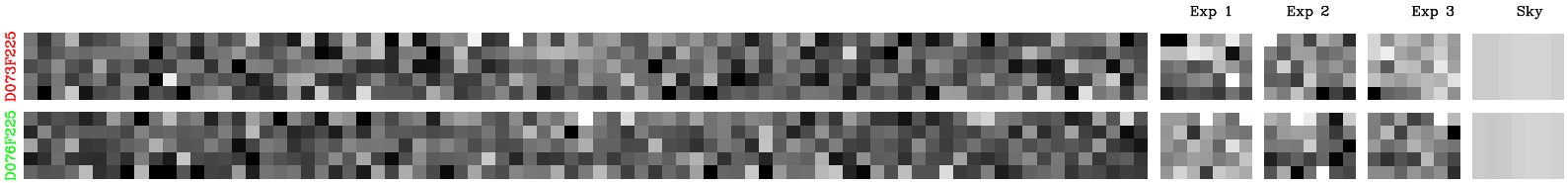
α_{2000} = 189.1472°

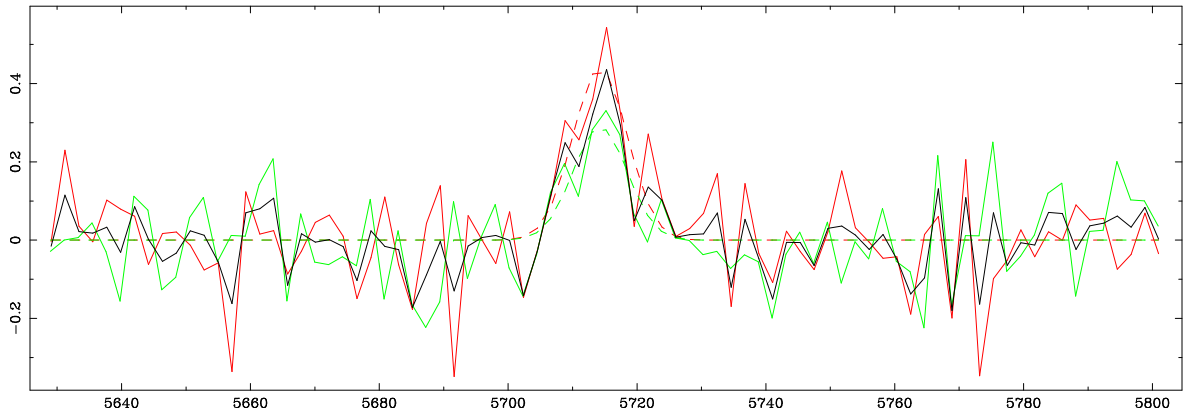
δ_{2000} = 62.2398°





S/N = 5.98
$FWHM_{obs}$ = 20.65Å
λ_{obs} = 5482.69Å
EW_{obs} = 25.93Å
α_{2000} = 189.1512°
δ_{2000} = 62.2294°





S/N = 8.05

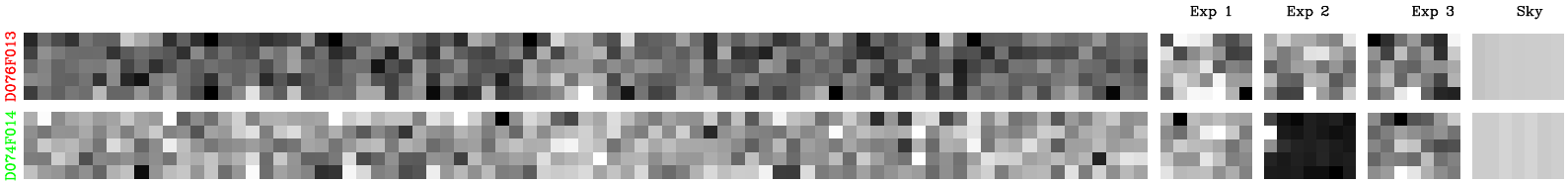
$FWHM_{obs}$ = 9.95Å

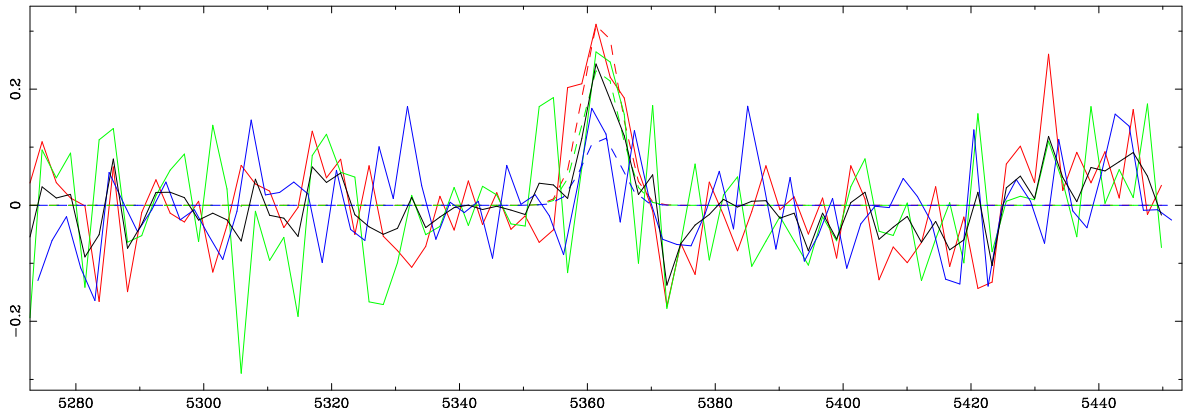
λ_{obs} = 5714.28Å

EW_{obs} > 105.47Å

α_{2000} = 189.1765°

δ_{2000} = 62.2549°





S/N = 5.85

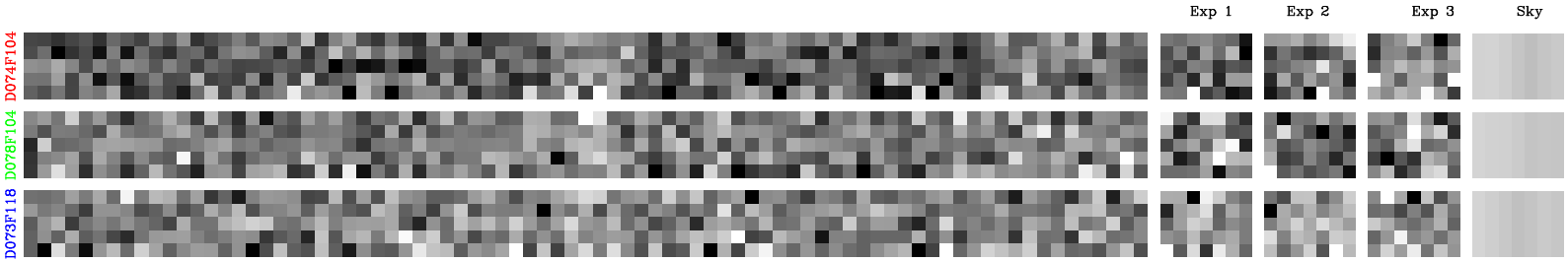
$FWHM_{obs}$ = 6.76Å

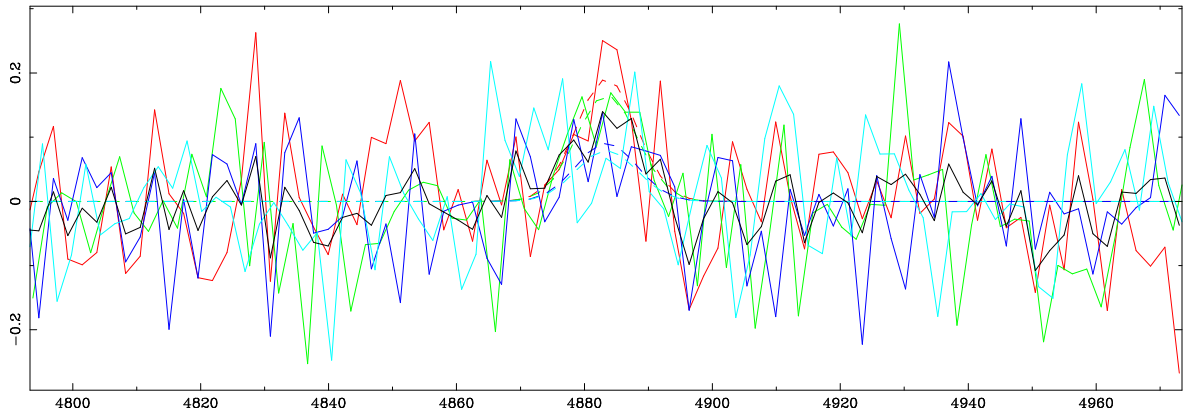
λ_{obs} = 5362.16Å

EW_{obs} = 33.33Å

α_{2000} = 189.1279°

δ_{2000} = 62.2427°





$S/N = 5.04$

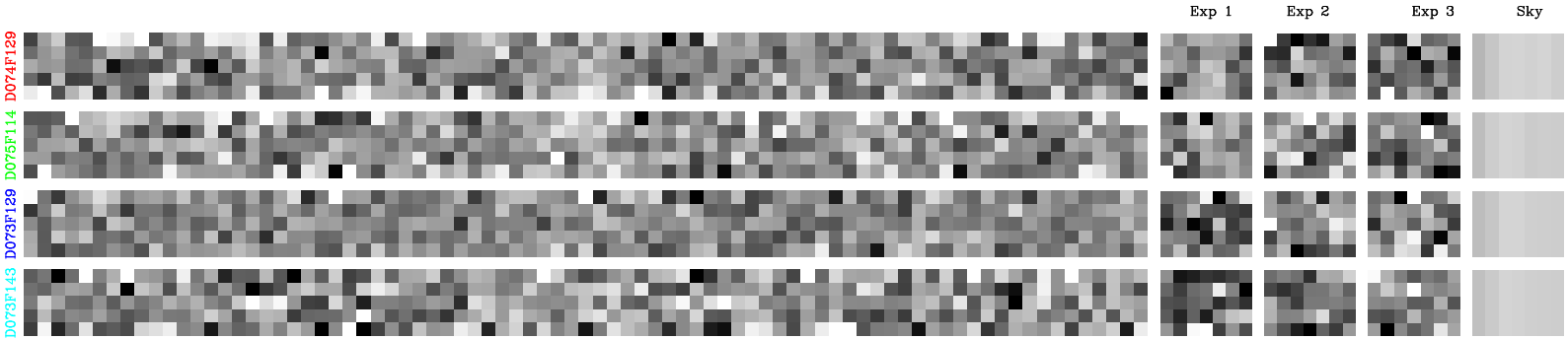
$FWHM_{obs} = 11.14Å$

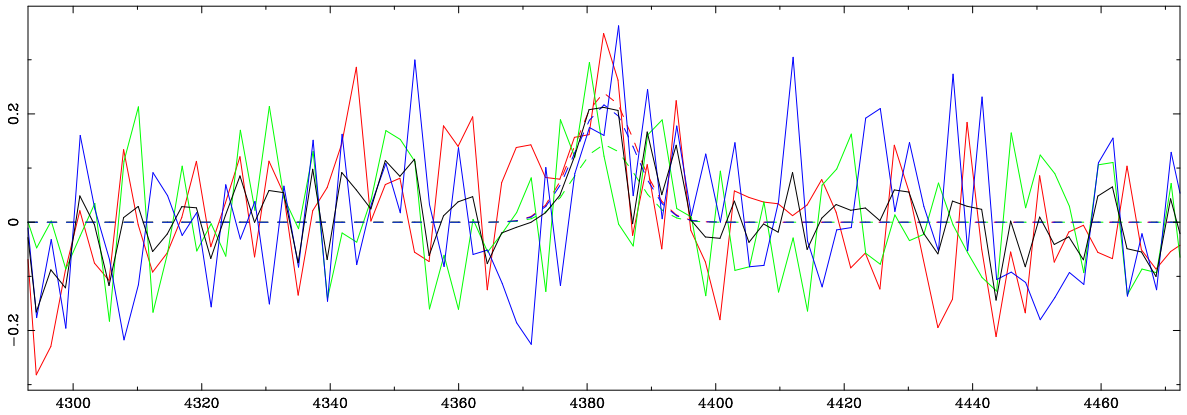
$\lambda_{obs} = 4883.46Å$

$EW_{obs} > 65.97Å$

$\alpha_{2000} = 189.1731°$

$\delta_{2000} = 62.2414°$





S/N = 5.16

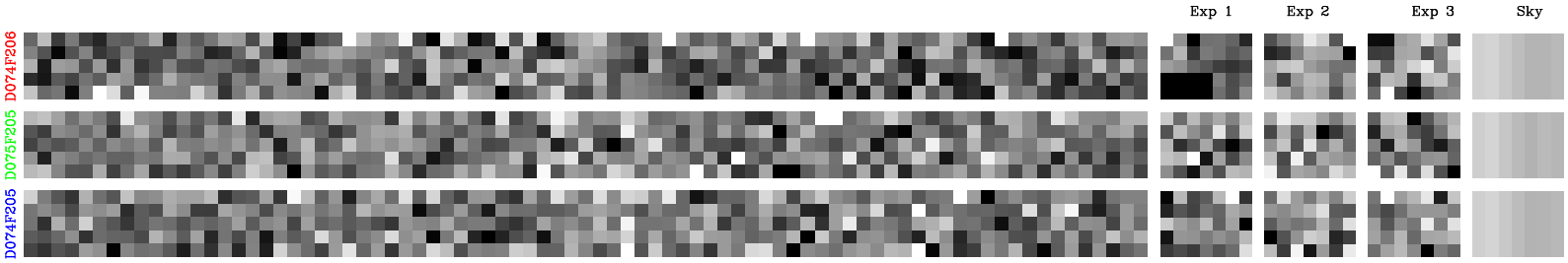
$FWHM_{obs}$ = 10.85Å

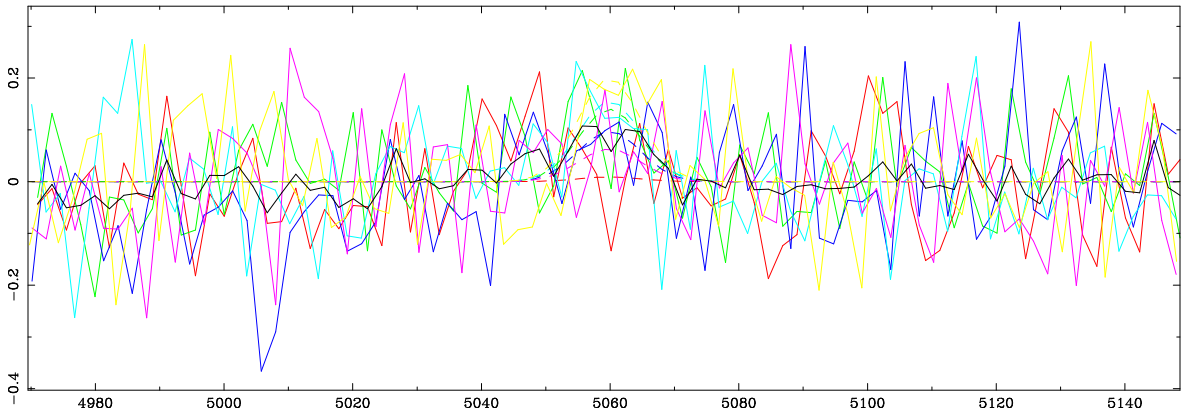
λ_{obs} = 4382.80Å

EW_{obs} > 64.18Å

α_{2000} = 189.1275°

δ_{2000} = 62.2308°





$S/N = 5.09$

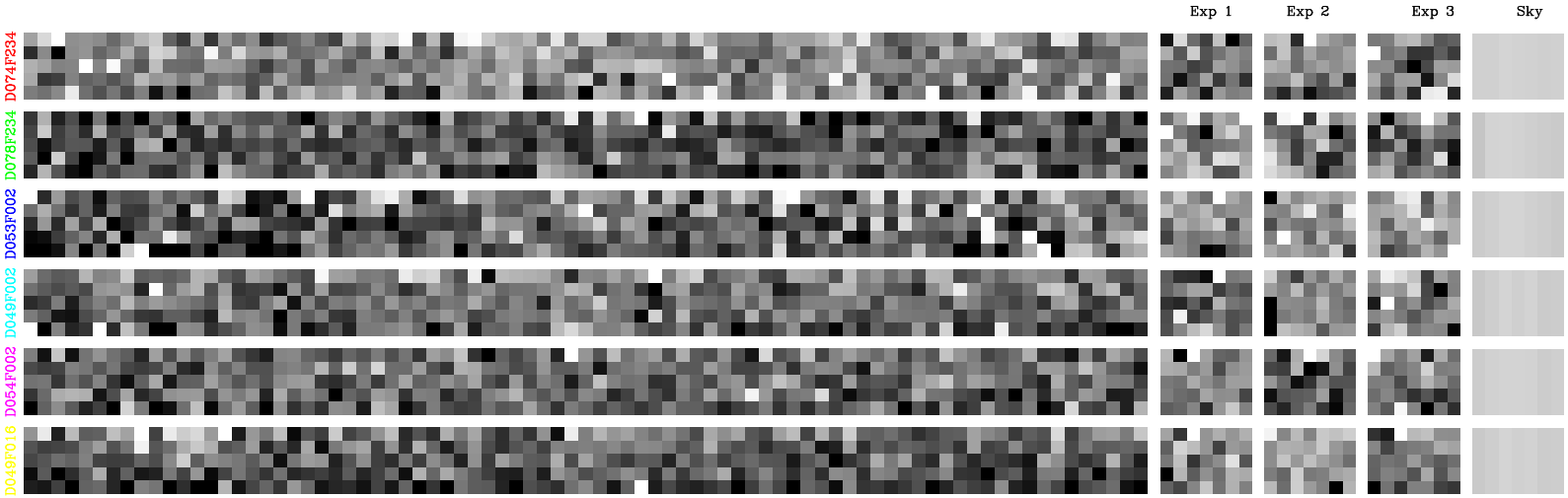
$FWHM_{obs} = 11.38Å$

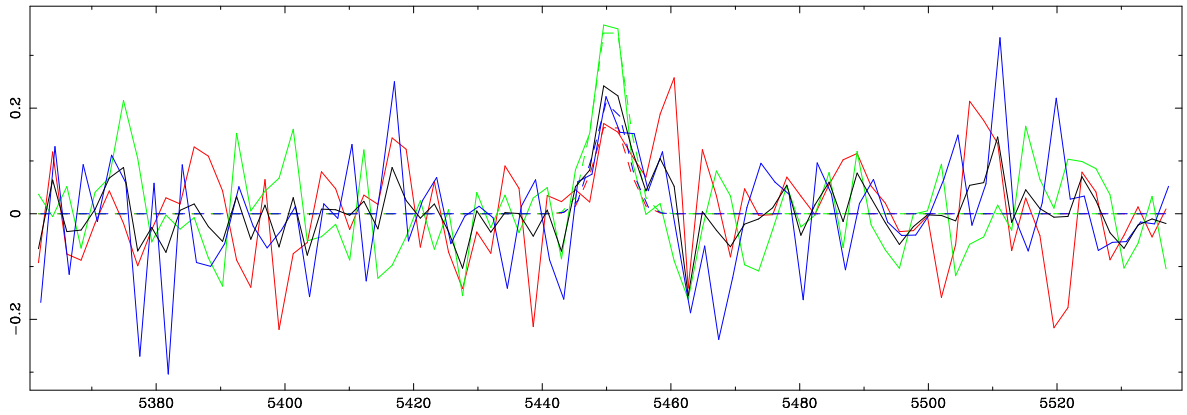
$\lambda_{obs} = 5059.91Å$

$EW_{obs} > 65.23Å$

$\alpha_{2000} = 189.1272°$

$\delta_{2000} = 62.2264°$



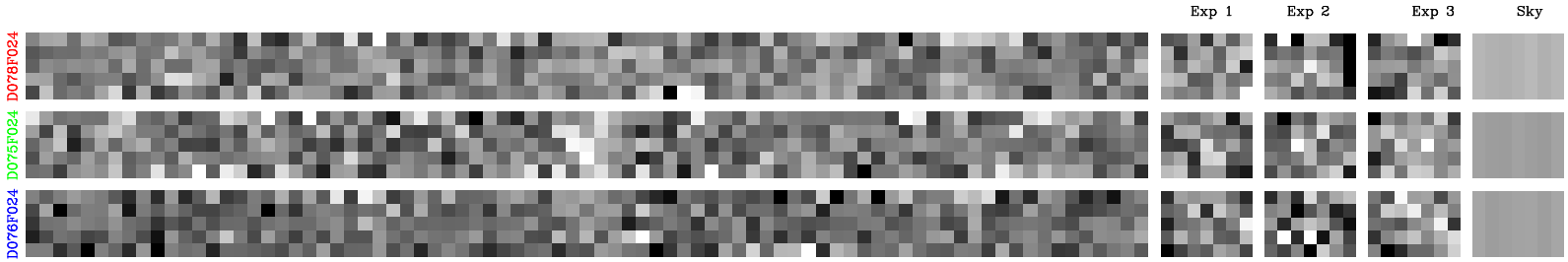


$S/N = 6.17$

$FWHM_{obs} = 5.76$Å

$\lambda_{obs} = 5450.64$Å

$EW_{obs} > 54.91$Å

$\alpha_{2000} = 189.1600°$

$\delta_{2000} = 62.2529°$