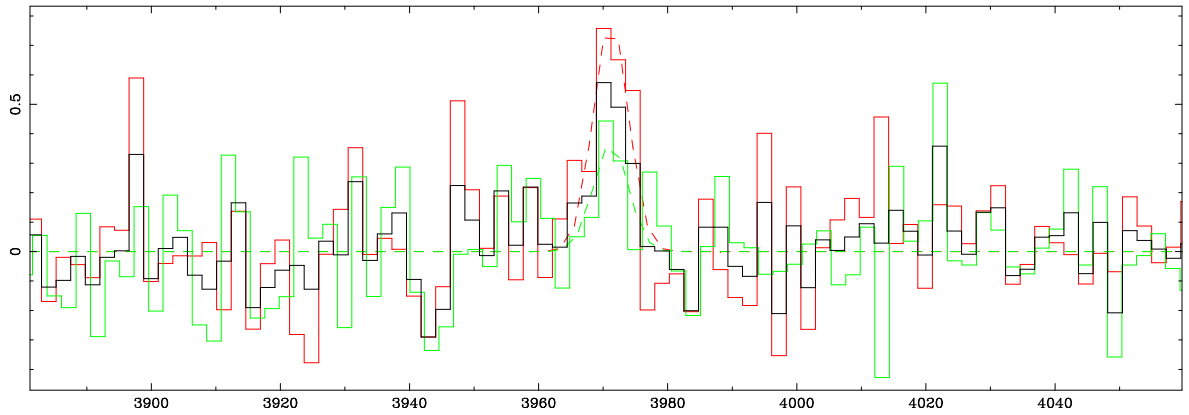


S/N = 6.44

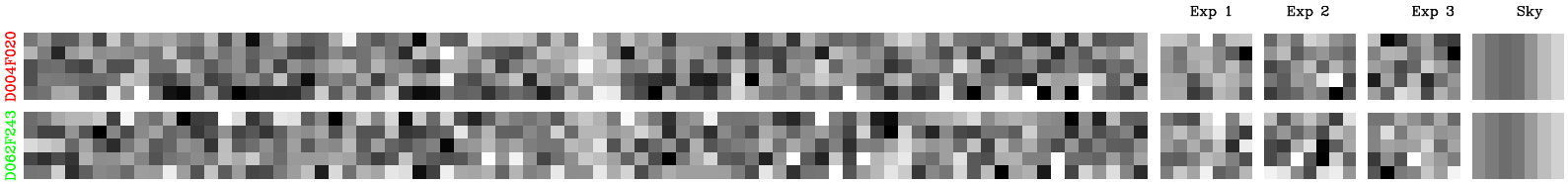
$FWHM_{obs}$ = 6.34Å

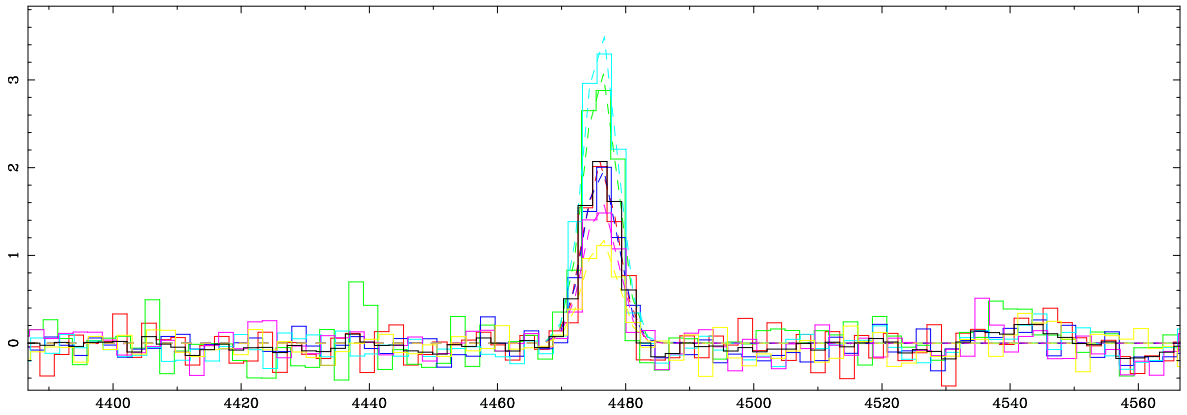
λ_{obs} = 3971.19Å

EW_{obs} > 59.59Å

α_{2000} = 189.2261°

δ_{2000} = 62.2267°





$S/N = 43.45$

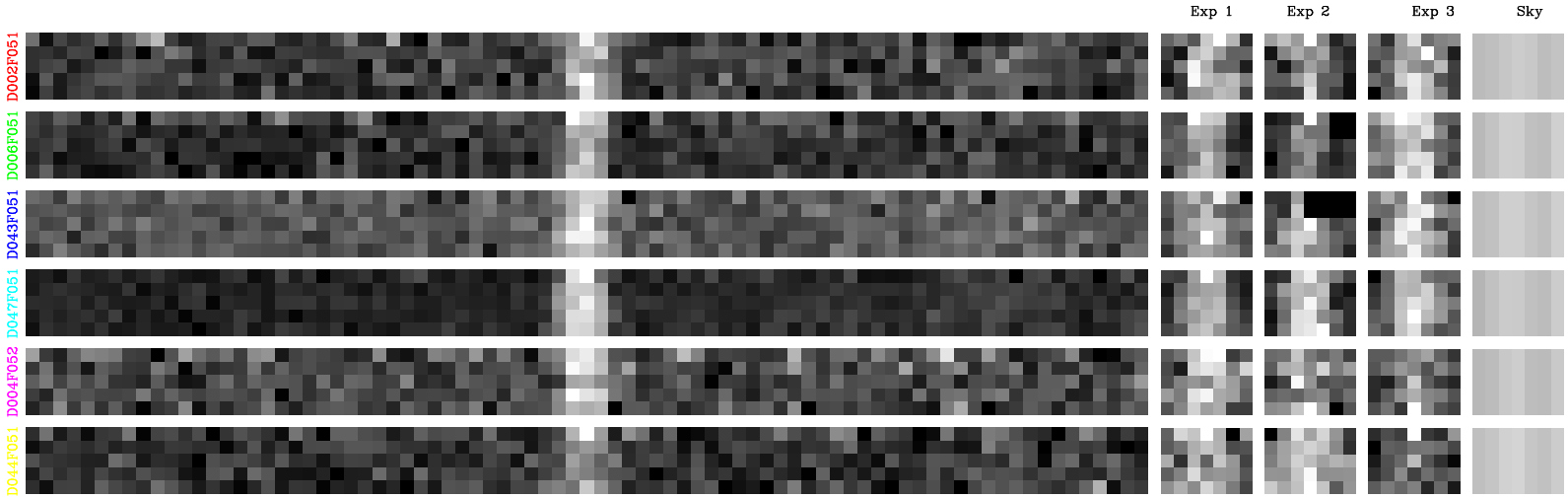
$FWHM_{obs} = 6.22Å$

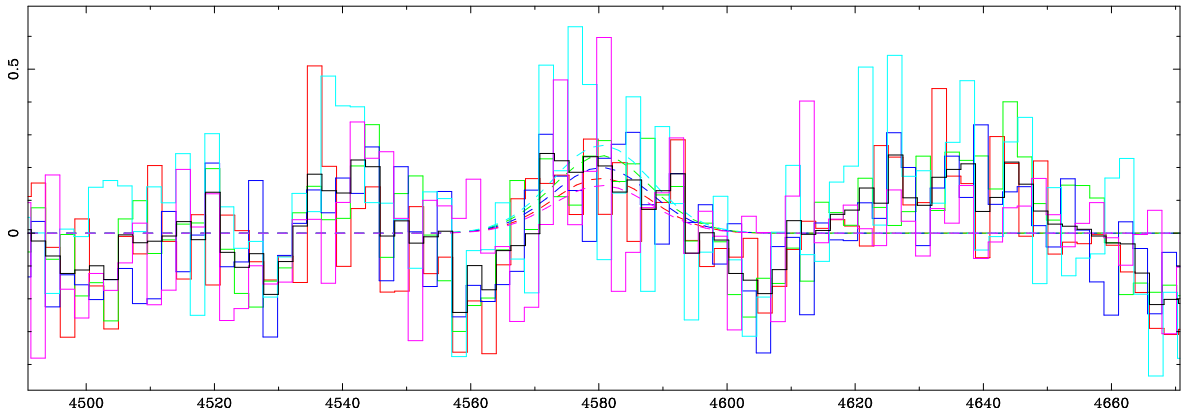
$\lambda_{obs} = 4476.07Å$

$EW_{obs} = 29.02Å$

$\alpha_{2000} = 189.2132°$

$\delta_{2000} = 62.2227°$





$S/N = 7.13$

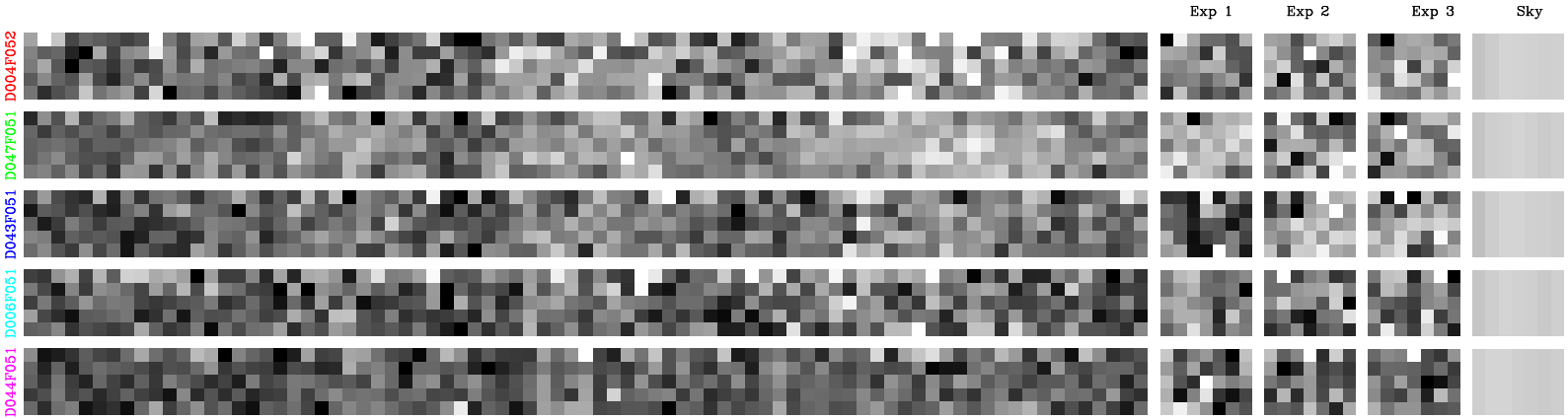
$FWHM_{obs} = 17.95Å$

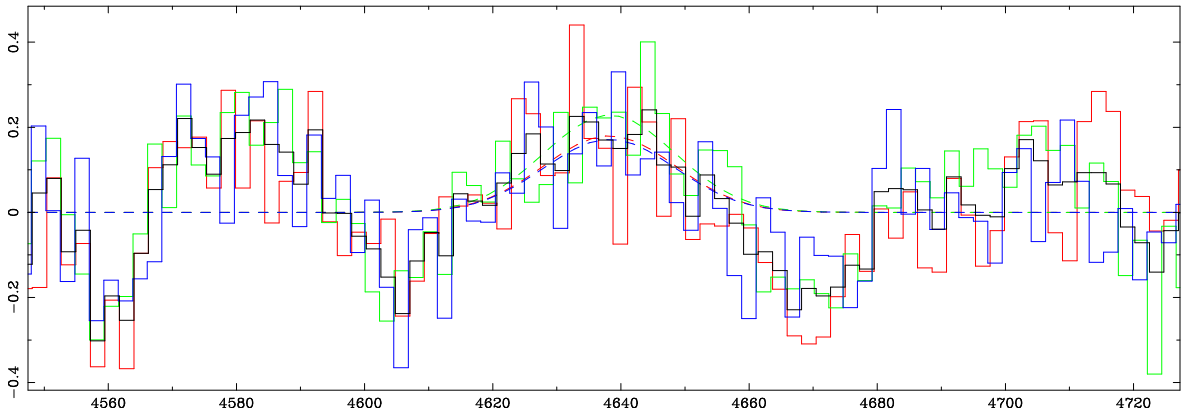
$\lambda_{obs} = 4580.43Å$

$EW_{obs} = 7.65Å$

$\alpha_{2000} = 189.2131°$

$\delta_{2000} = 62.2226°$





S/N = 6.77

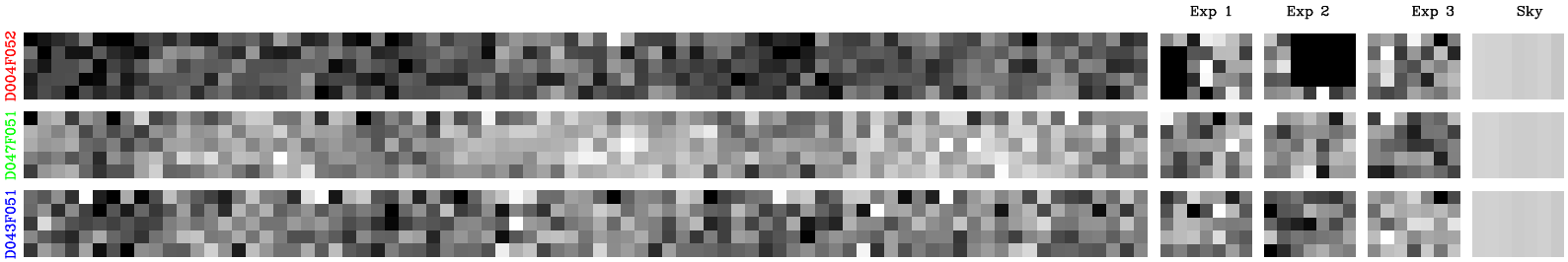
$FWHM_{obs}$ = 24.20Å

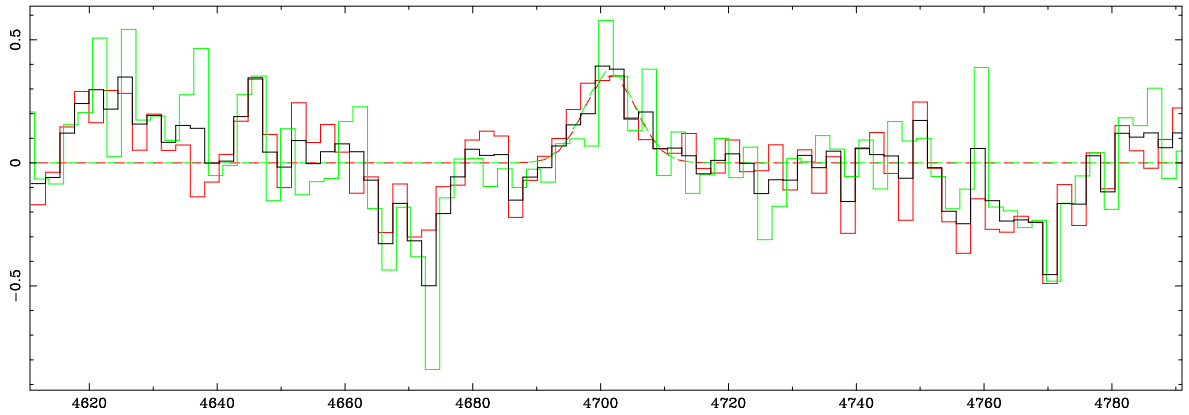
λ_{obs} = 4638.23Å

EW_{obs} = 9.78Å

α_{2000} = 189.2127°

δ_{2000} = 62.2228°





S/N = 5.62

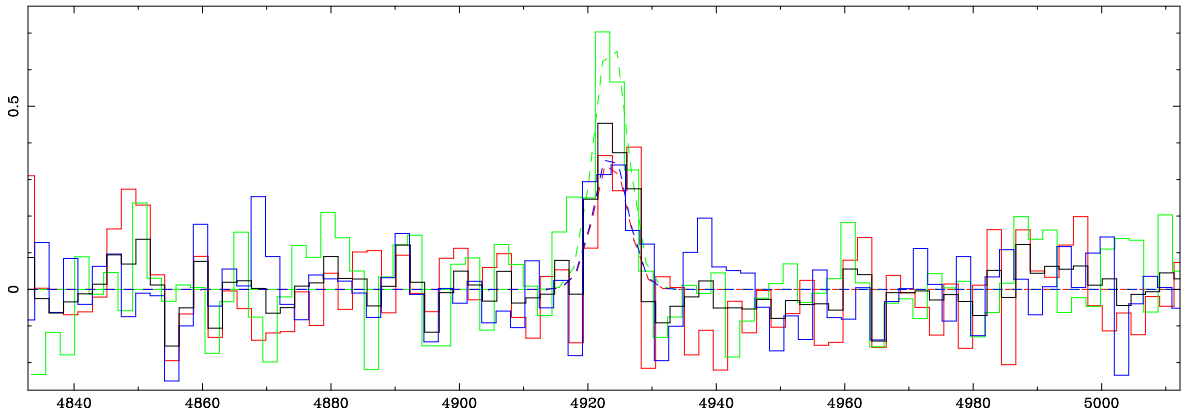
$FWHM_{obs}$ = 9.43Å

λ_{obs} = 4701.51Å

EW_{obs} = 5.98Å

α_{2000} = 189.2144°

δ_{2000} = 62.2228°



$S/N = 9.34$

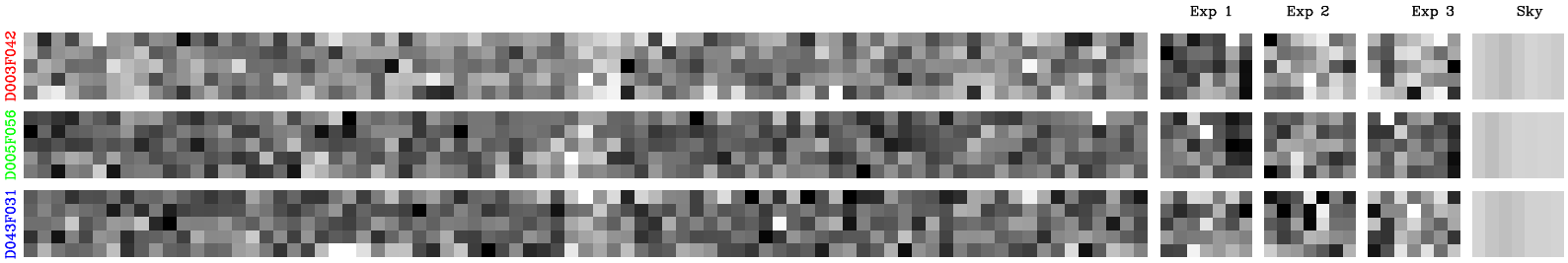
$FWHM_{obs} = 6.10$Å

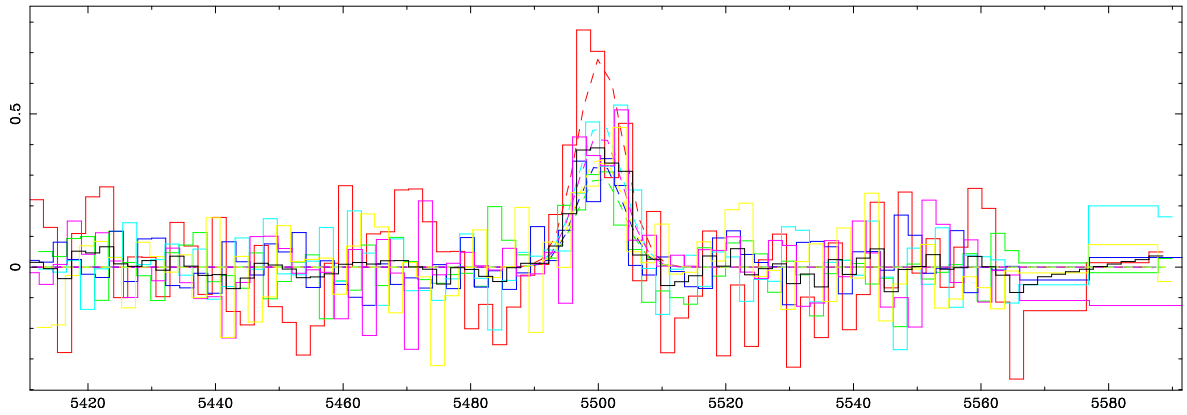
$\lambda_{obs} = 4923.55$Å

$EW_{obs} = 25.58$Å

$\alpha_{2000} = 189.1910°$

$\delta_{2000} = 62.2242°$





$S/N = 15.55$

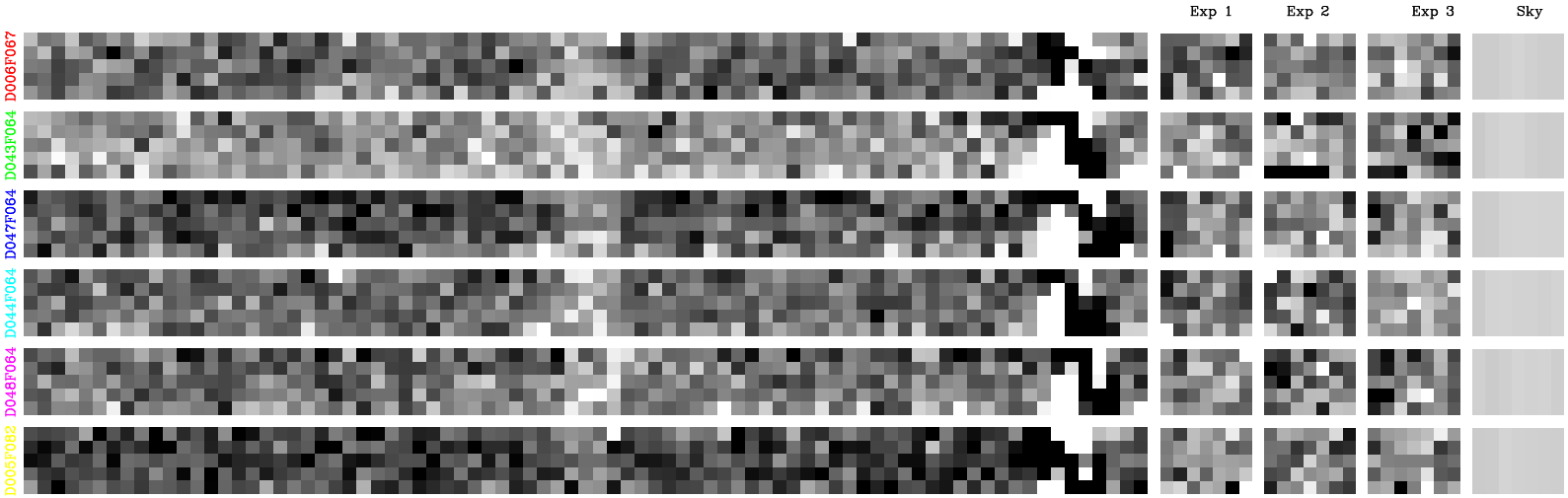
$FWHM_{obs} = 8.42Å$

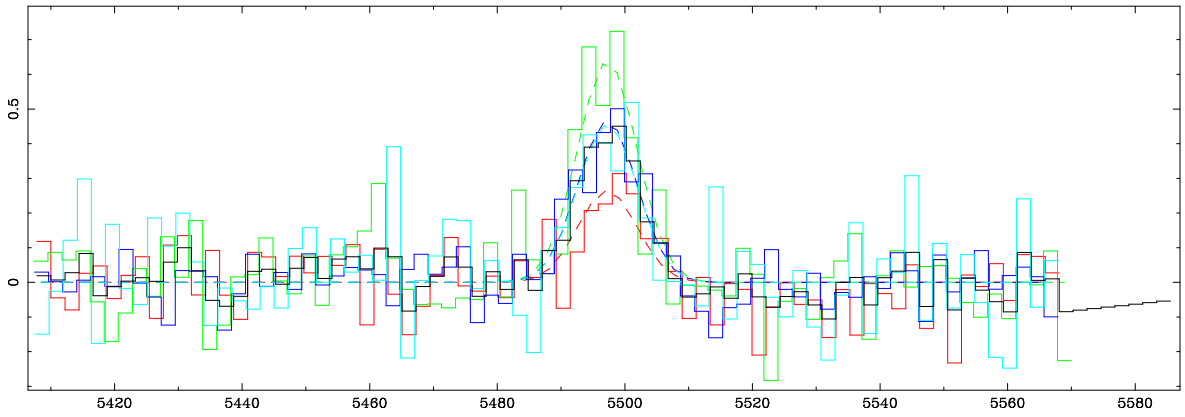
$\lambda_{obs} = 5500.32Å$

$EW_{obs} = 170.76Å$

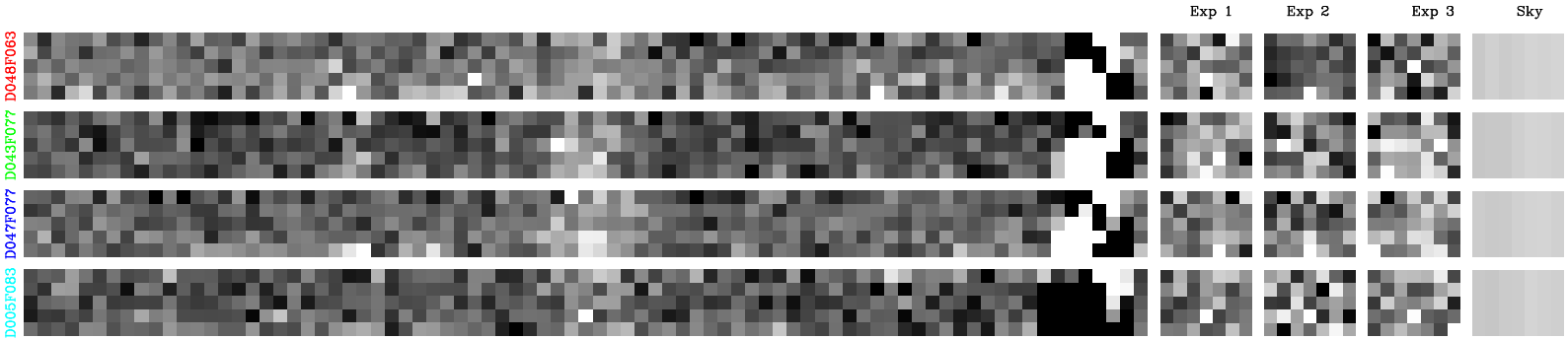
$\alpha_{2000} = 189.2061°$

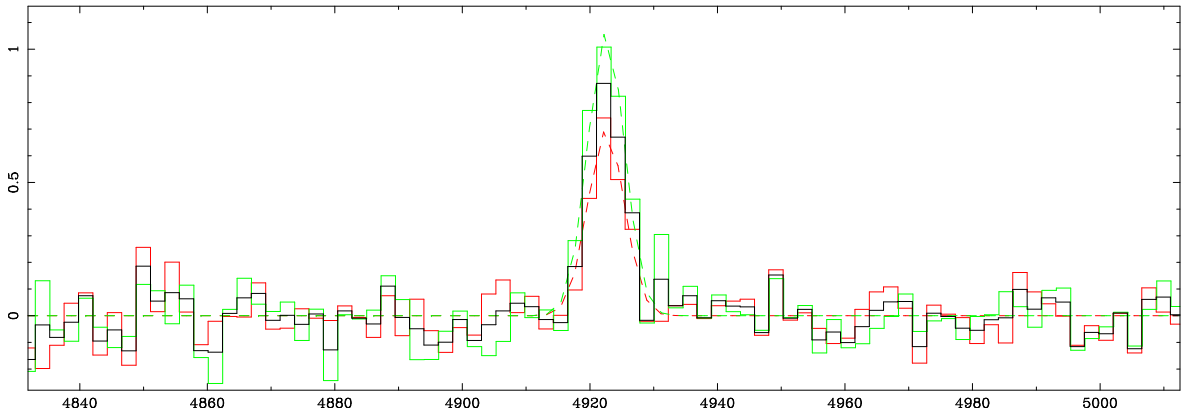
$\delta_{2000} = 62.2205°$





S/N = 16.06
$FWHM_{obs}$ = 10.99Å
λ_{obs} = 5497.25Å
EW_{obs} = 58.71Å
α_{2000} = 189.2004°
δ_{2000} = 62.2196°





S/N = 15.02

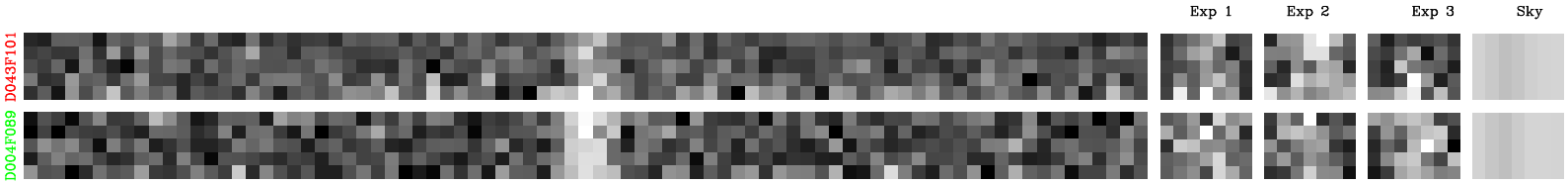
$FWHM_{obs}$ = 6.74Å

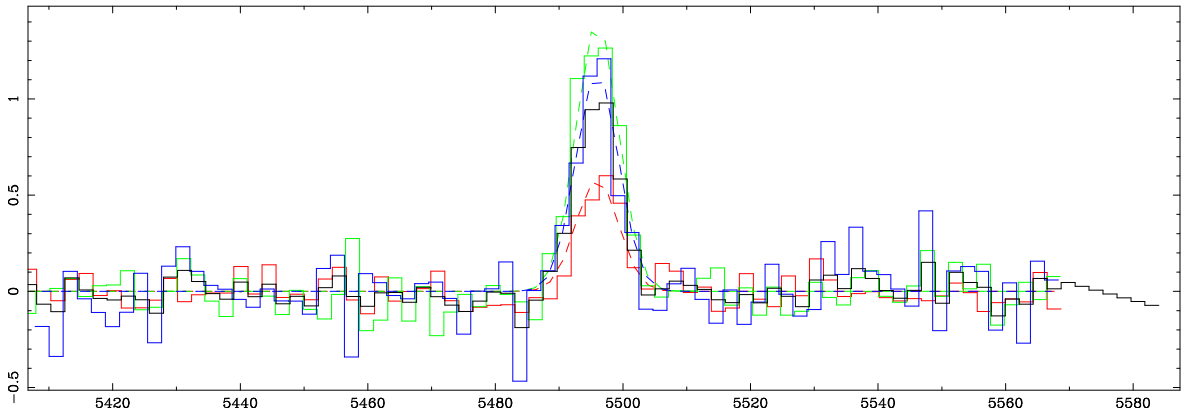
λ_{obs} = 4922.54Å

EW_{obs} = 76.88Å

α_{2000} = 189.2420°

δ_{2000} = 62.2172°





S/N = 22.83

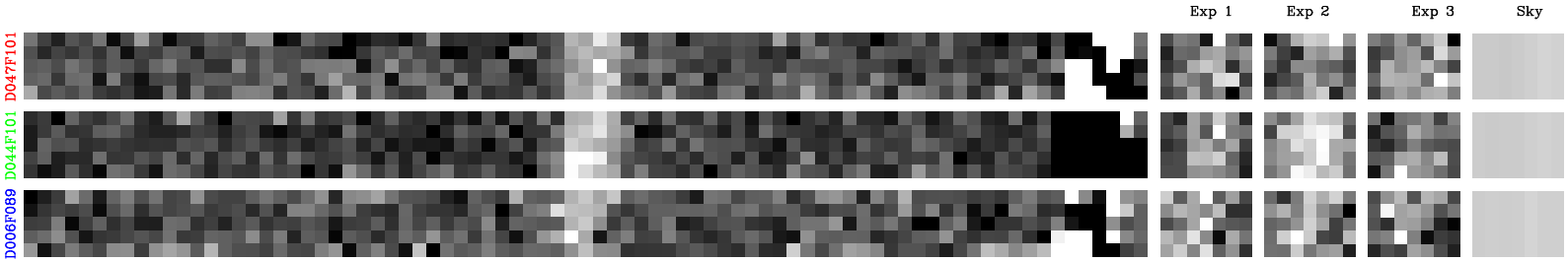
$FWHM_{obs}$ = 7.83Å

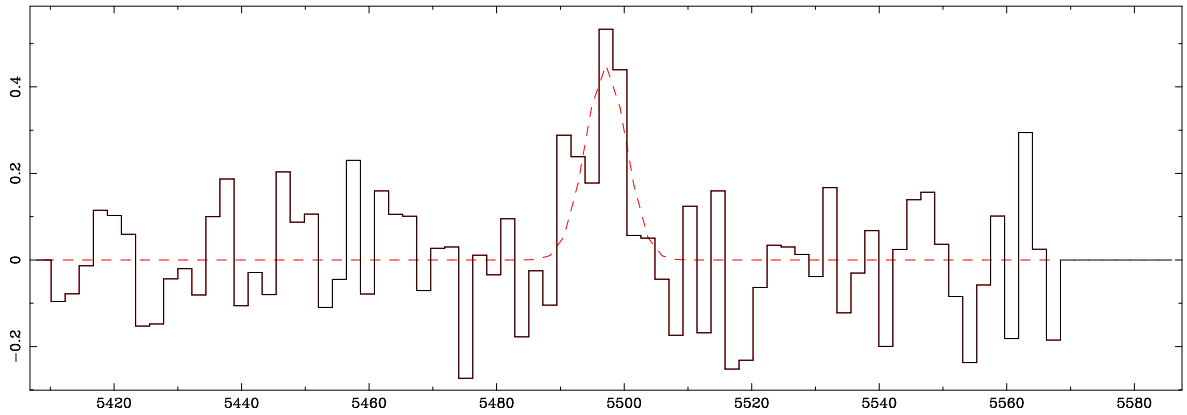
λ_{obs} = 5495.96Å

EW_{obs} = 118.10Å

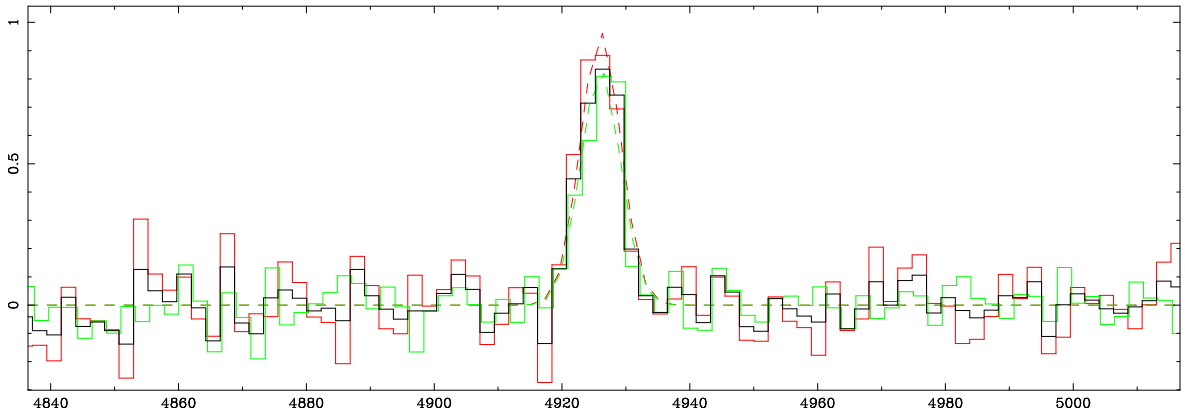
α_{2000} = 189.2395°

δ_{2000} = 62.2168°

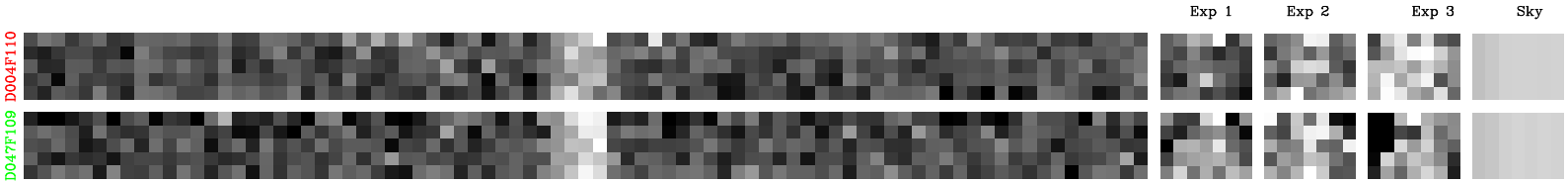


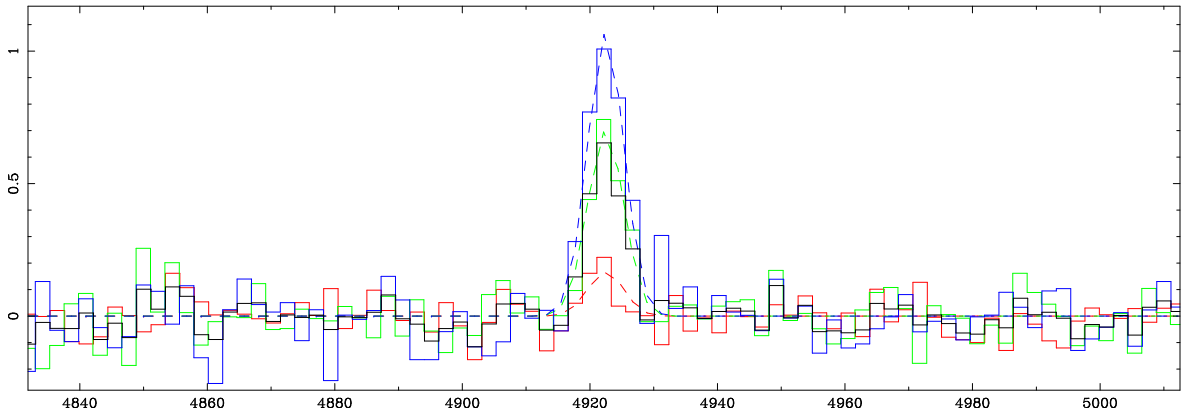


S/N = 5.00
$FWHM_{obs}$ = 7.49Å
λ_{obs} = 5497.12Å
EW_{obs} > 57.49Å
α_{2000} = 189.2074°
δ_{2000} = 62.2169°

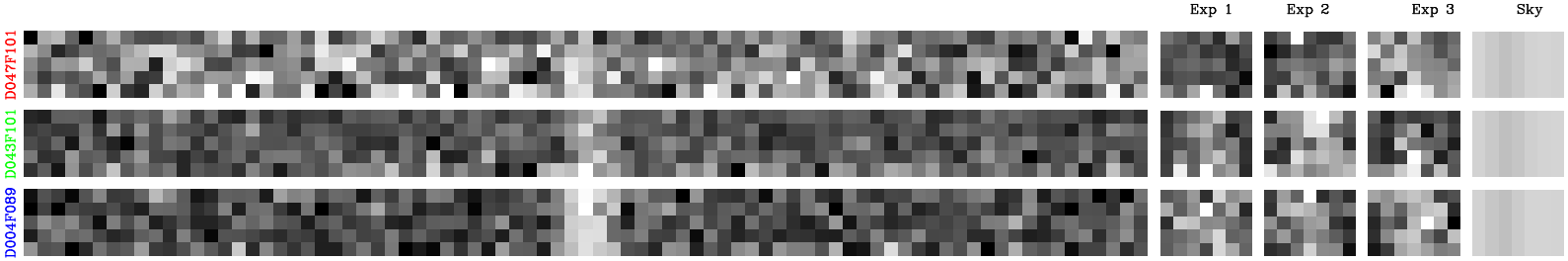


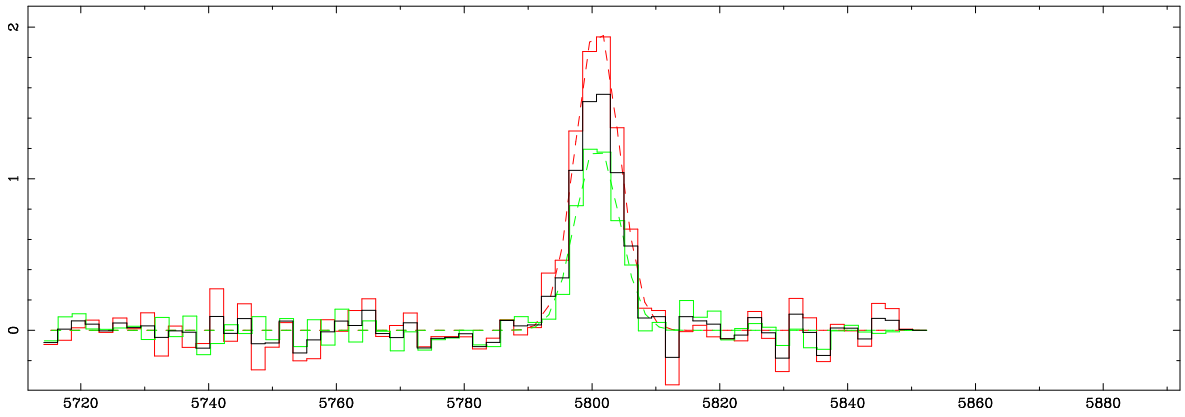
S/N = 19.19
$FWHM_{obs}$ = 7.39Å
λ_{obs} = 4926.03Å
EW_{obs} = 112.54Å
α_{2000} = 189.2120°
δ_{2000} = 62.2156°





S/N = 14.36
$FWHM_{obs}$ = 6.66Å
λ_{obs} = 4922.49Å
EW_{obs} = 73.33Å
α_{2000} = 189.2418°
δ_{2000} = 62.2172°





$S/N = 31.78$

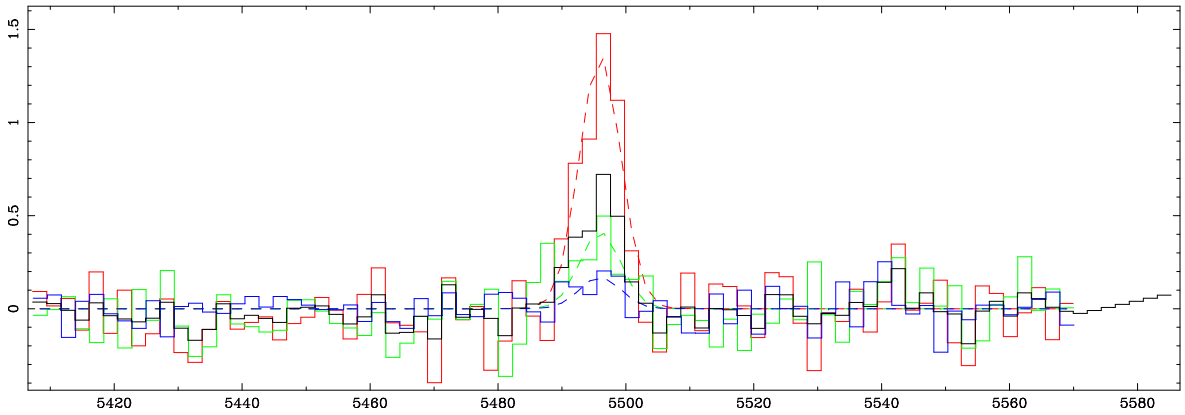
$FWHM_{obs} = 8.00$Å

$\lambda_{obs} = 5800.82$Å

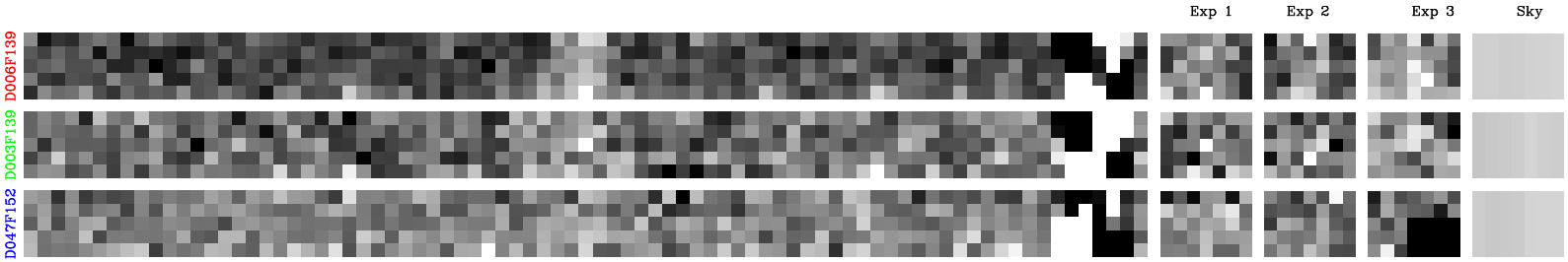
$EW_{obs} = 66.32$Å

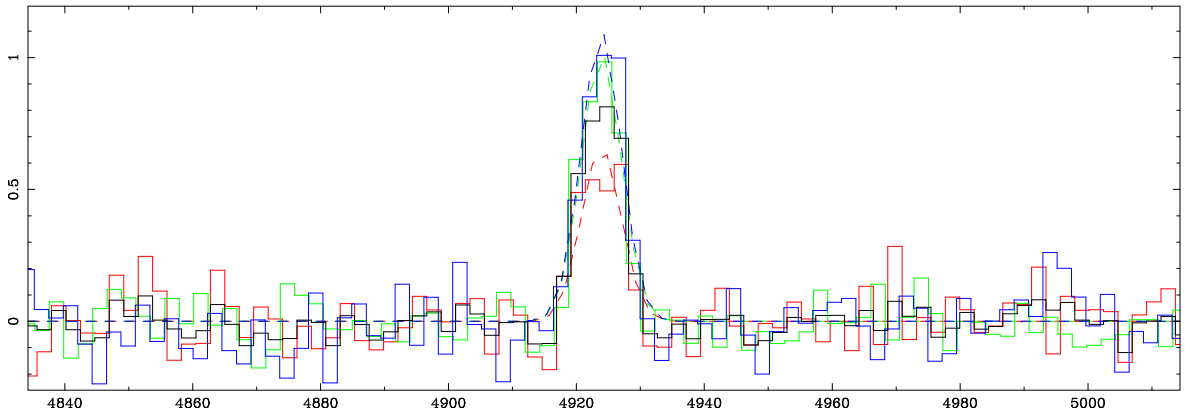
$\alpha_{2000} = 189.1836°$

$\delta_{2000} = 62.2138°$



S/N = 13.76
$FWHM_{obs}$ = 7.58Å
λ_{obs} = 5495.97Å
EW_{obs} = 65.55Å
α_{2000} = 189.2099°
δ_{2000} = 62.2112°





$S/N = 22.54$

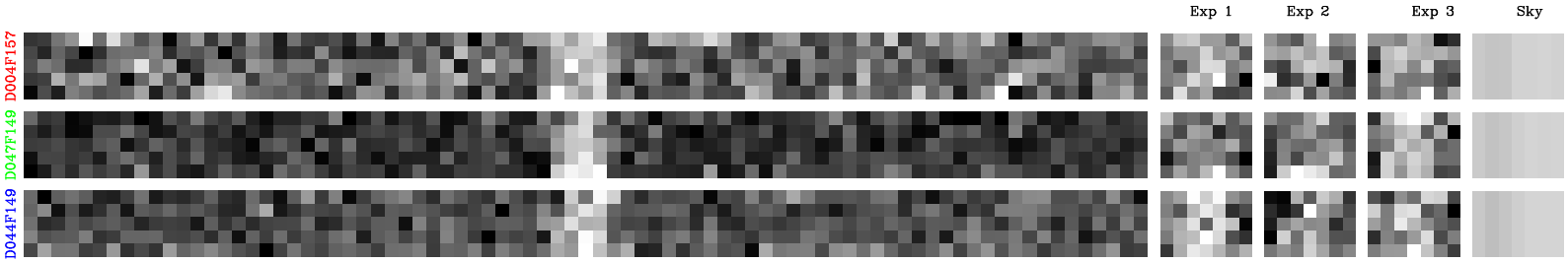
$FWHM_{obs} = 7.36Å$

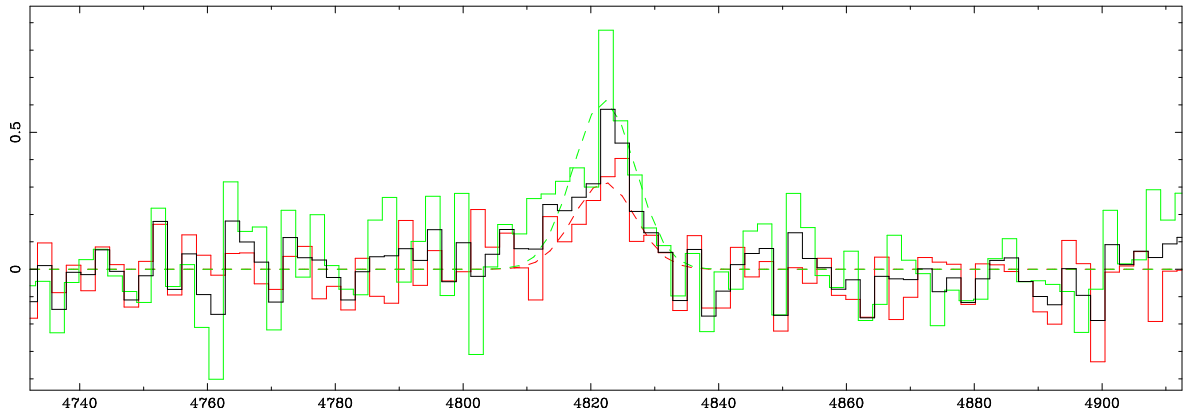
$\lambda_{obs} = 4923.88Å$

$EW_{obs} = 62.70Å$

$\alpha_{2000} = 189.1963°$

$\delta_{2000} = 62.2102°$





$S/N = 8.29$

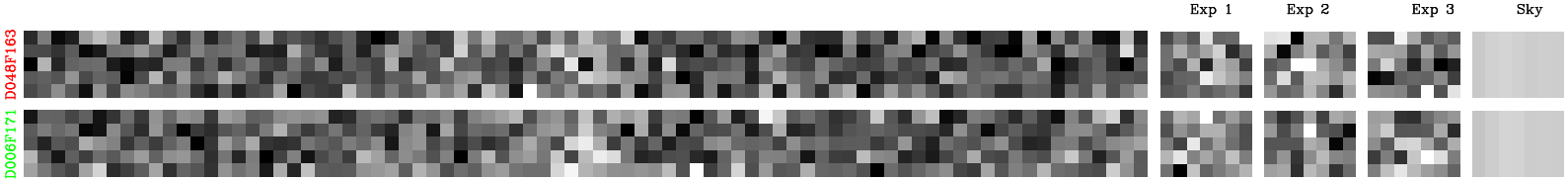
$FWHM_{obs} = 11.34$Å

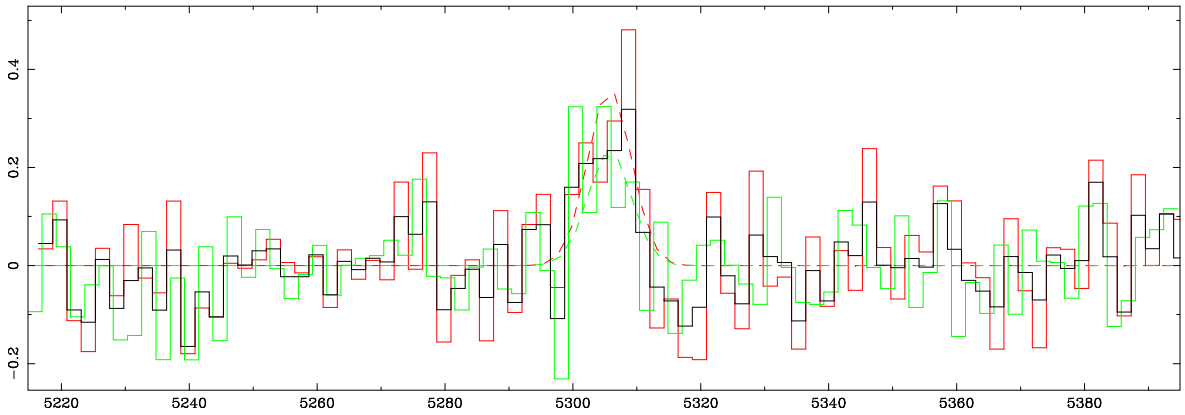
$\lambda_{obs} = 4822.11$Å

$EW_{obs} > 134.87$Å

$\alpha_{2000} = 189.1952°$

$\delta_{2000} = 62.2076°$





$S/N = 6.97$

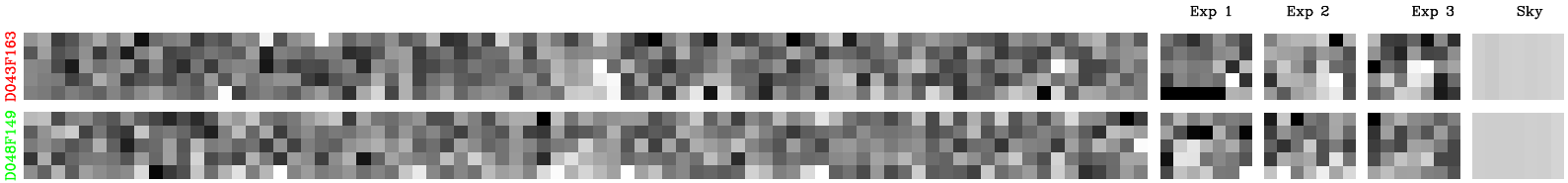
$FWHM_{obs} = 8.00$Å

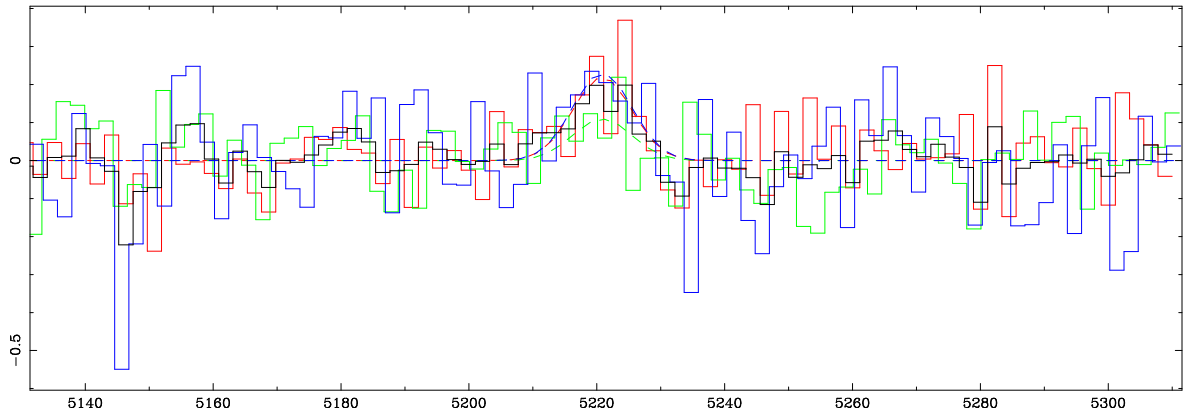
$\lambda_{obs} = 5305.73$Å

$EW_{obs} > 87.07$Å

$\alpha_{2000} = 189.1964°$

$\delta_{2000} = 62.2091°$





$S/N = 5.61$

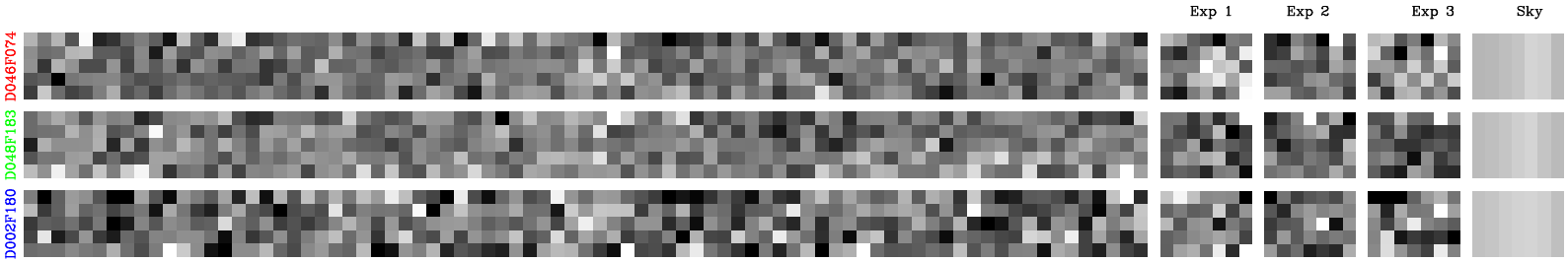
$FWHM_{obs} = 10.93Å$

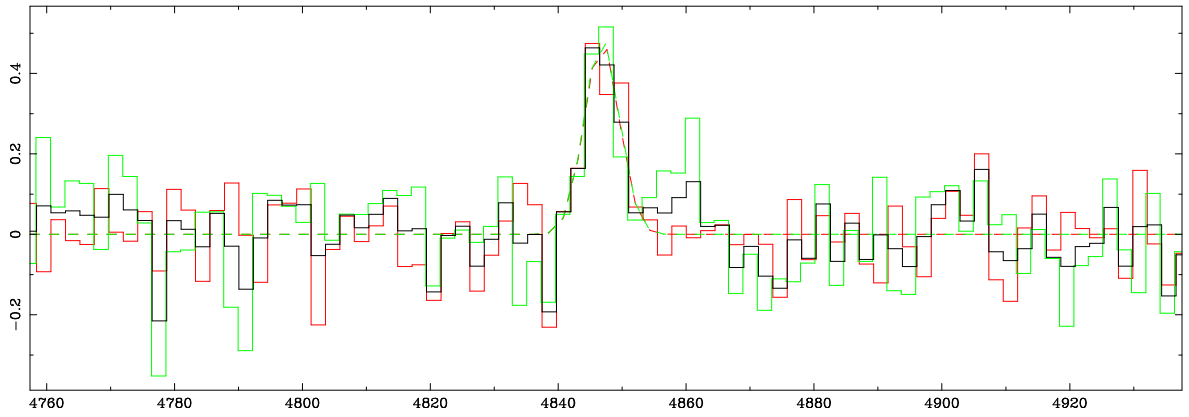
$\lambda_{obs} = 5220.86Å$

$EW_{obs} > 83.92Å$

$\alpha_{2000} = 189.2194°$

$\delta_{2000} = 62.2060°$





S/N = 7.90

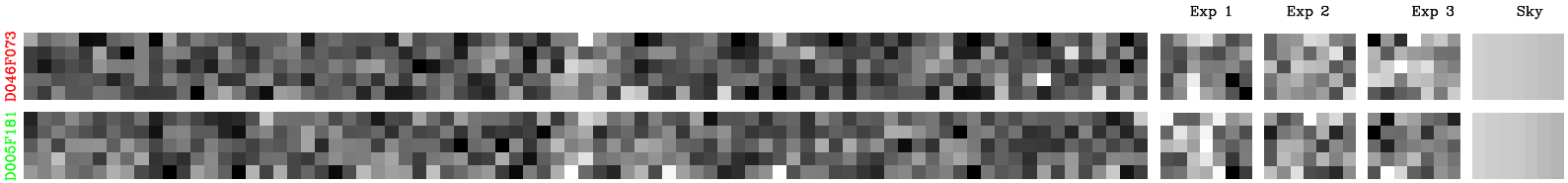
$FWHM_{obs}$ = 6.38Å

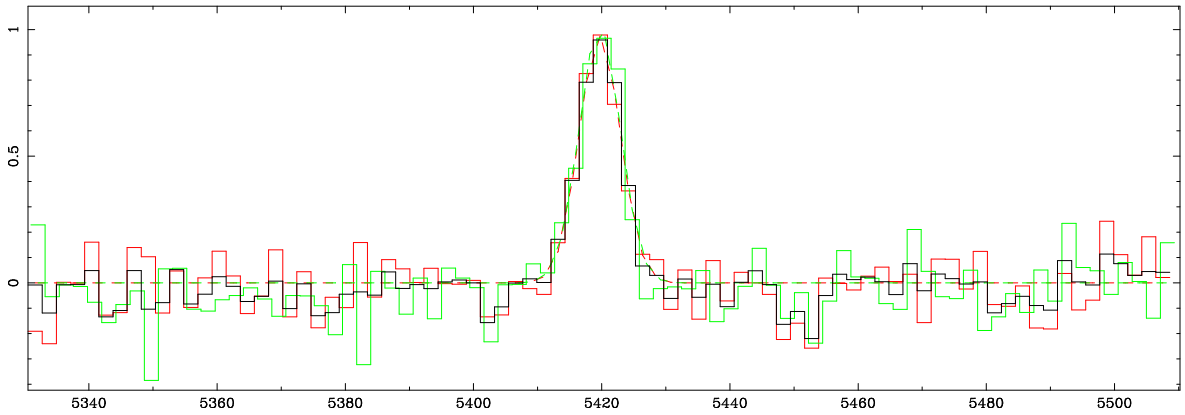
λ_{obs} = 4846.82Å

EW_{obs} = 41.80Å

α_{2000} = 189.2157°

δ_{2000} = 62.2063°





$S/N = 17.79$

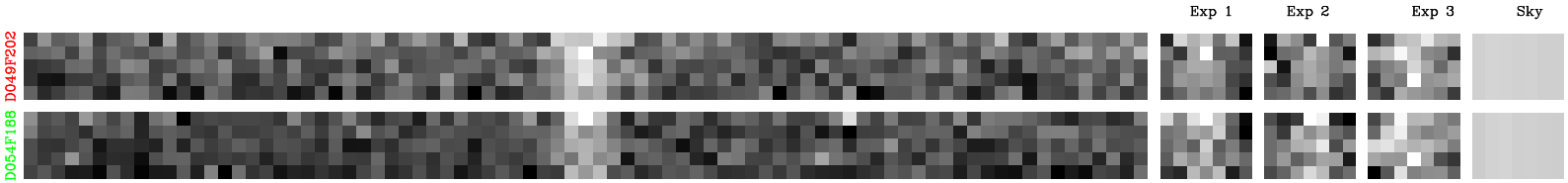
$FWHM_{obs} = 7.53Å$

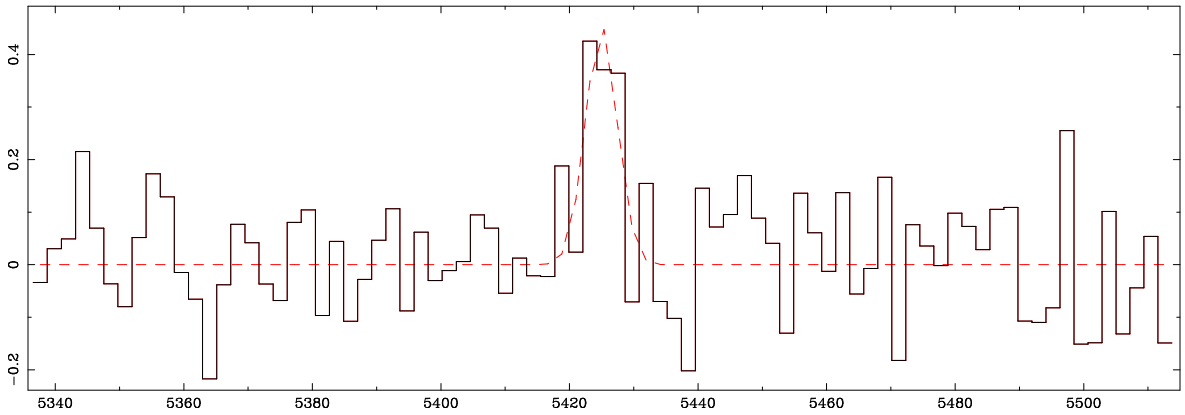
$\lambda_{obs} = 5419.69Å$

$EW_{obs} = 38.71Å$

$\alpha_{2000} = 189.1781°$

$\delta_{2000} = 62.2046°$





S/N = 6.10

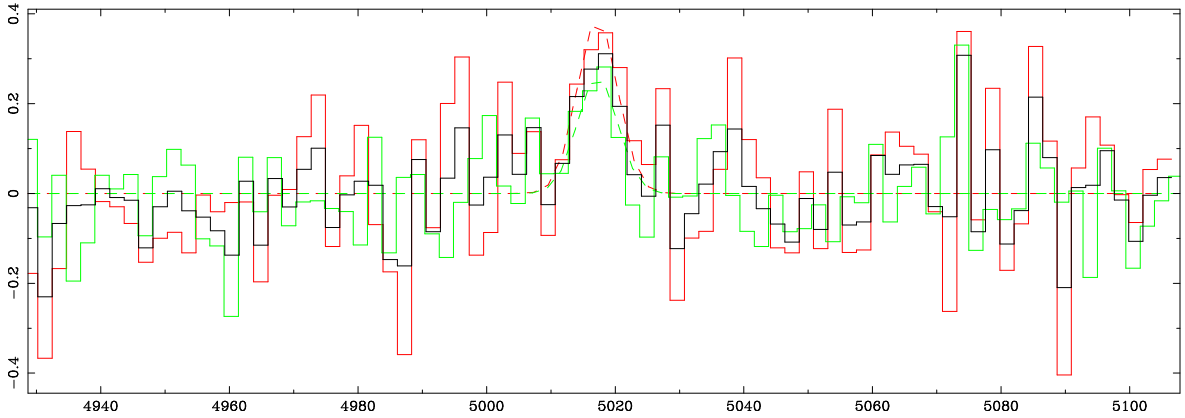
$FWHM_{obs}$ = 5.81Å

λ_{obs} = 5424.96Å

EW_{obs} > 62.01Å

α_{2000} = 189.1884°

δ_{2000} = 62.2003°



S/N = 5.78

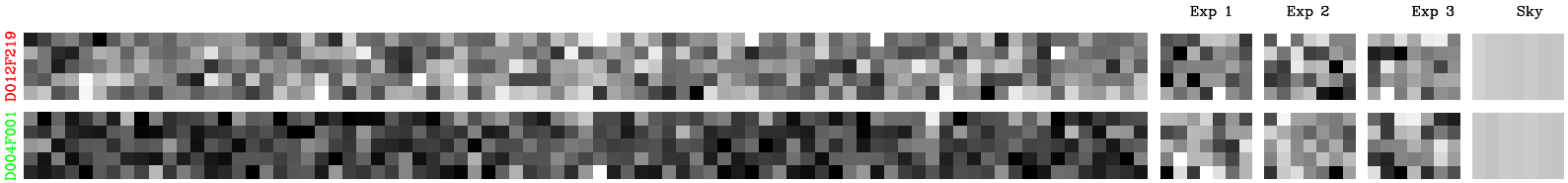
$FWHM_{obs}$ = 7.32Å

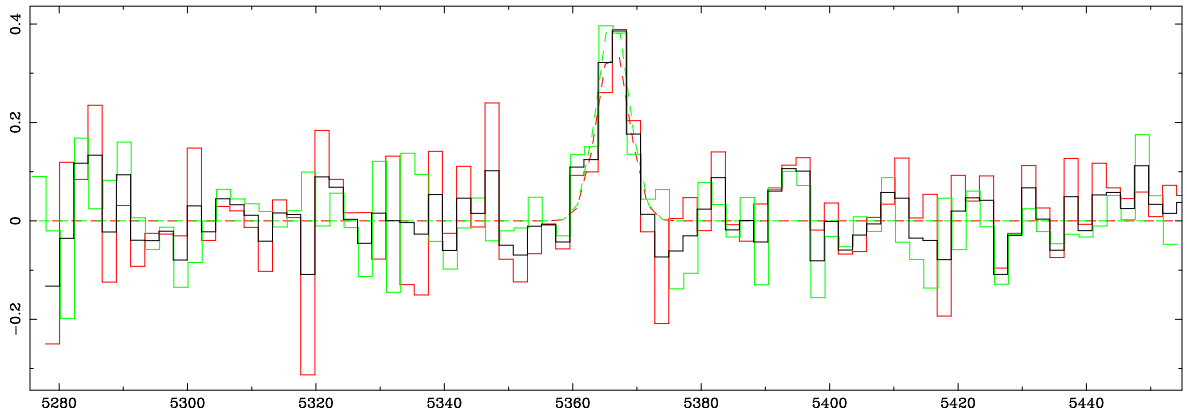
λ_{obs} = 5017.23Å

EW_{obs} > 64.34Å

α_{2000} = 189.2474°

δ_{2000} = 62.2285°





S/N = 6.89

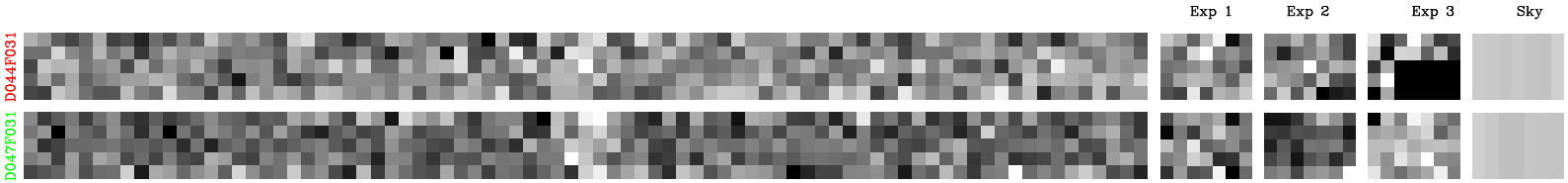
$FWHM_{obs}$ = 5.78Å

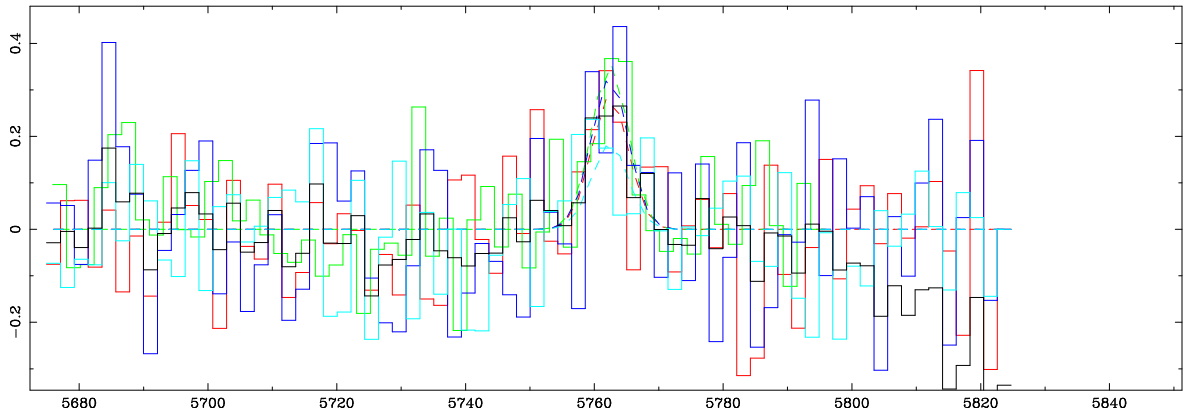
λ_{obs} = 5366.26Å

EW_{obs} = 40.90Å

α_{2000} = 189.1883°

δ_{2000} = 62.2244°





S/N = 6.50

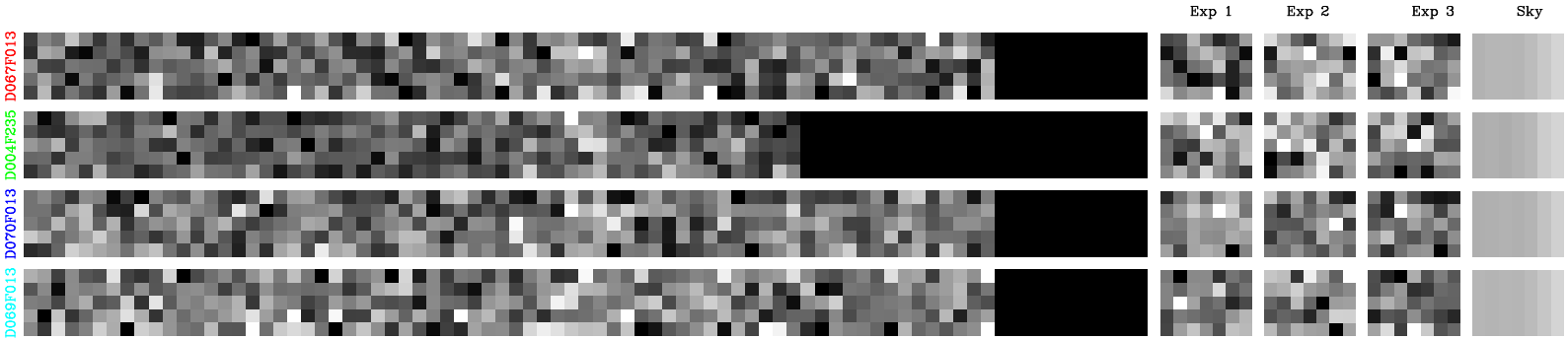
$FWHM_{obs}$ = 6.70Å

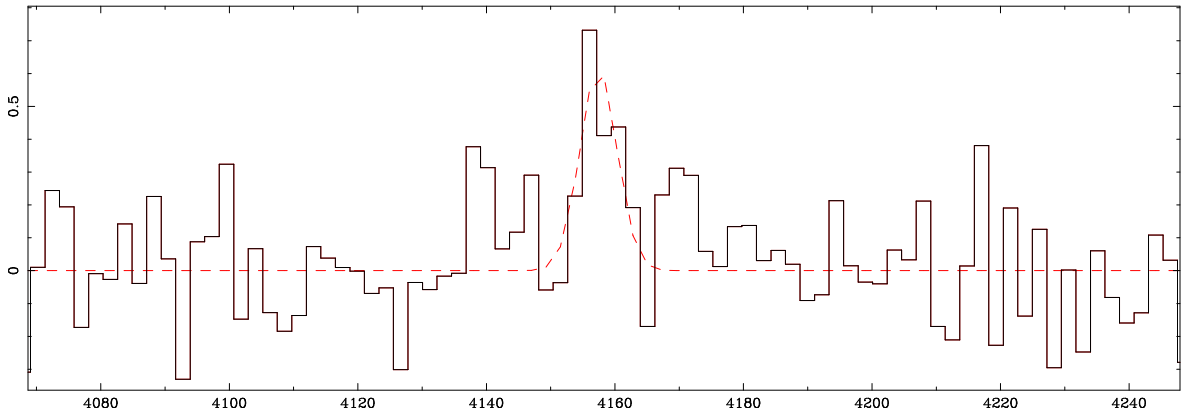
λ_{obs} = 5762.41Å

EW_{obs} > 60.87Å

α_{2000} = 189.2369°

δ_{2000} = 62.1978°





$S/N = 5.03$

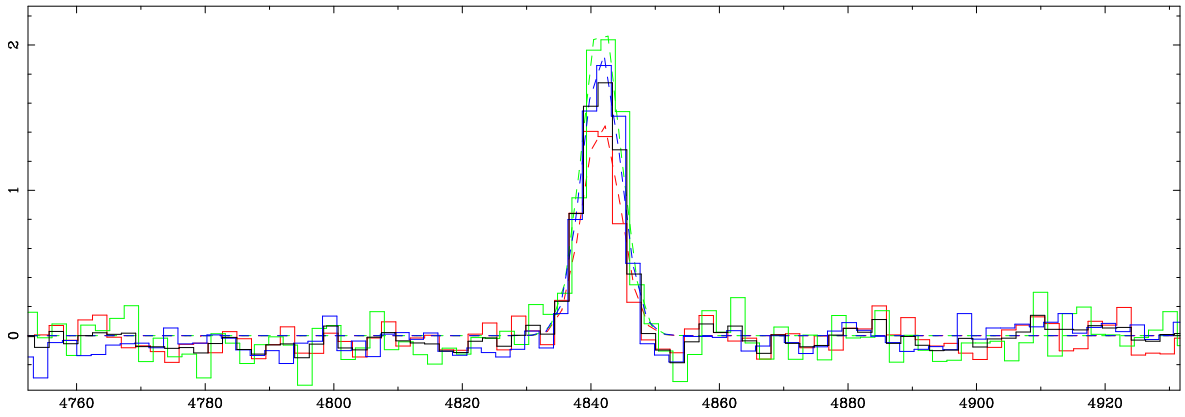
$FWHM_{obs} = 6.74$Å

$\lambda_{obs} = 4157.45$Å

$EW_{obs} > 55.79$Å

$\alpha_{2000} = 189.2289°$

$\delta_{2000} = 62.2285°$



$S/N = 38.11$

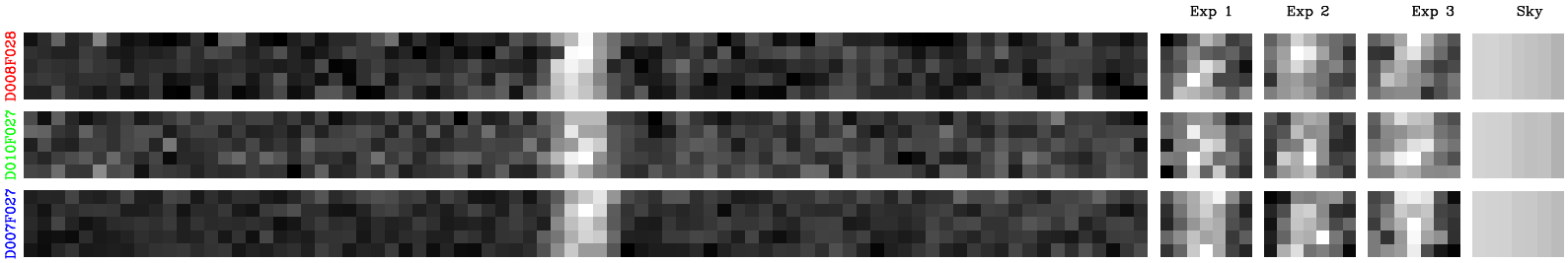
$FWHM_{obs} = 6.98Å$

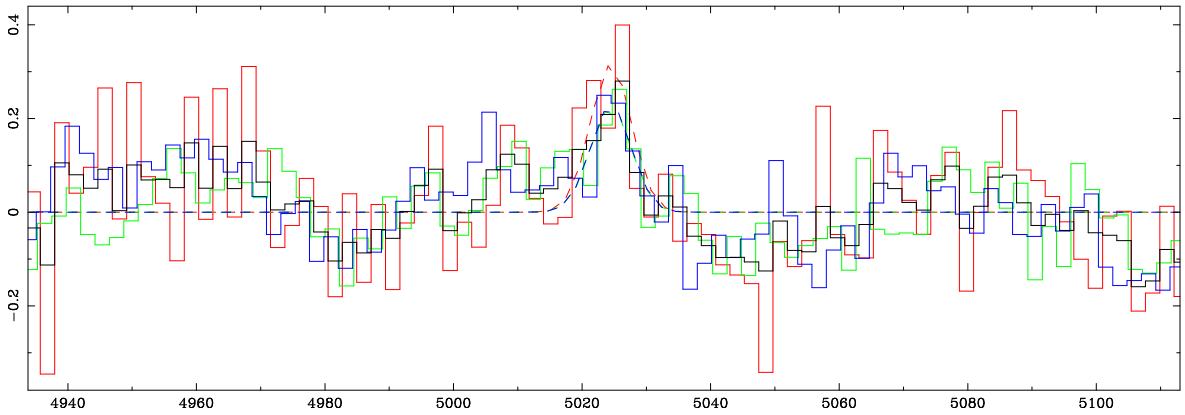
$\lambda_{obs} = 4841.60Å$

$EW_{obs} = 45.09Å$

$\alpha_{2000} = 189.2987°$

$\delta_{2000} = 62.2540°$





$S/N = 6.23$

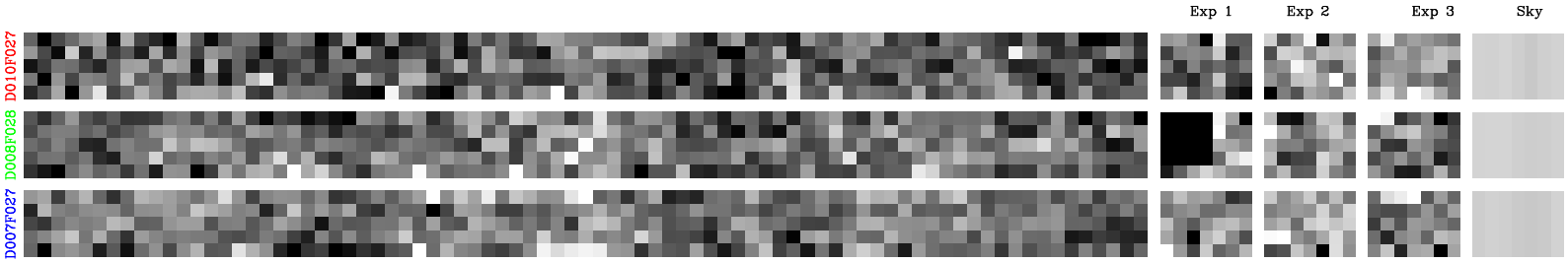
$FWHM_{obs} = 7.52Å$

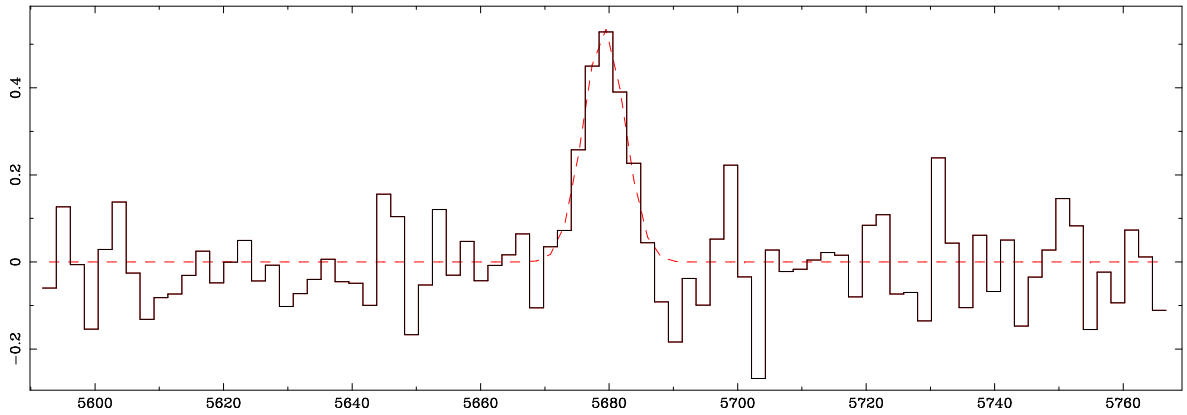
$\lambda_{obs} = 5024.50Å$

$EW_{obs} = 5.27Å$

$\alpha_{2000} = 189.2987°$

$\delta_{2000} = 62.2540°$





S/N = 8.29

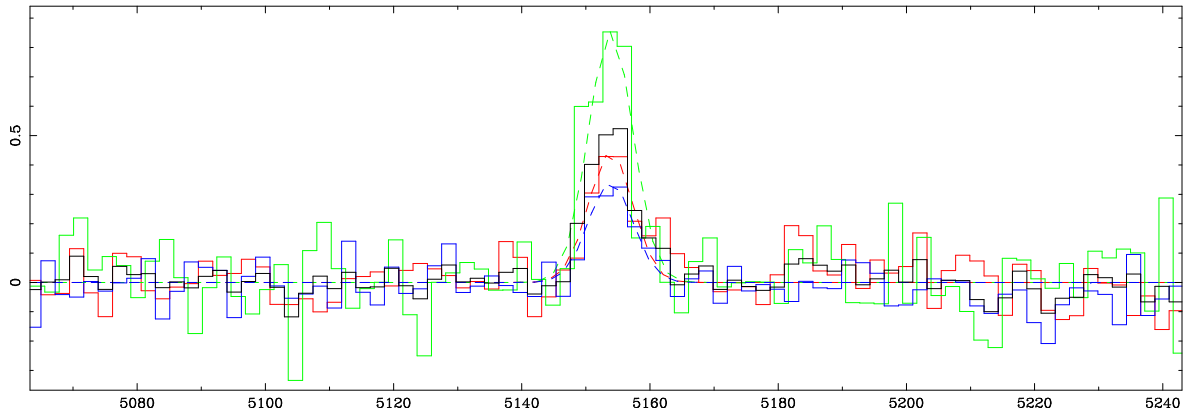
$FWHM_{obs}$ = 7.52Å

λ_{obs} = 5679.22Å

EW_{obs} = 44.83Å

α_{2000} = 189.3063°

δ_{2000} = 62.2532°



$S/N = 14.57$

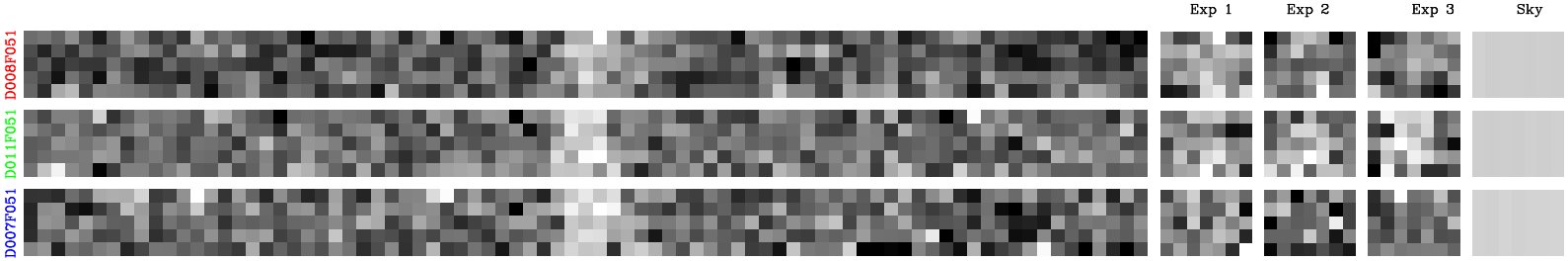
$FWHM_{obs} = 8.14$Å

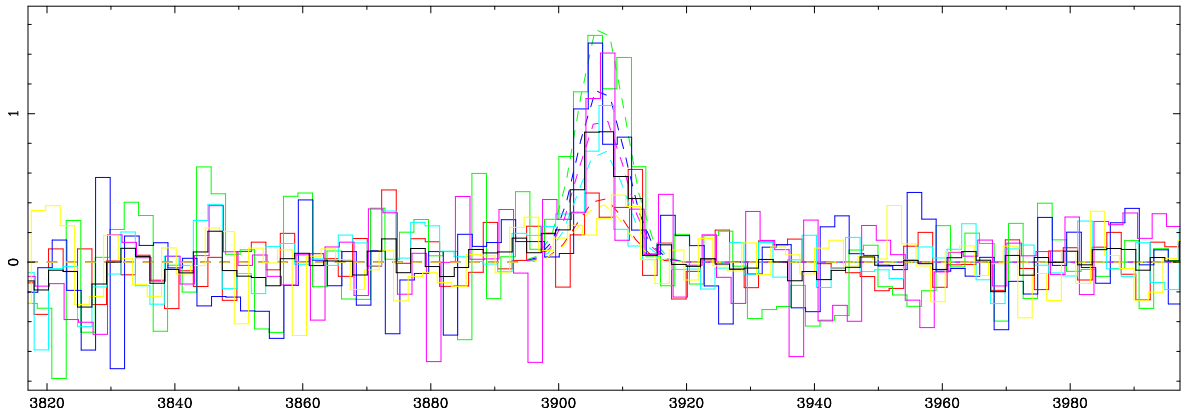
$\lambda_{obs} = 5153.87$Å

$EW_{obs} > 184.47$Å

$\alpha_{2000} = 189.2744°$

$\delta_{2000} = 62.2508°$





S/N = 12.37

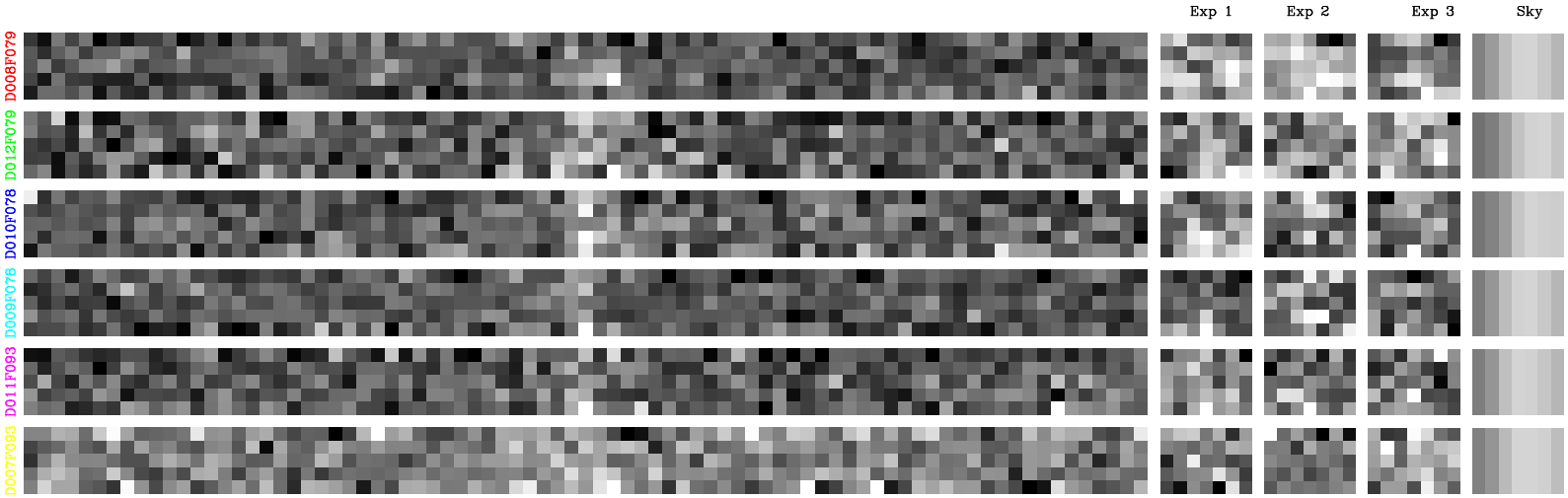
$FWHM_{obs}$ = 8.73Å

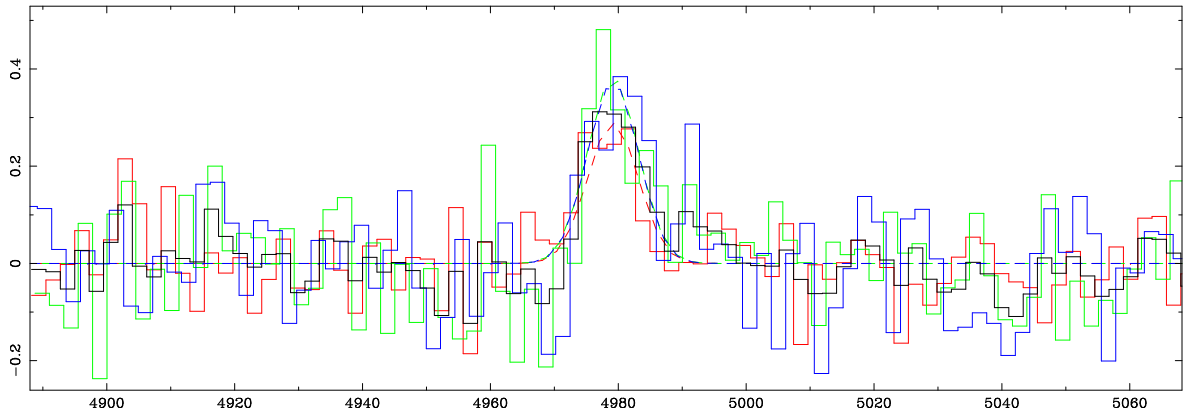
λ_{obs} = 3906.68Å

EW_{obs} > 163.03Å

α_{2000} = 189.2687°

δ_{2000} = 62.2463°





S/N = 9.20

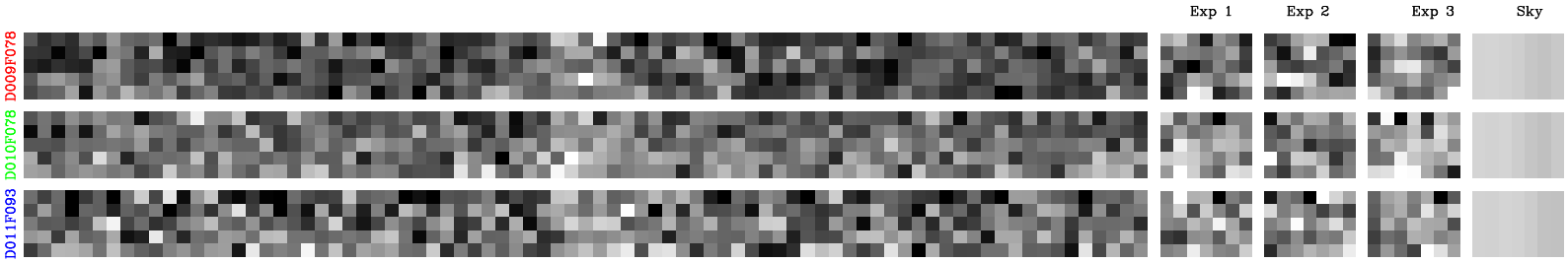
$FWHM_{obs}$ = 9.39Å

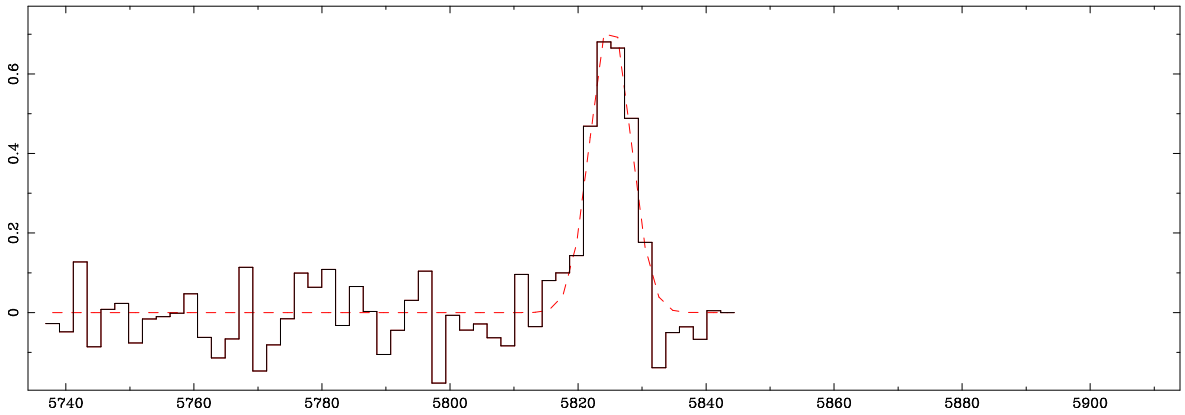
λ_{obs} = 4979.18Å

EW_{obs} > 126.63Å

α_{2000} = 189.2674°

δ_{2000} = 62.2463°





$S/N = 12.64$

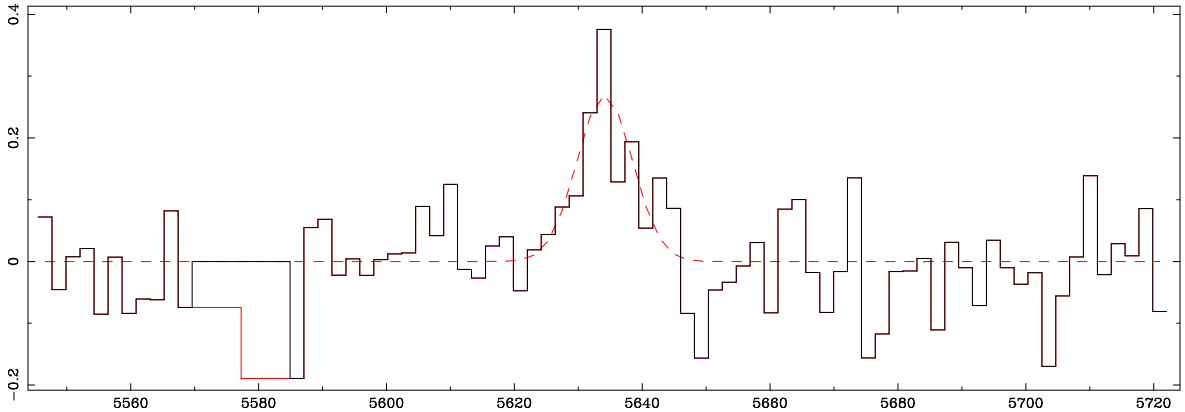
$FWHM_{obs} = 7.33Å$

$\lambda_{obs} = 5825.08Å$

$EW_{obs} = 104.19Å$

$\alpha_{2000} = 189.2843°$

$\delta_{2000} = 62.2486°$



S/N = 5.36

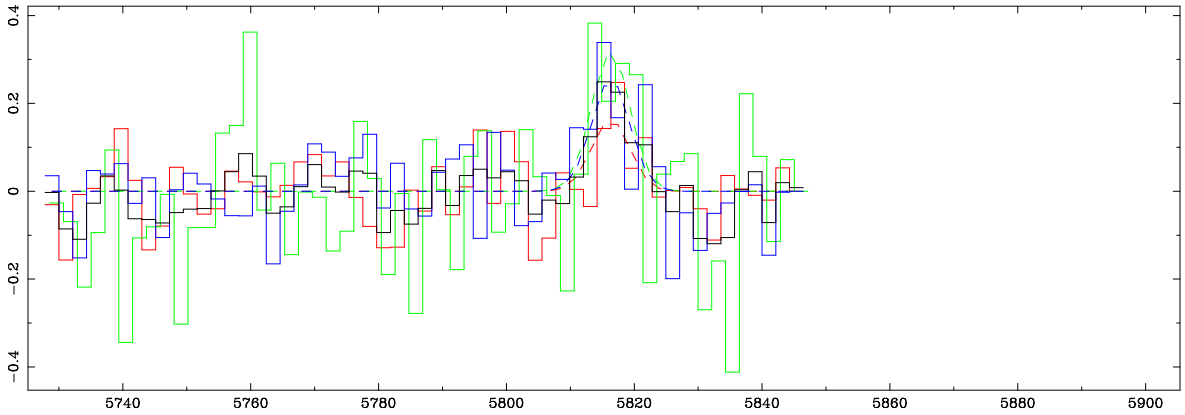
$FWHM_{obs}$ = 10.18Å

λ_{obs} = 5634.16Å

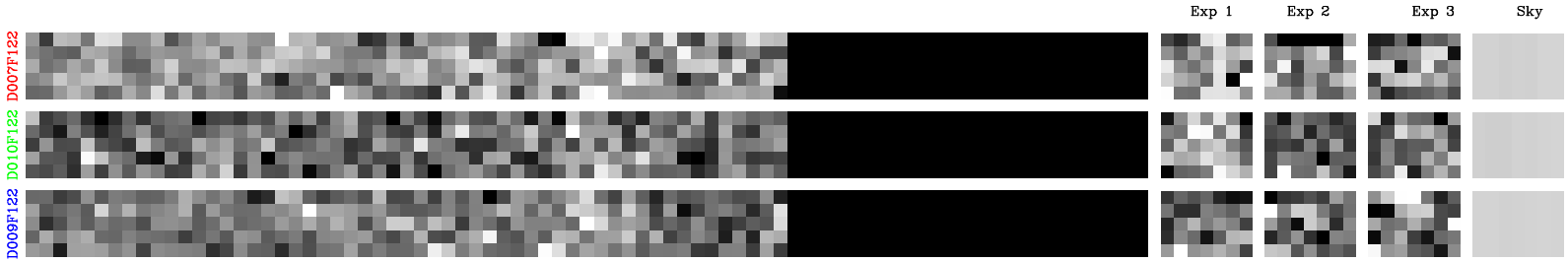
EW_{obs} = 20.63Å

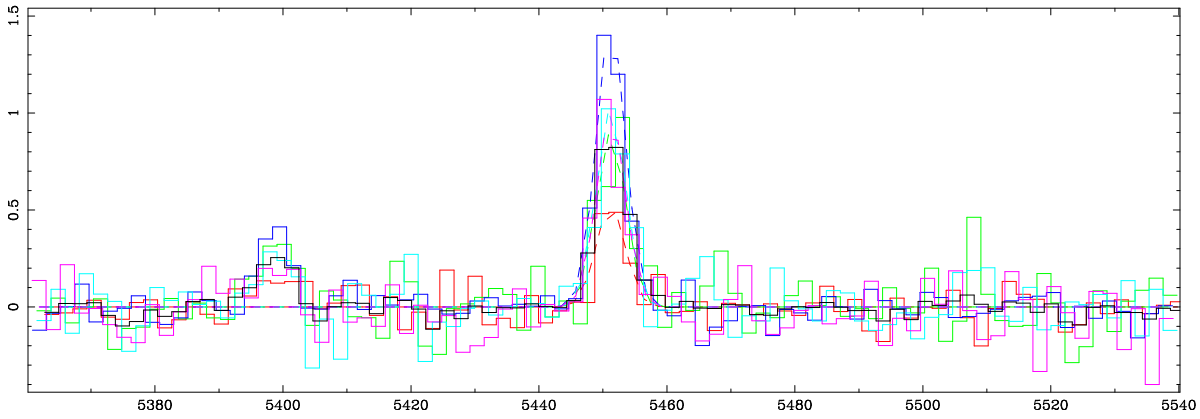
α_{2000} = 189.2449°

δ_{2000} = 62.2441°



S/N = 5.71
$FWHM_{obs}$ = 7.03Å
λ_{obs} = 5816.31Å
EW_{obs} > 50.31Å
α_{2000} = 189.2691°
δ_{2000} = 62.2415°





S/N = 21.91

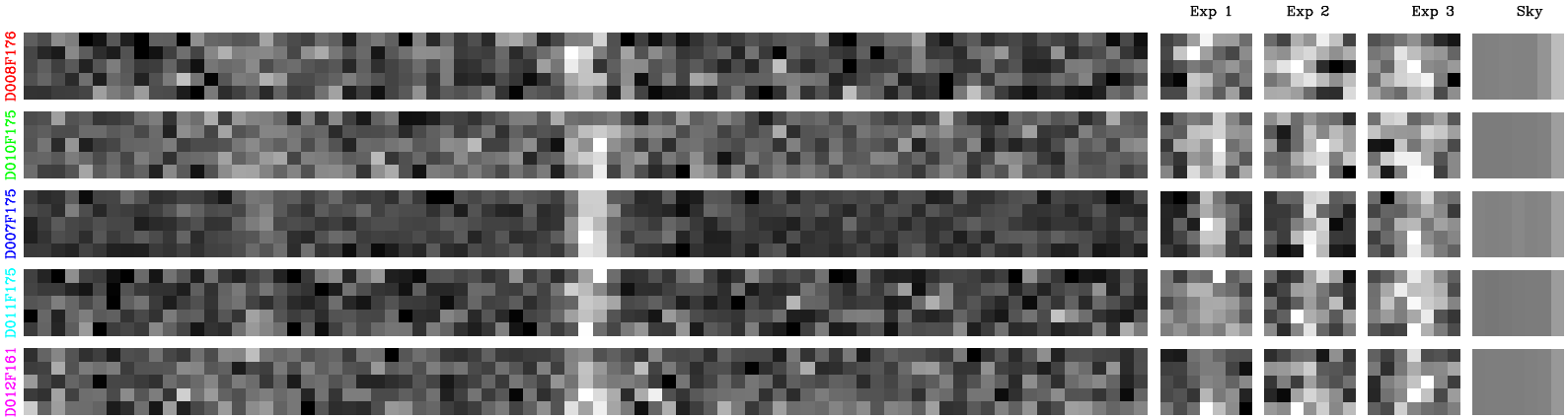
$FWHM_{obs}$ = 5.39Å

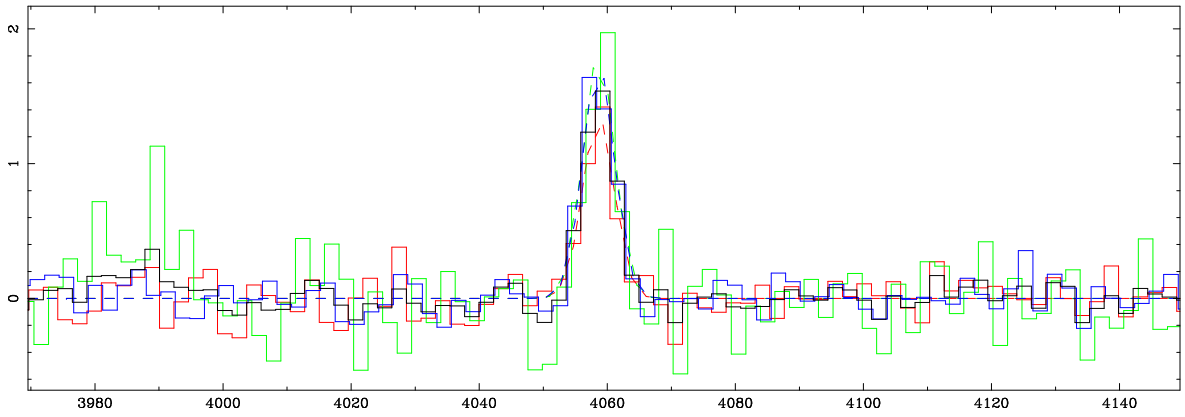
λ_{obs} = 5451.23Å

EW_{obs} = 18.06Å

α_{2000} = 189.2470°

δ_{2000} = 62.2351°





S/N = 15.93

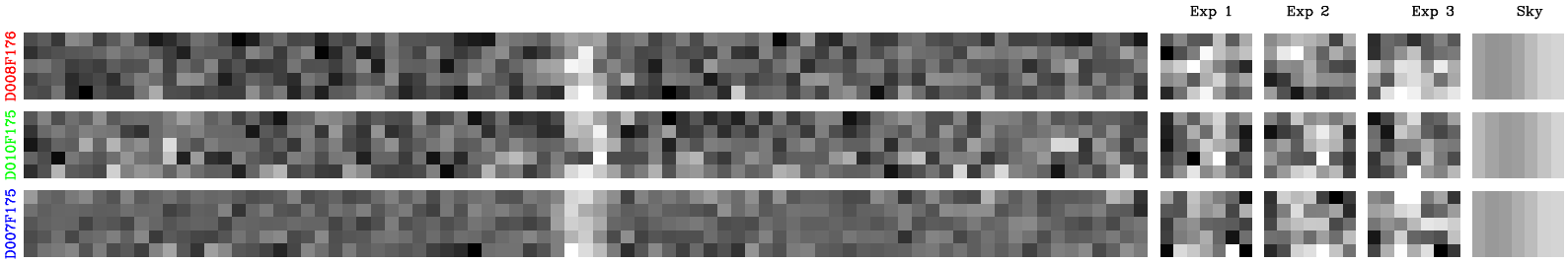
$FWHM_{obs}$ = 5.83Å

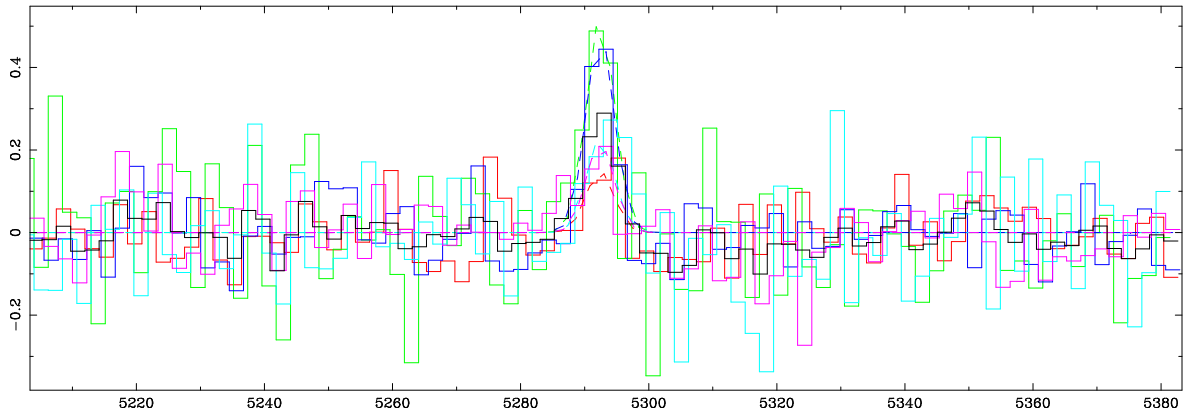
λ_{obs} = 4058.64Å

EW_{obs} = 23.44Å

α_{2000} = 189.2479°

δ_{2000} = 62.2347°





S/N = 8.02

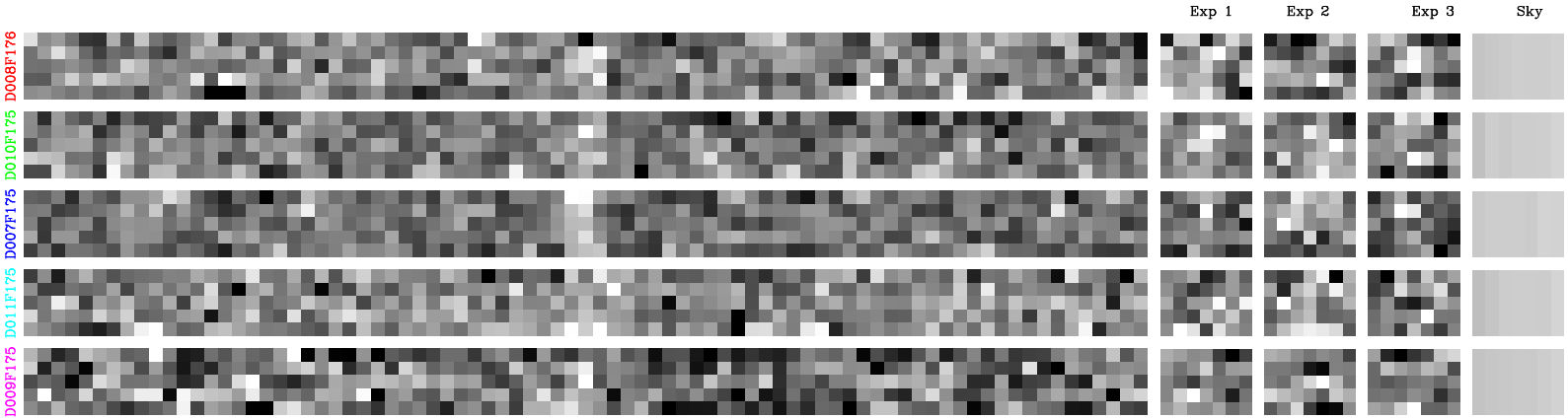
$FWHM_{obs}$ = 5.20Å

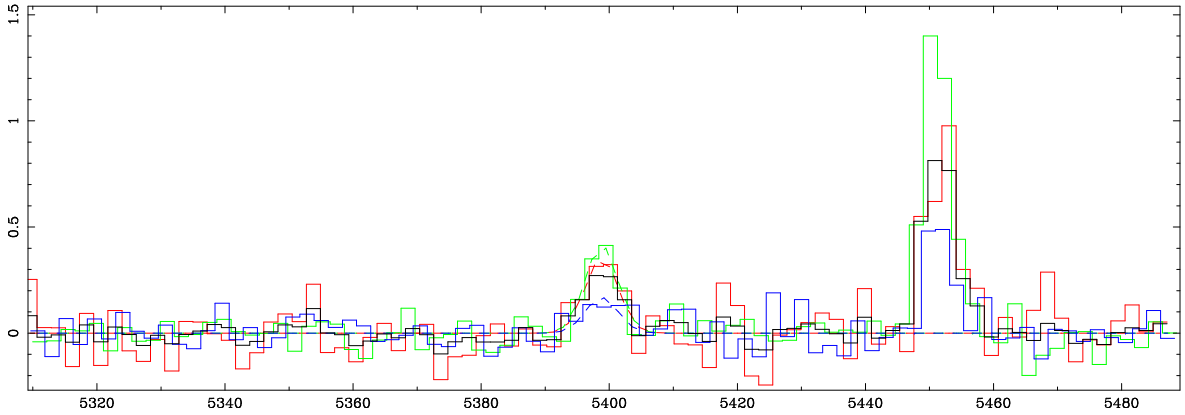
λ_{obs} = 5292.42Å

EW_{obs} = 5.35Å

α_{2000} = 189.2470°

δ_{2000} = 62.2348°





S/N = 7.44

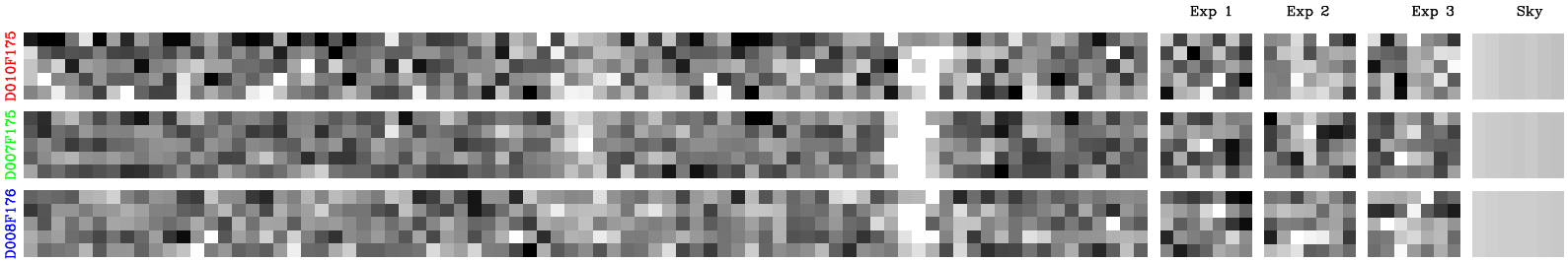
$FWHM_{obs}$ = 6.05Å

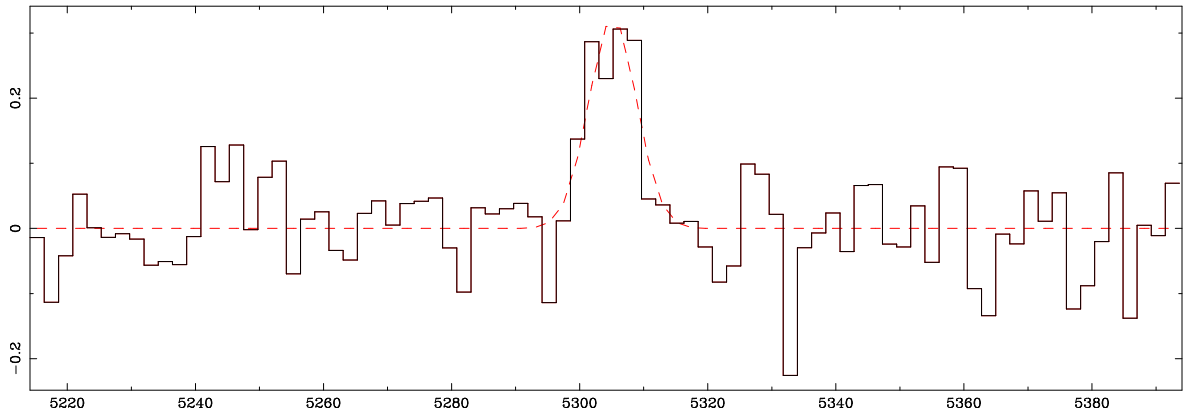
λ_{obs} = 5398.80Å

EW_{obs} = 4.62Å

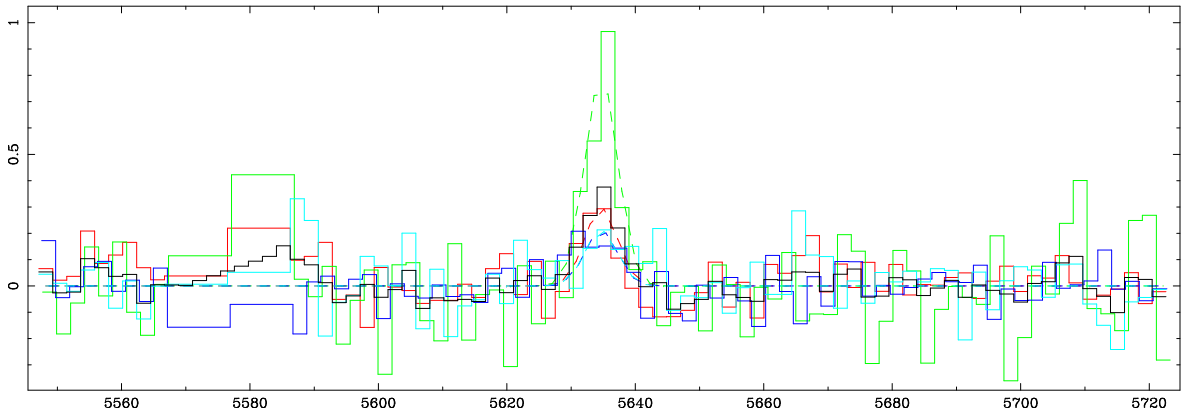
α_{2000} = 189.2475°

δ_{2000} = 62.2348°





S/N = 6.63
$FWHM_{obs}$ = 8.77Å
λ_{obs} = 5305.17Å
EW_{obs} = 18.82Å
α_{2000} = 189.2513°
δ_{2000} = 62.2352°



$S/N = 9.56$

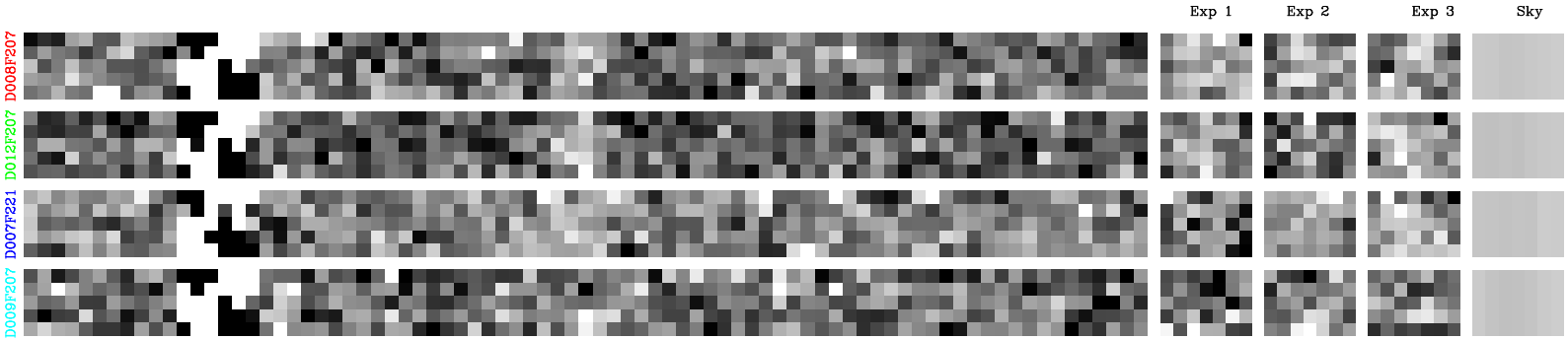
$FWHM_{obs} = 6.05Å$

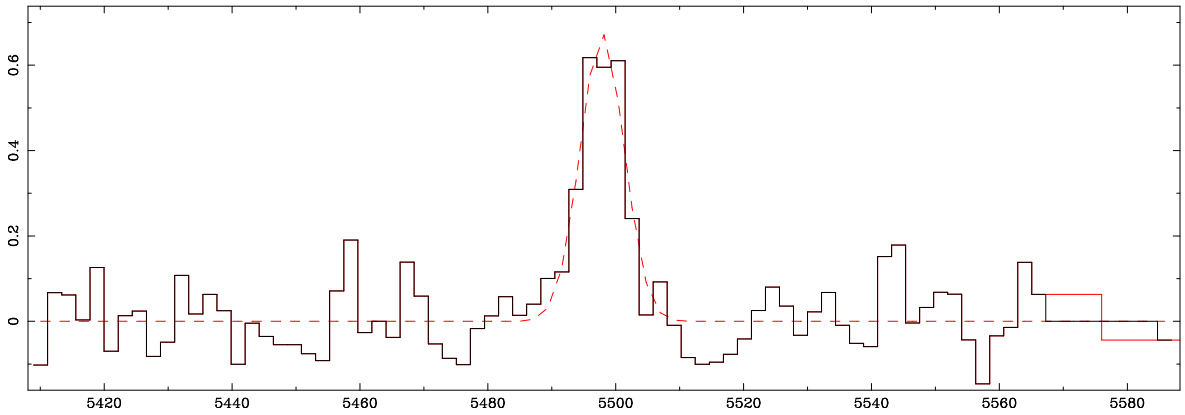
$\lambda_{obs} = 5634.68Å$

$EW_{obs} > 93.74Å$

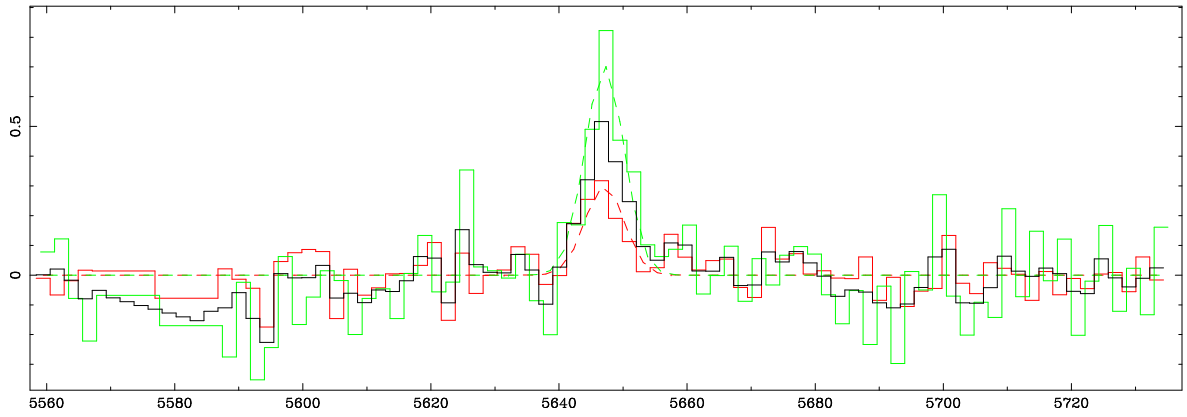
$\alpha_{2000} = 189.2582°$

$\delta_{2000} = 62.2304°$





S/N = 12.83
$FWHM_{obs}$ = 8.08Å
λ_{obs} = 5497.88Å
EW_{obs} = 103.05Å
α_{2000} = 189.2667°
δ_{2000} = 62.2451°



S/N = 8.52

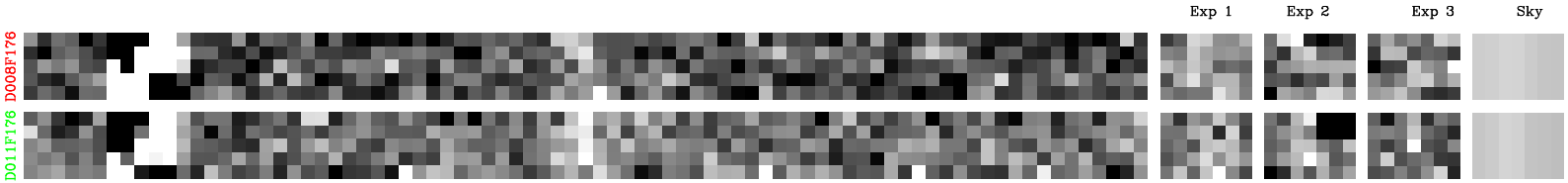
$FWHM_{obs}$ = 7.21Å

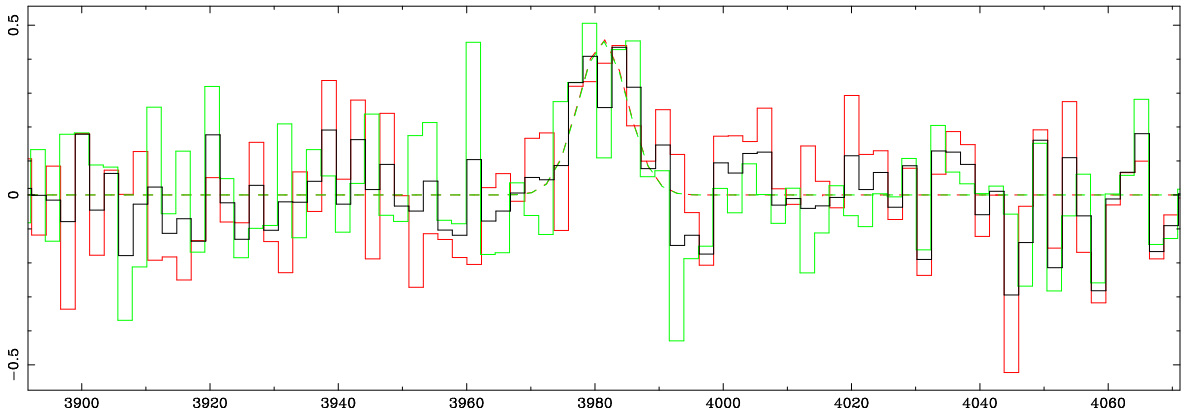
λ_{obs} = 5647.11Å

EW_{obs} = 24.42Å

α_{2000} = 189.2494°

δ_{2000} = 62.2350°





S/N = 5.57

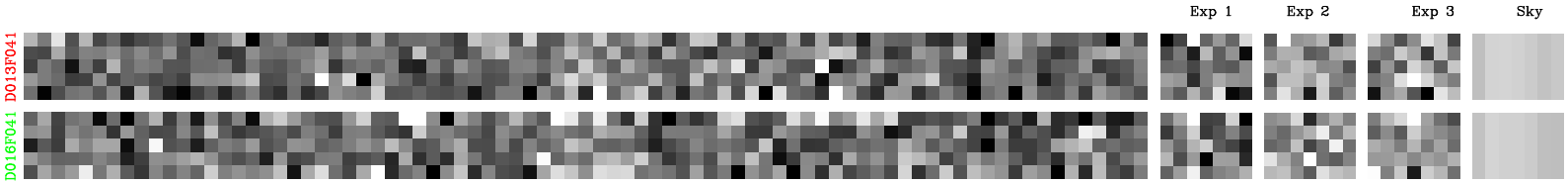
$FWHM_{obs}$ = 9.03Å

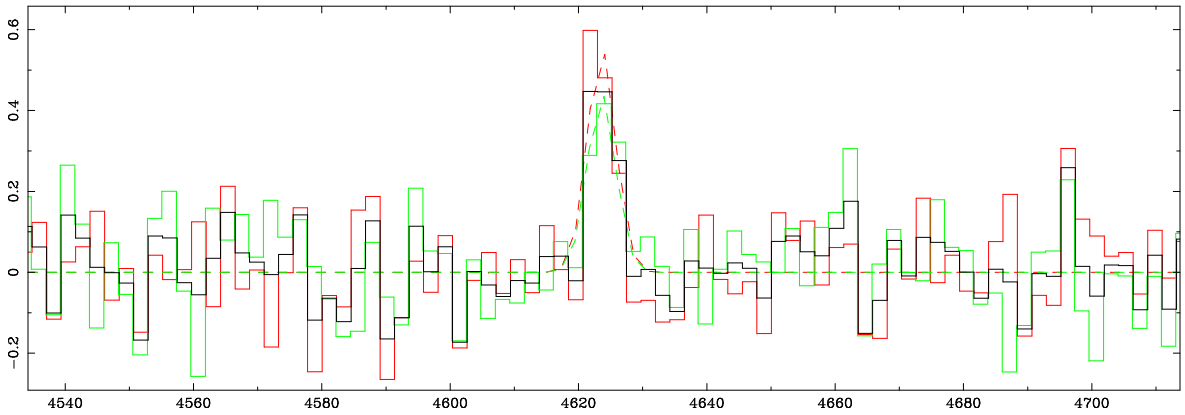
λ_{obs} = 3981.25Å

EW_{obs} > 70.67Å

α_{2000} = 189.2958°

δ_{2000} = 62.1947°





S/N = 5.98

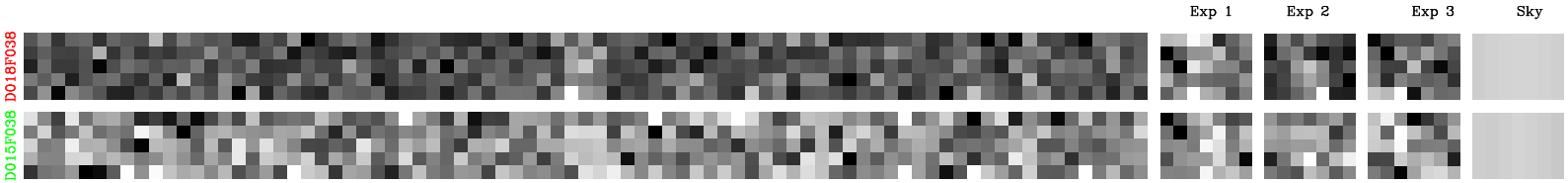
$FWHM_{obs}$ = 5.20Å

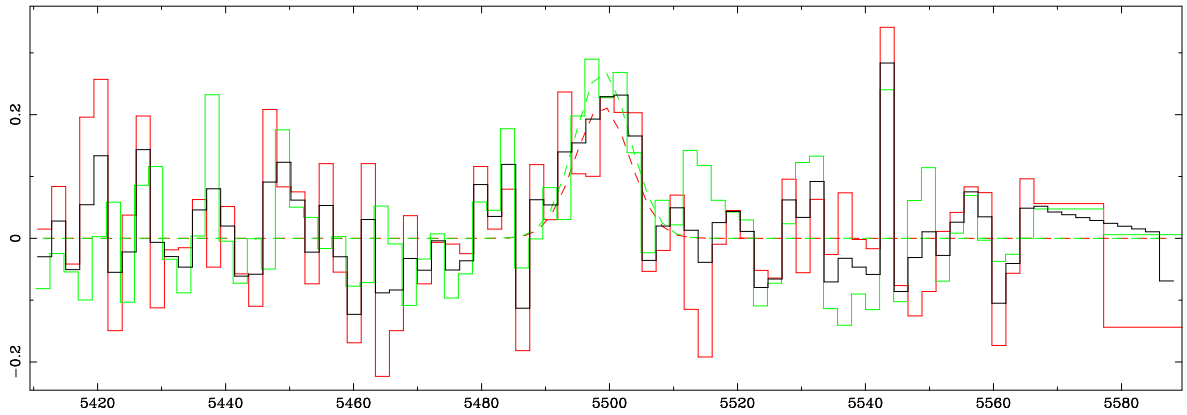
λ_{obs} = 4623.58Å

EW_{obs} > 62.36Å

α_{2000} = 189.2814°

δ_{2000} = 62.1940°





S/N = 5.87

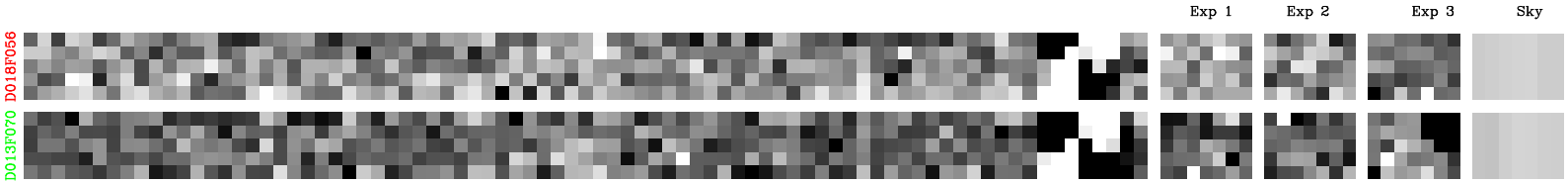
$FWHM_{obs}$ = 10.07Å

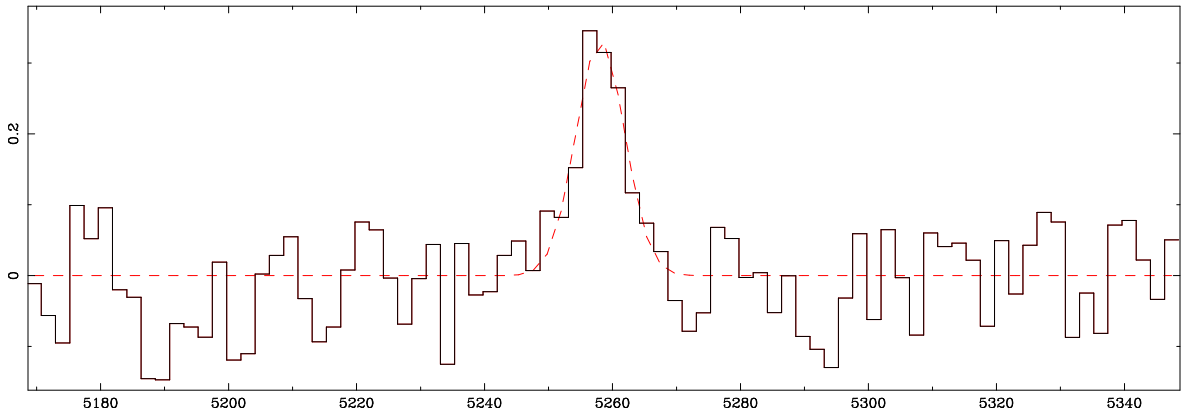
λ_{obs} = 5498.91Å

EW_{obs} > 76.41Å

α_{2000} = 189.2955°

δ_{2000} = 62.1918°





S/N = 5.56

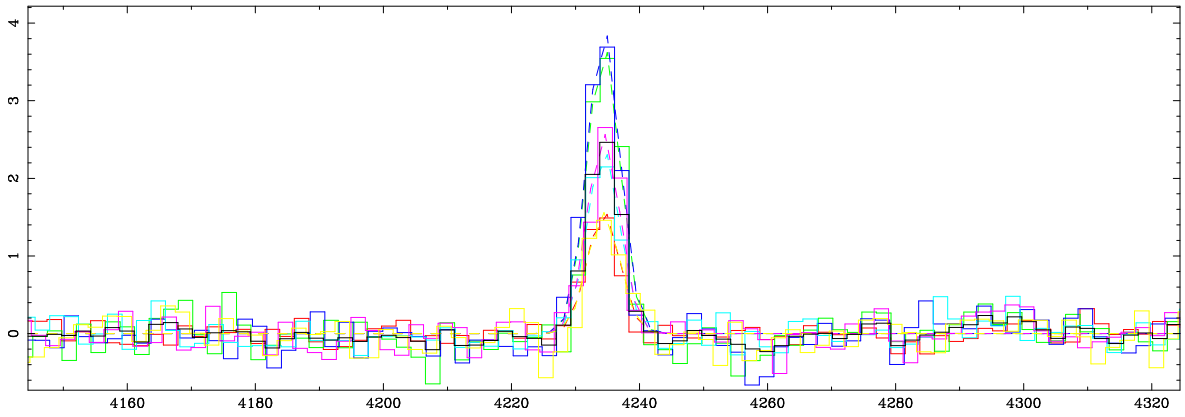
$FWHM_{obs}$ = 8.96Å

λ_{obs} = 5258.10Å

EW_{obs} > 71.71Å

α_{2000} = 189.2979°

δ_{2000} = 62.1915°



$S/N = 44.47$

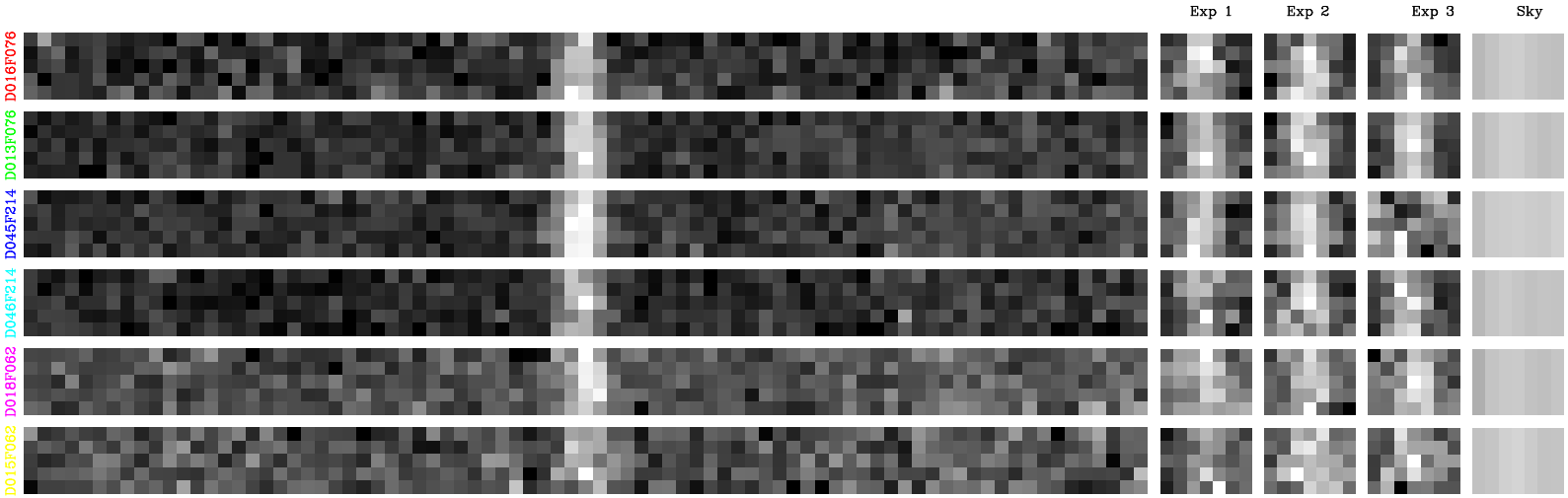
$FWHM_{obs} = 5.96$Å

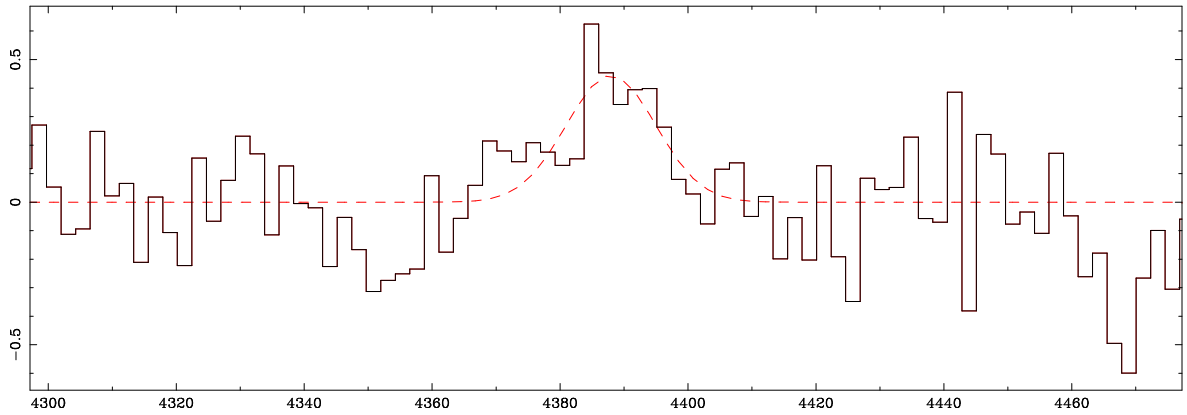
$\lambda_{obs} = 4234.39$Å

$EW_{obs} = 25.18$Å

$\alpha_{2000} = 189.2589°$

$\delta_{2000} = 62.1899°$





S/N = 6.75

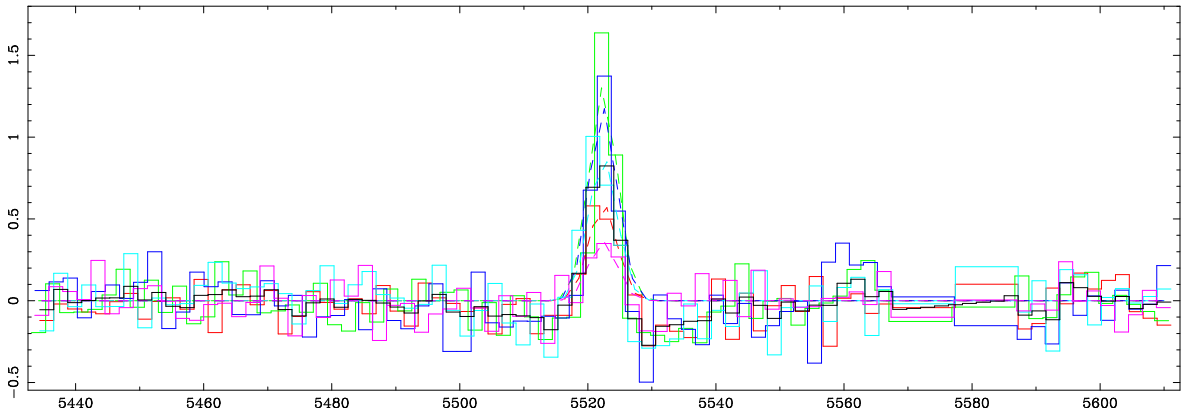
$FWHM_{obs}$ = 16.55Å

λ_{obs} = 4387.96Å

EW_{obs} = 8.70Å

α_{2000} = 189.2581°

δ_{2000} = 62.1899°



S/N = 16.55

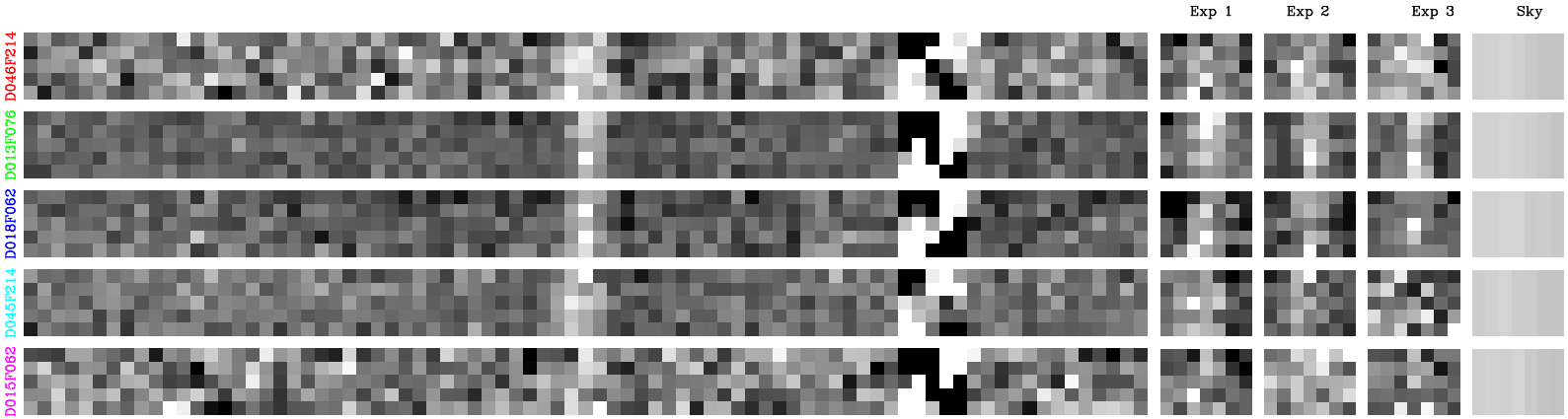
$FWHM_{obs}$ = 5.20Å

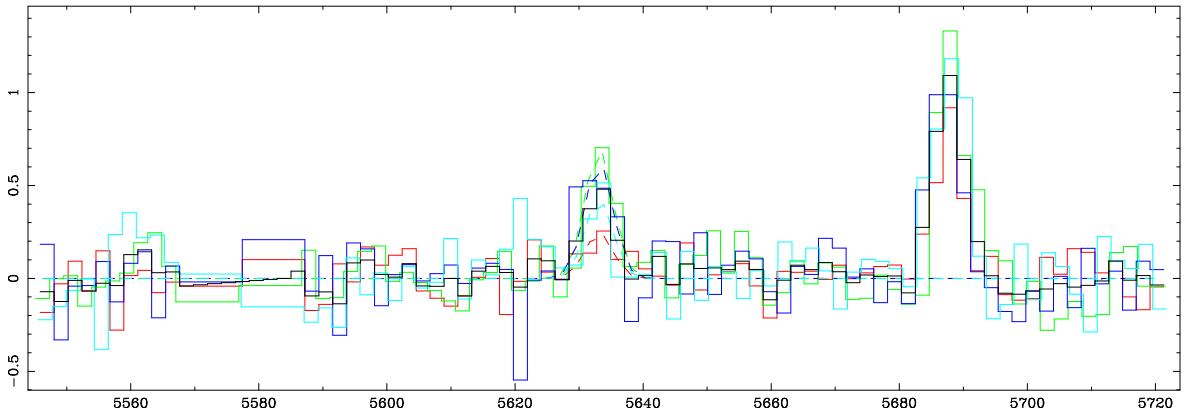
λ_{obs} = 5522.37Å

EW_{obs} = 5.02Å

α_{2000} = 189.2587°

δ_{2000} = 62.1901°





S/N = 9.29

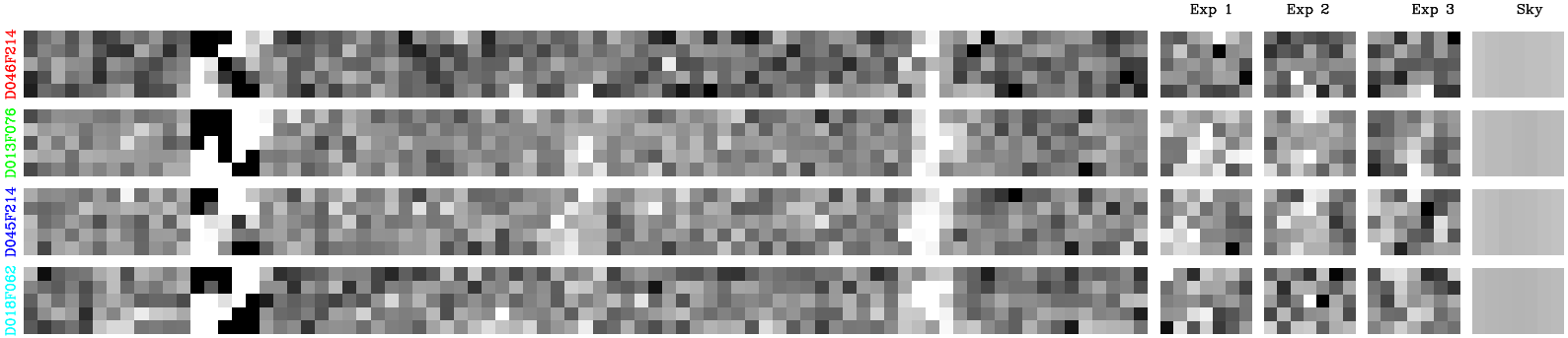
$FWHM_{obs}$ = 5.20Å

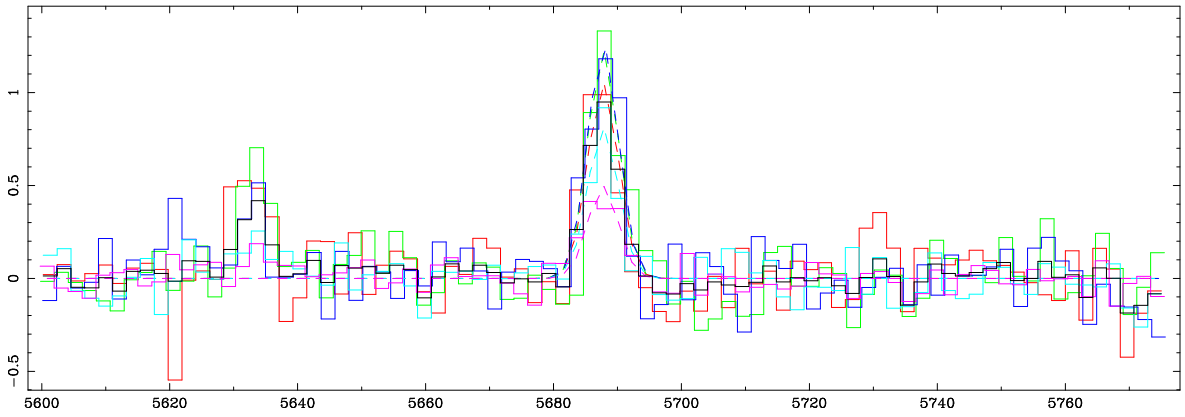
λ_{obs} = 5633.10Å

EW_{obs} = 2.65Å

α_{2000} = 189.2586°

δ_{2000} = 62.1900°





$S/N = 19.85$

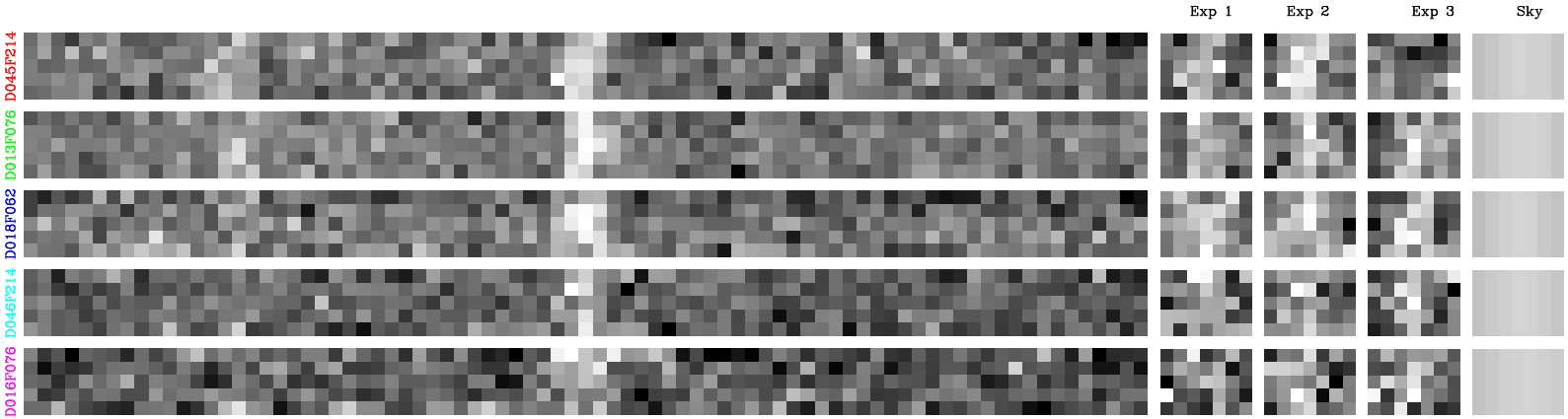
$FWHM_{obs} = 5.66Å$

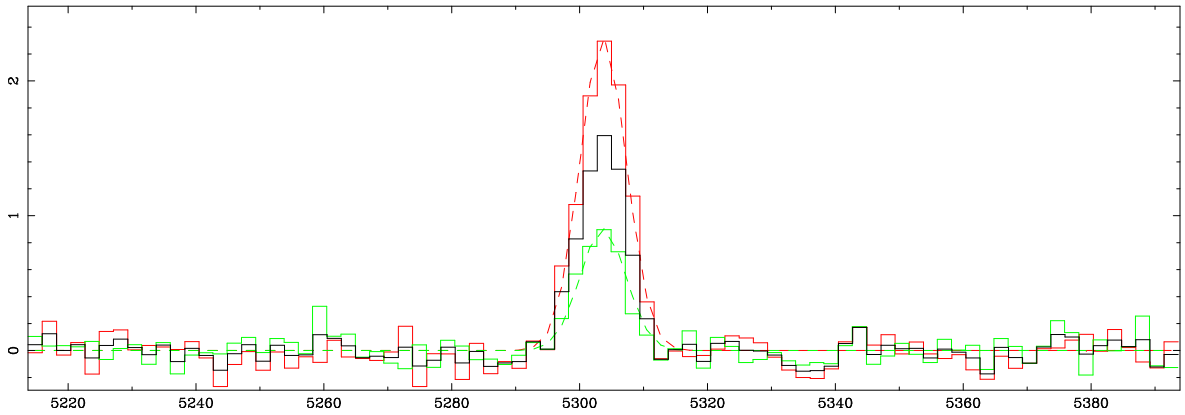
$\lambda_{obs} = 5687.75Å$

$EW_{obs} = 6.53Å$

$\alpha_{2000} = 189.2586°$

$\delta_{2000} = 62.1900°$





$S/N = 34.55$

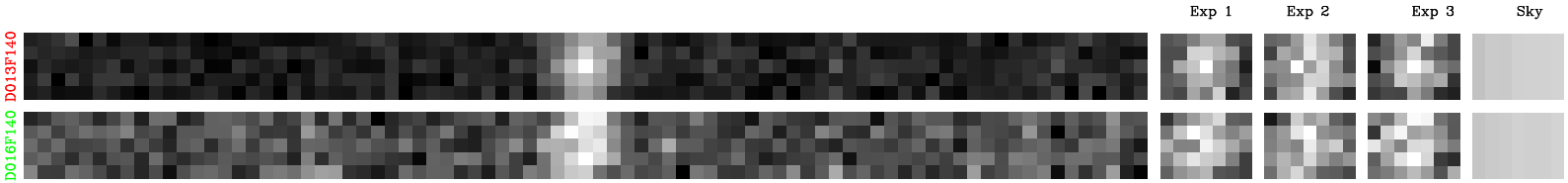
$FWHM_{obs} = 8.53Å$

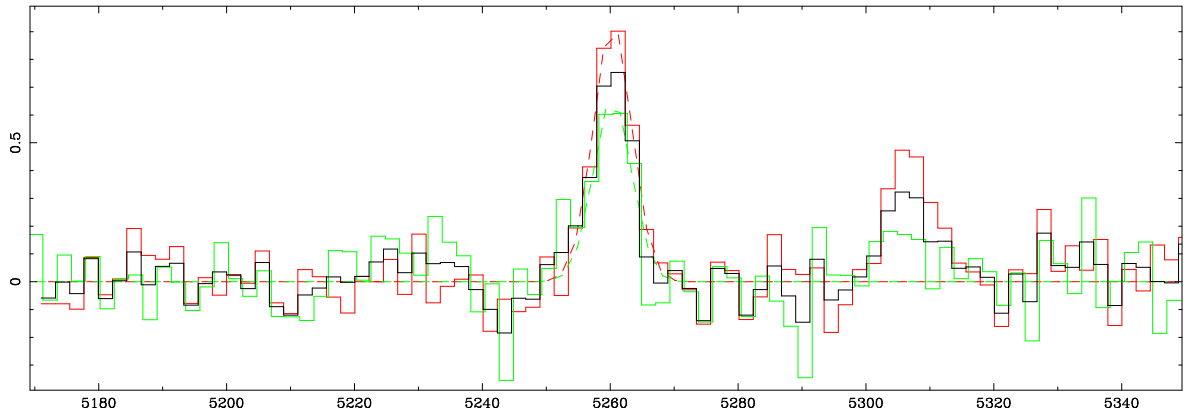
$\lambda_{obs} = 5303.66Å$

$EW_{obs} = 50.59Å$

$\alpha_{2000} = 189.2841°$

$\delta_{2000} = 62.1825°$





$S/N = 14.55$

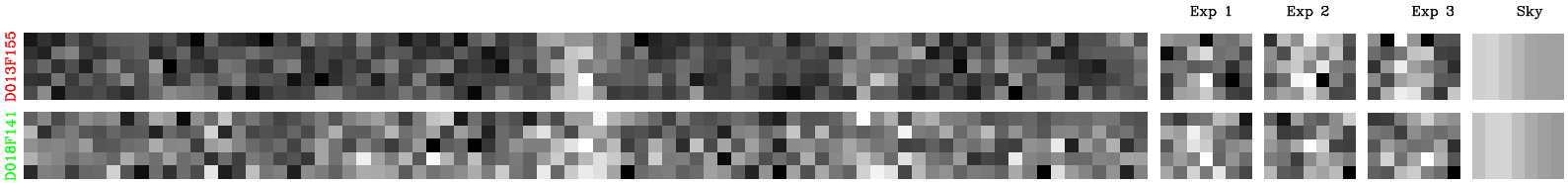
$FWHM_{obs} = 7.05Å$

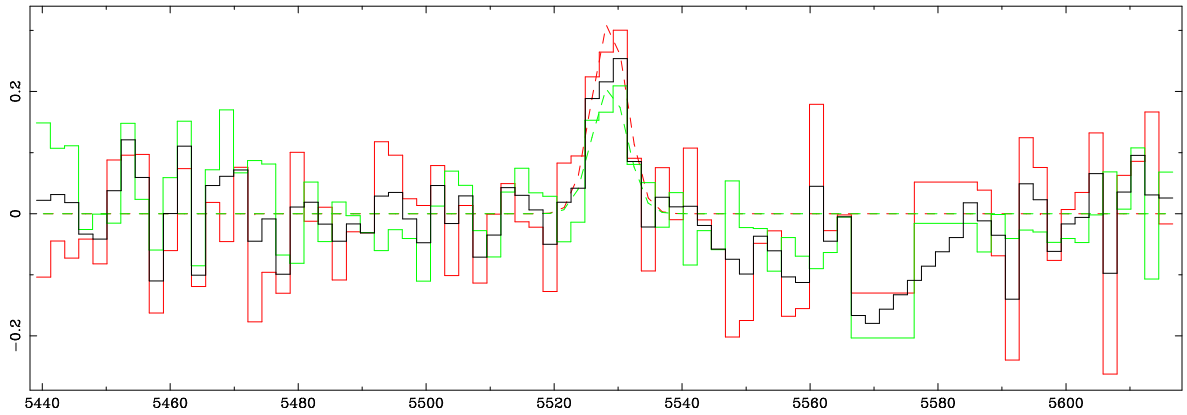
$\lambda_{obs} = 5260.36Å$

$EW_{obs} = 60.59Å$

$\alpha_{2000} = 189.2865°$

$\delta_{2000} = 62.1811°$





$S/N = 5.64$

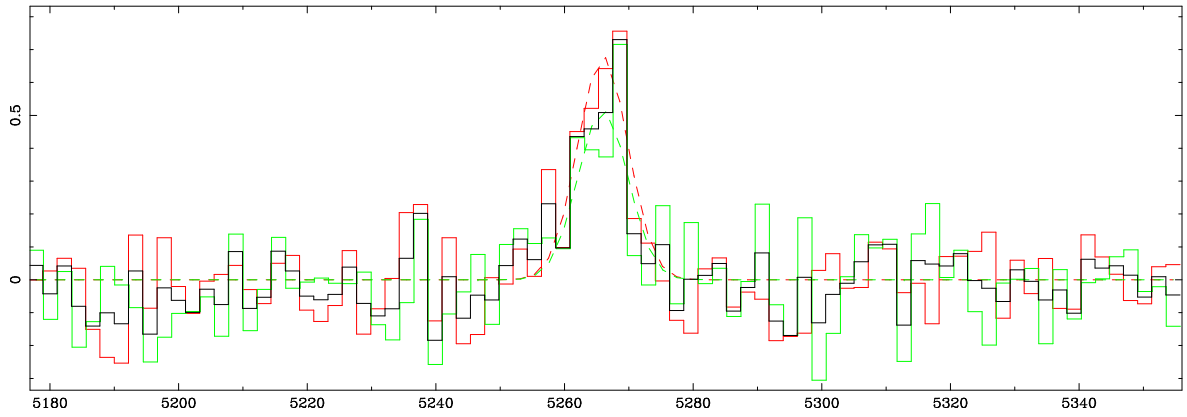
$FWHM_{obs} = 6.37$Å

$\lambda_{obs} = 5528.66$Å

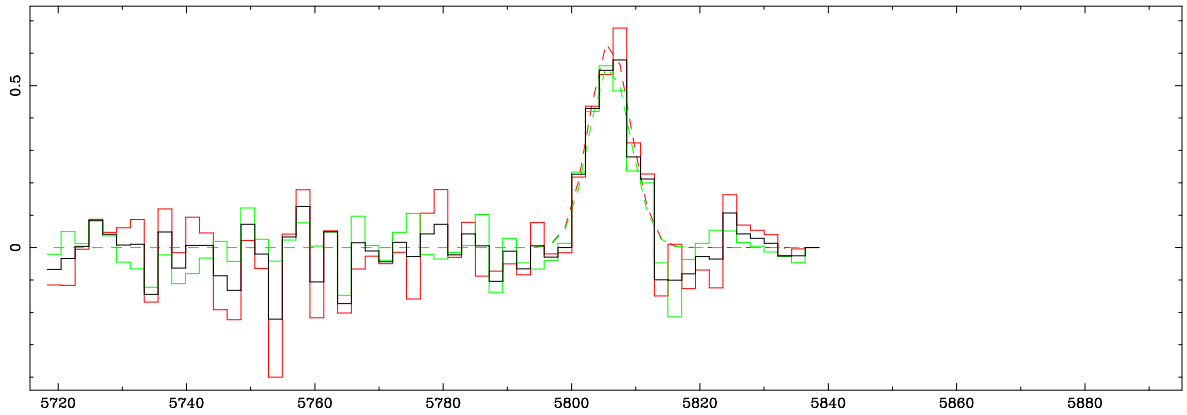
$EW_{obs} > 57.54$Å

$\alpha_{2000} = 189.2951°$

$\delta_{2000} = 62.1806°$



S/N = 12.70
$FWHM_{obs}$ = 9.19Å
λ_{obs} = 5265.96Å
EW_{obs} = 125.81Å
α_{2000} = 189.2983°
δ_{2000} = 62.1725°



$S/N = 12.95$

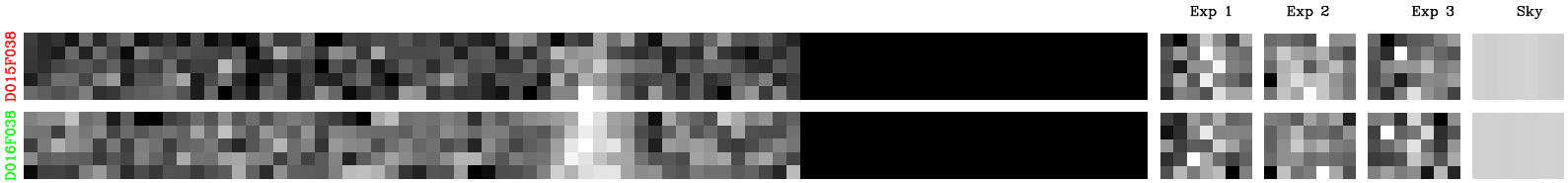
$FWHM_{obs} = 7.59$Å

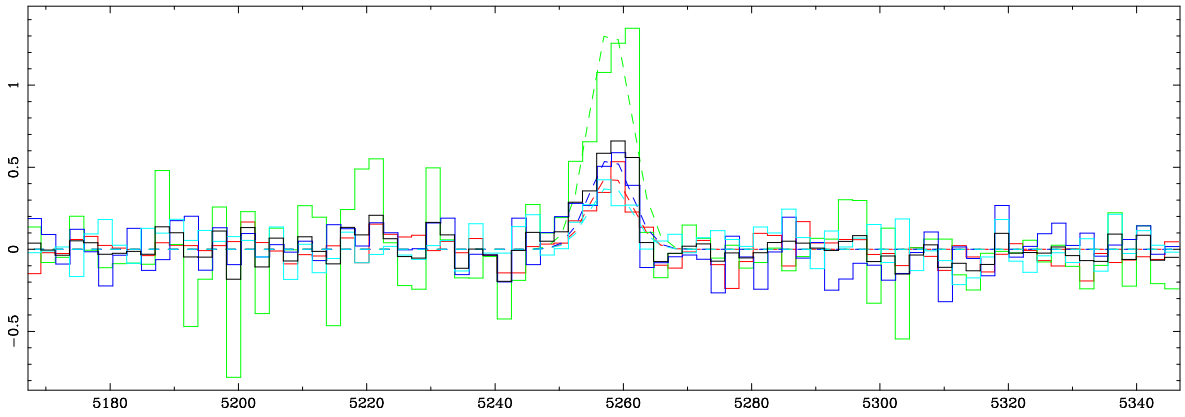
$\lambda_{obs} = 5805.95$Å

$EW_{obs} > 123.33$Å

$\alpha_{2000} = 189.2823°$

$\delta_{2000} = 62.1943°$





S/N = 14.71

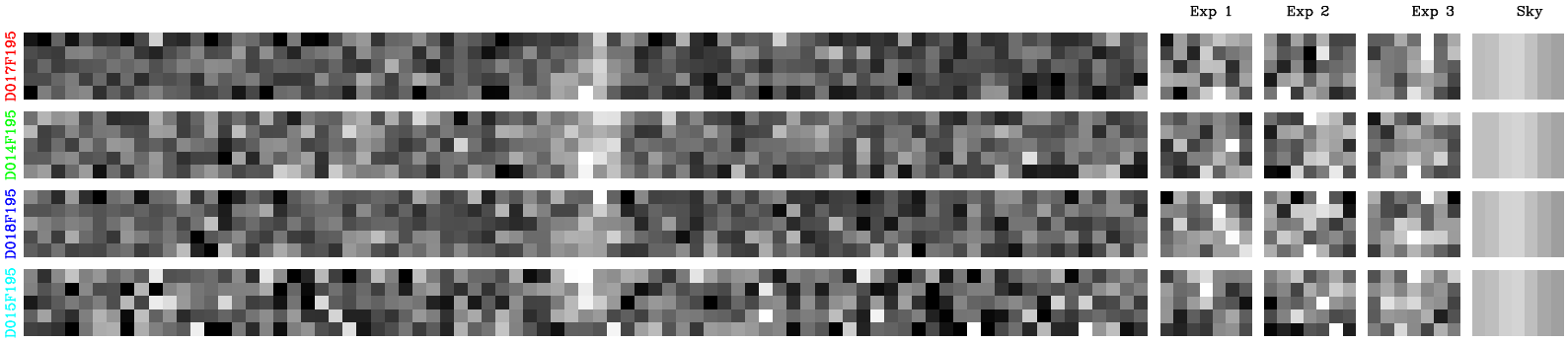
$FWHM_{obs}$ = 7.74Å

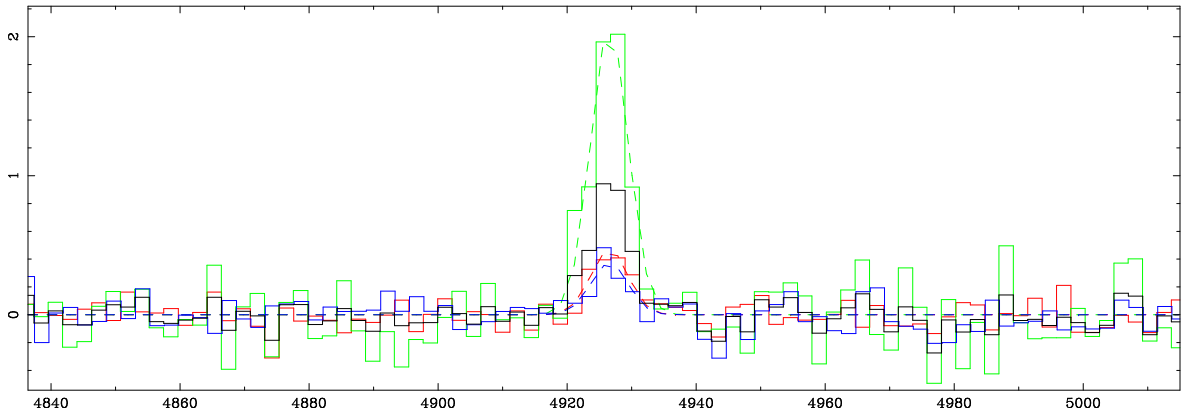
λ_{obs} = 5258.01Å

EW_{obs} = 66.37Å

α_{2000} = 189.2690°

δ_{2000} = 62.1750°





$S/N = 13.90$

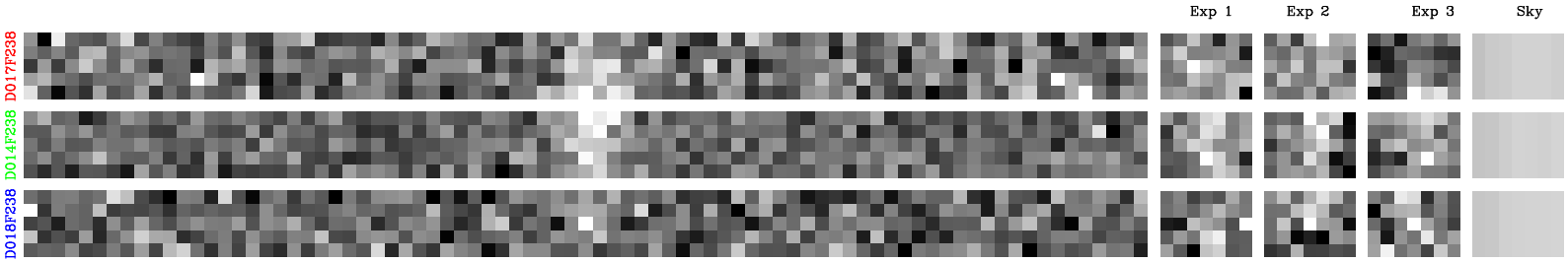
$FWHM_{obs} = 6.84Å$

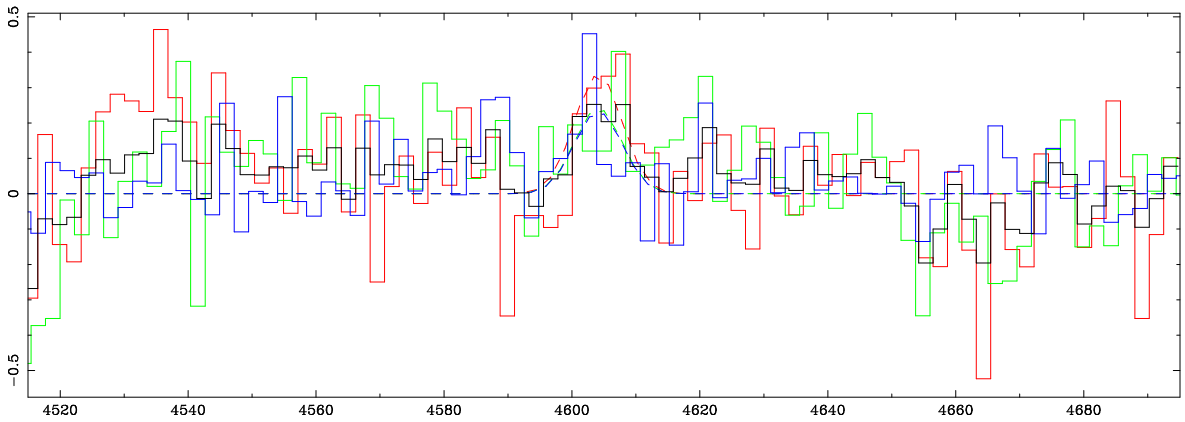
$\lambda_{obs} = 4926.57Å$

$EW_{obs} = 80.81Å$

$\alpha_{2000} = 189.2663°$

$\delta_{2000} = 62.1698°$





$S/N = 6.33$

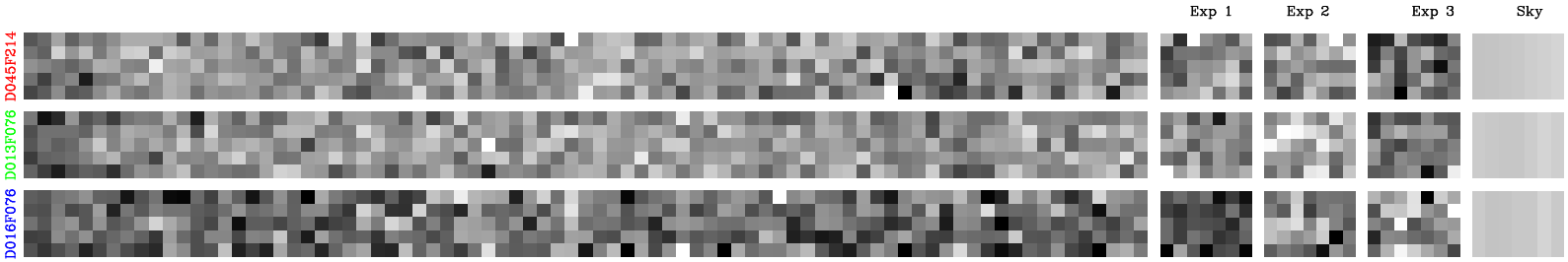
$FWHM_{obs} = 8.78Å$

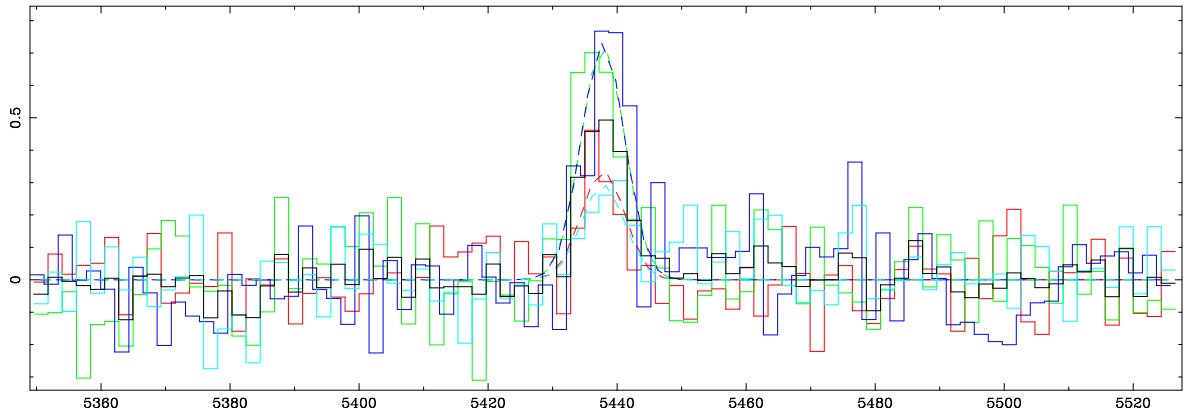
$\lambda_{obs} = 4604.11Å$

$EW_{obs} = 3.02Å$

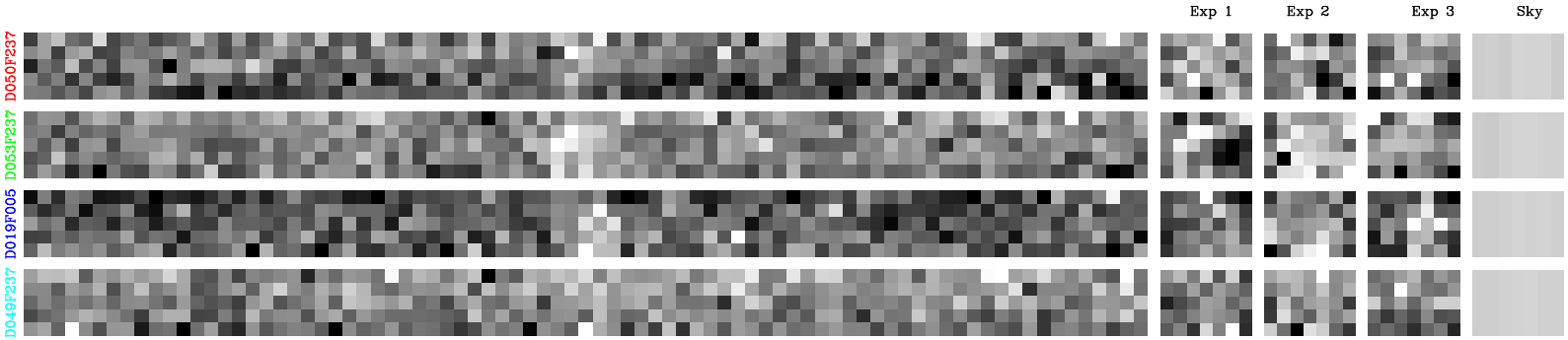
$\alpha_{2000} = 189.2585°$

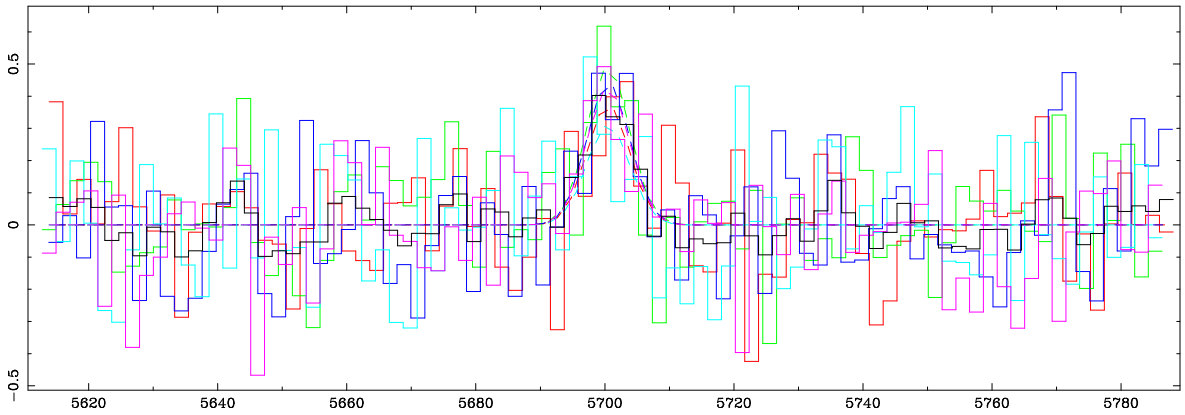
$\delta_{2000} = 62.1896°$





S/N = 12.84
$FWHM_{obs}$ = 7.88Å
λ_{obs} = 5437.81Å
EW_{obs} = 42.51Å
α_{2000} = 189.1402°
δ_{2000} = 62.1991°





$S/N = 8.99$

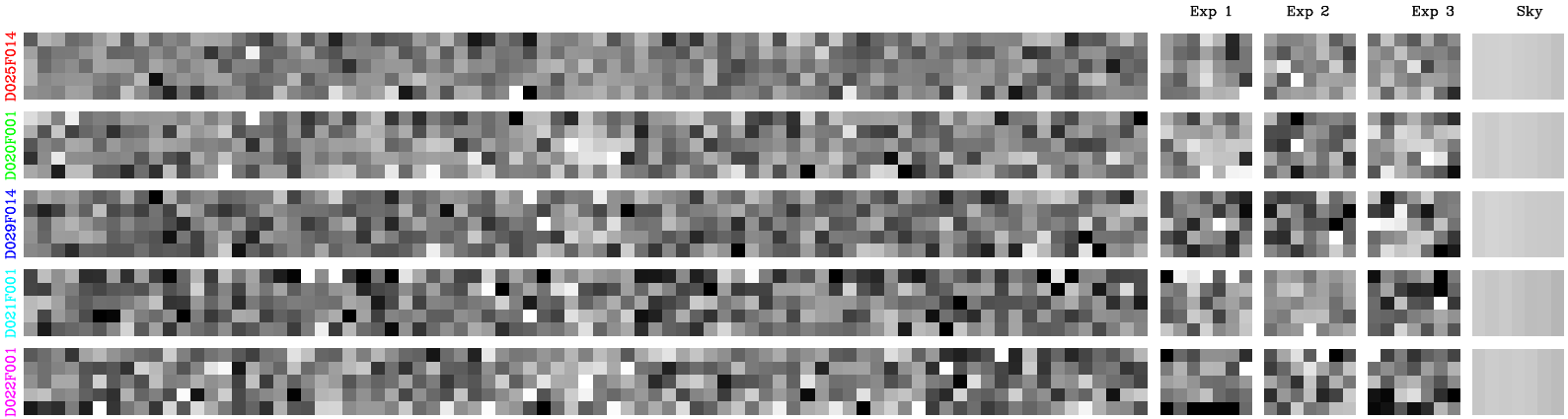
$FWHM_{obs} = 7.79$Å

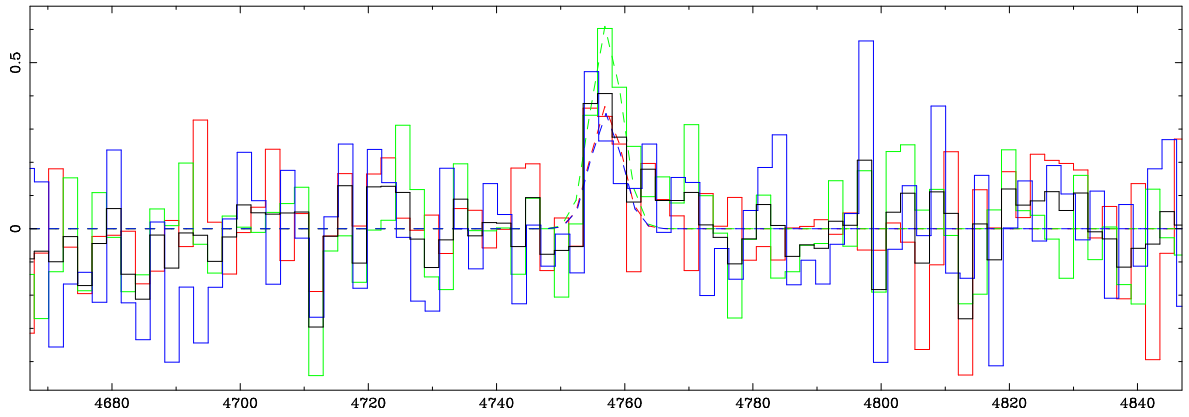
$\lambda_{obs} = 5700.51$Å

$EW_{obs} = 60.42$Å

$\alpha_{2000} = 189.1219°$

$\delta_{2000} = 62.1982°$





$S/N = 5.86$

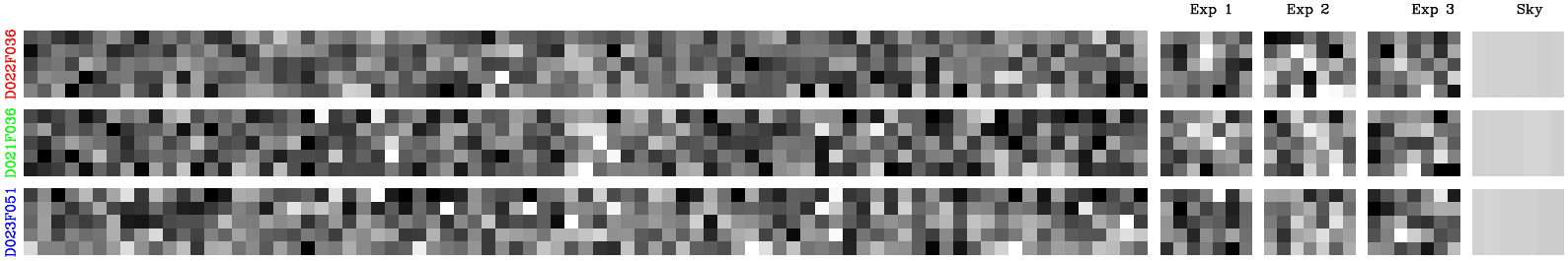
$FWHM_{obs} = 5.61$Å

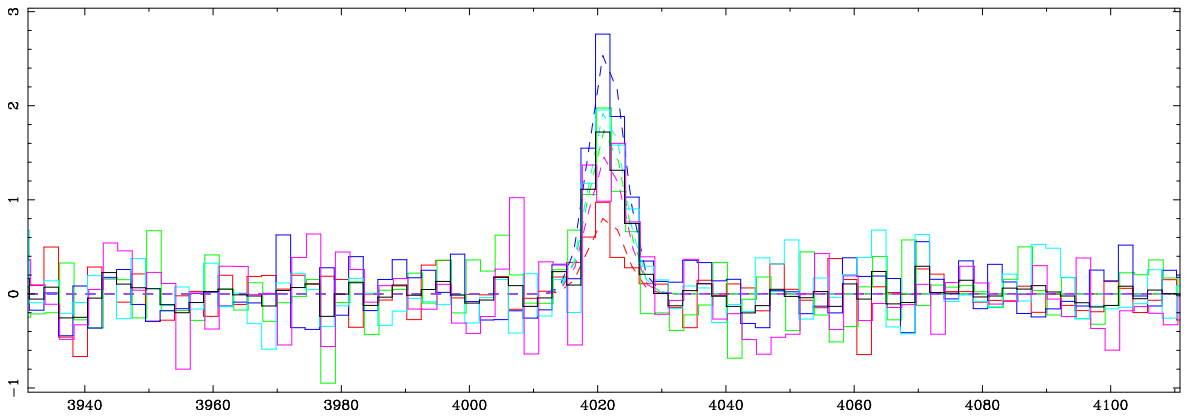
$\lambda_{obs} = 4757.12$Å

$EW_{obs} > 55.64$Å

$\alpha_{2000} = 189.1497°$

$\delta_{2000} = 62.1940°$





$S/N = 14.73$

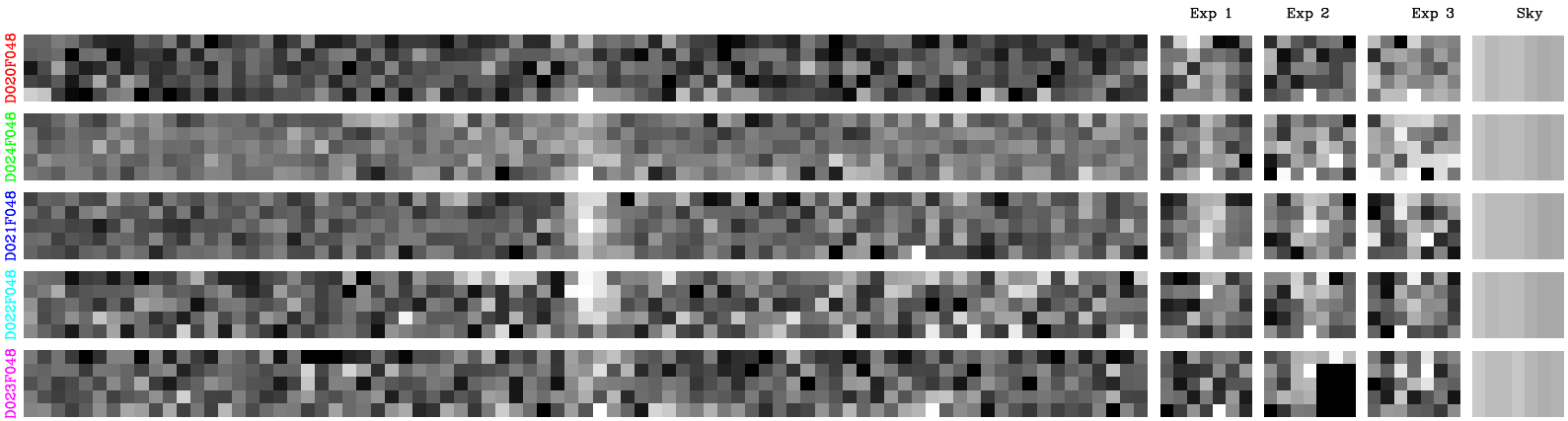
$FWHM_{obs} = 6.46Å$

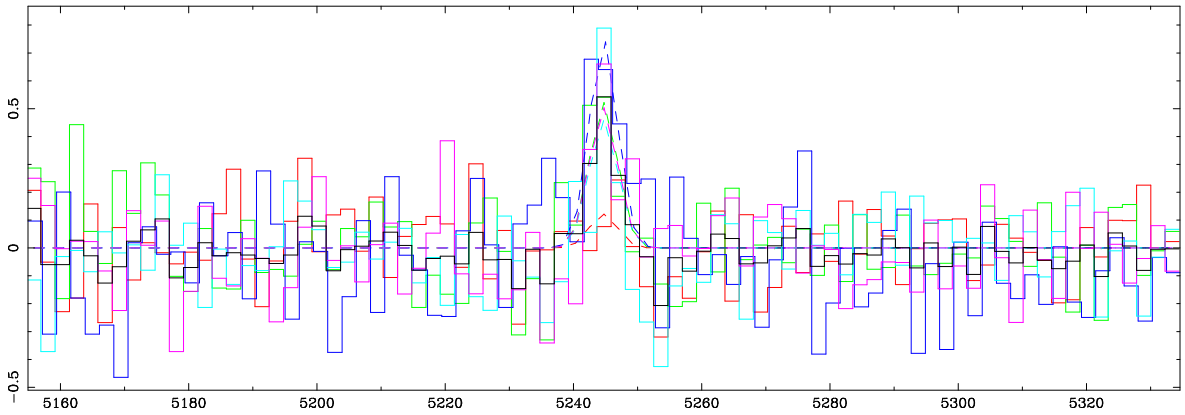
$\lambda_{obs} = 4021.40Å$

$EW_{obs} = 48.72Å$

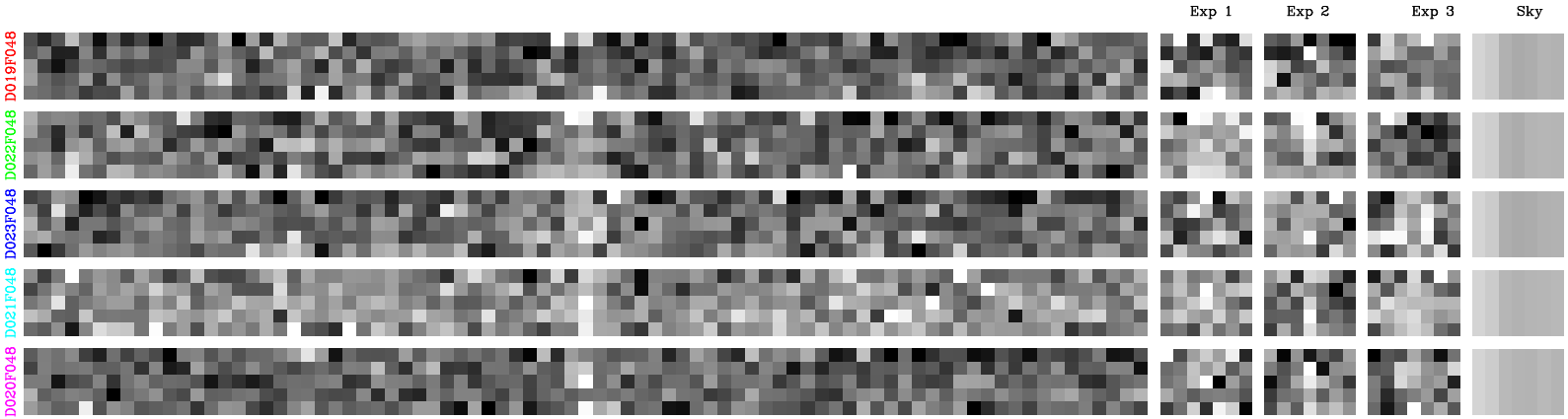
$\alpha_{2000} = 189.1379°$

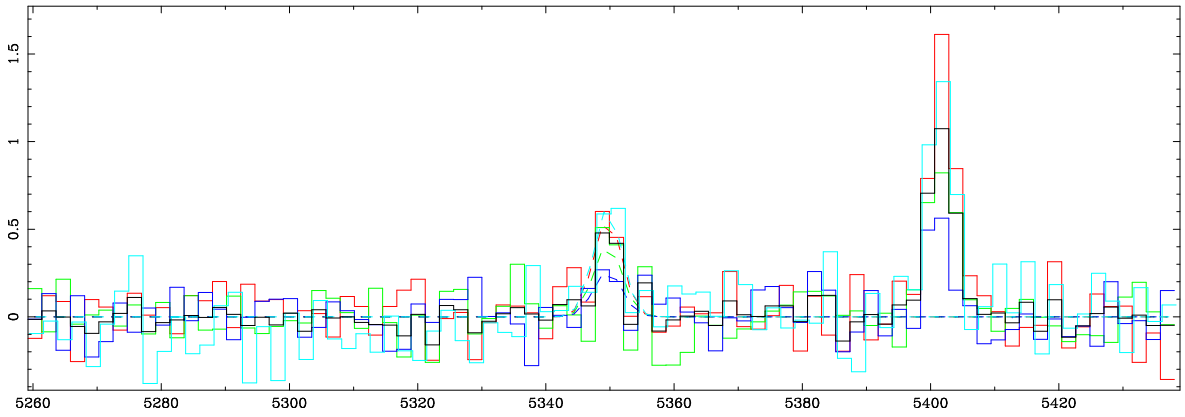
$\delta_{2000} = 62.1926°$





S/N = 7.54
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5244.68Å
EW_{obs} = 9.57Å
α_{2000} = 189.1376°
δ_{2000} = 62.1930°





S/N = 6.11

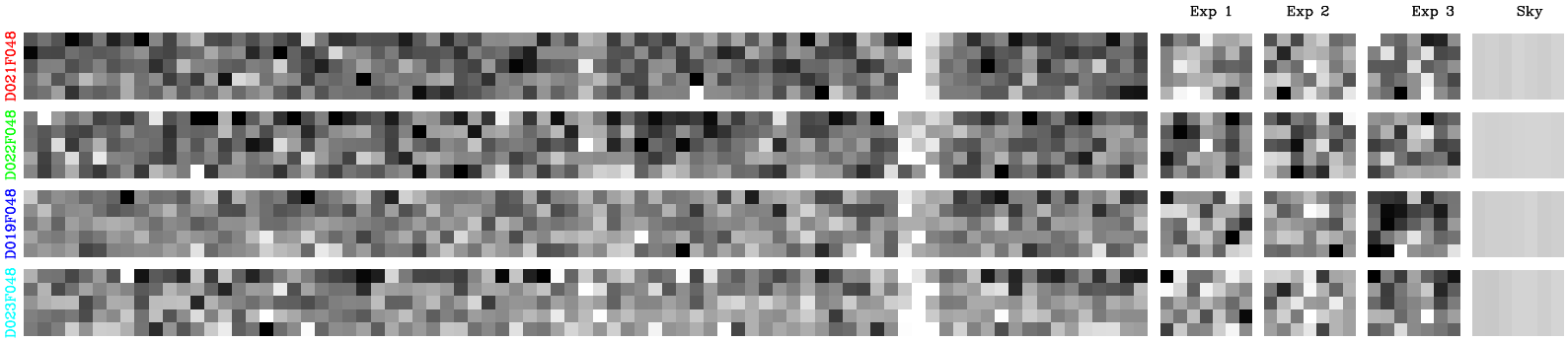
$FWHM_{obs}$ = 5.20Å

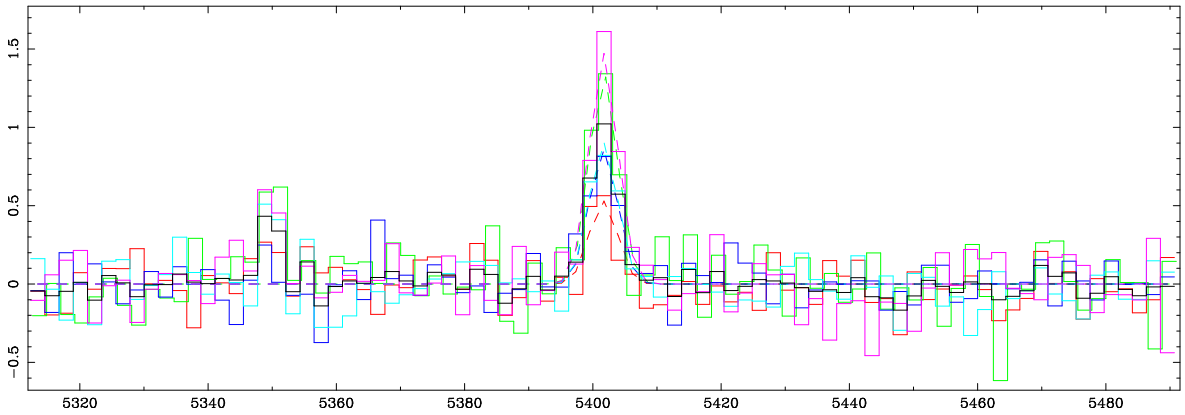
λ_{obs} = 5349.61Å

EW_{obs} = 7.14Å

α_{2000} = 189.1380°

δ_{2000} = 62.1930°





S/N = 16.69

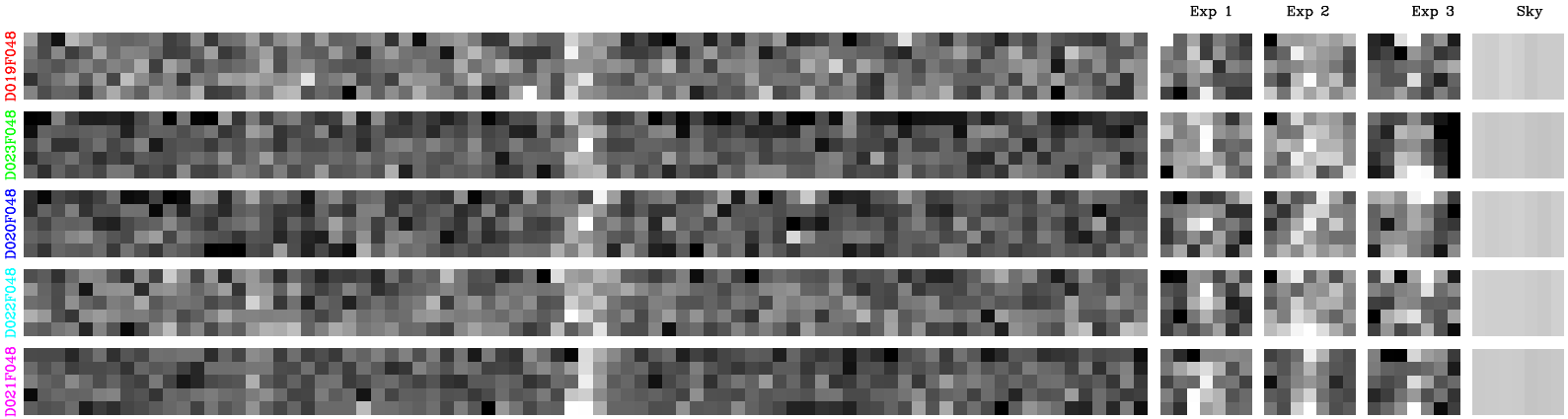
$FWHM_{obs}$ = 5.20Å

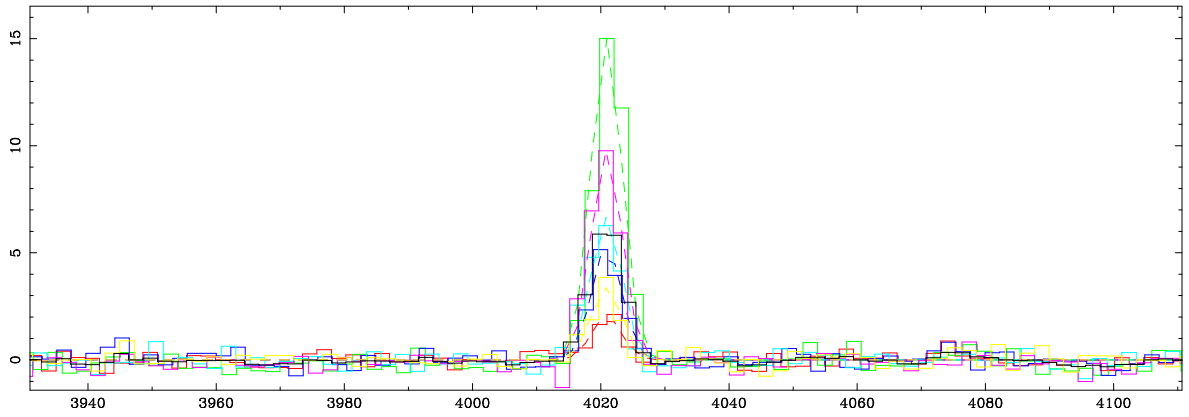
λ_{obs} = 5401.64Å

EW_{obs} = 19.18Å

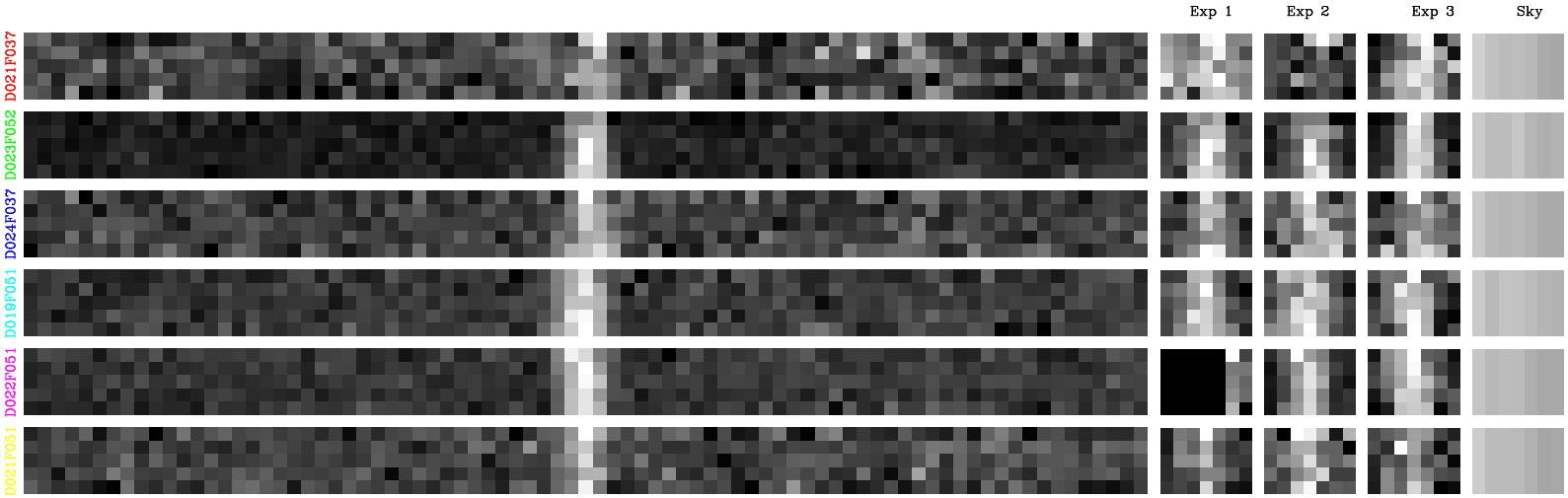
α_{2000} = 189.1377°

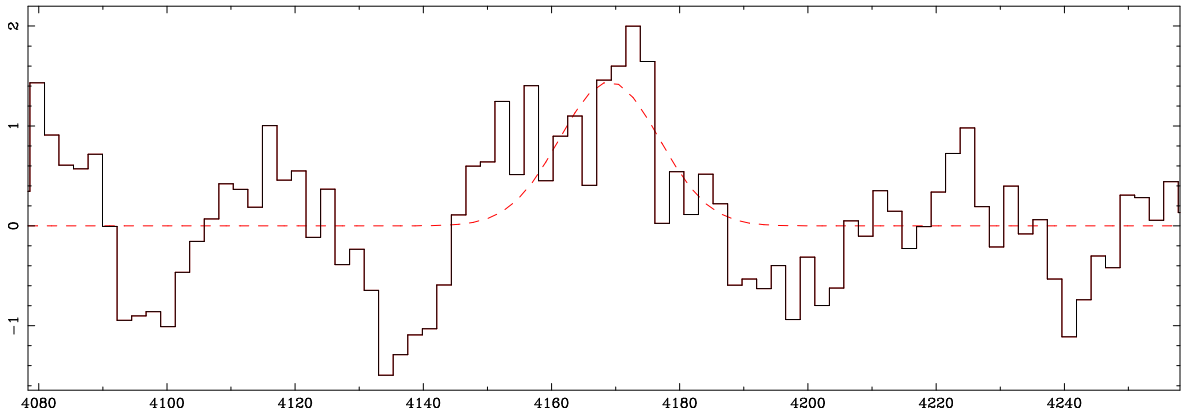
δ_{2000} = 62.1929°



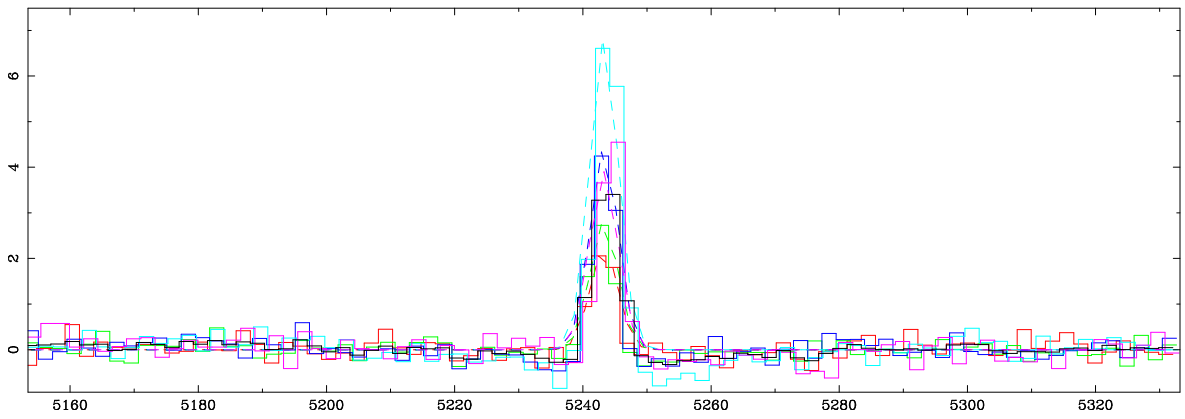


S/N = 52.12
$FWHM_{obs}$ = 5.63Å
λ_{obs} = 4020.90Å
EW_{obs} = 36.34Å
α_{2000} = 189.1530°
δ_{2000} = 62.1931°





S/N = 9.76
$FWHM_{obs}$ = 18.30Å
λ_{obs} = 4169.03Å
EW_{obs} = 7.75Å
α_{2000} = 189.1537°
δ_{2000} = 62.1927°



$S/N = 37.69$

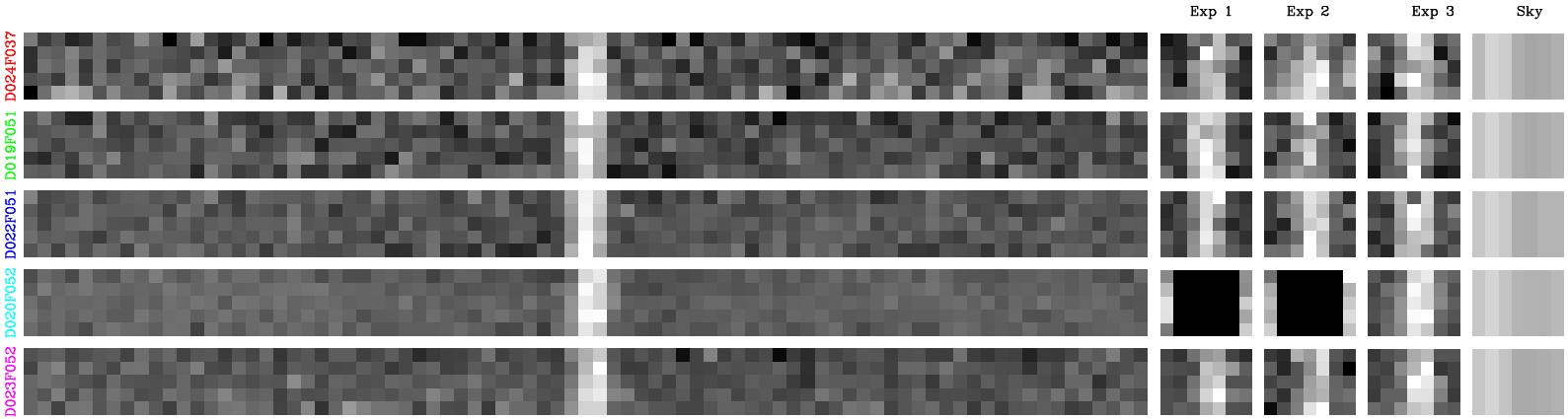
$FWHM_{obs} = 5.21$Å

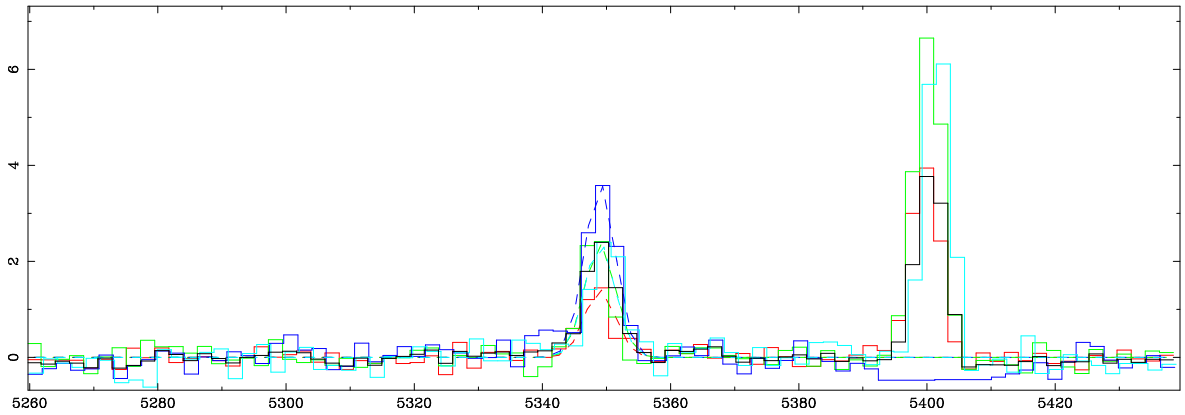
$\lambda_{obs} = 5243.28$Å

$EW_{obs} = 8.00$Å

$\alpha_{2000} = 189.1530°$

$\delta_{2000} = 62.1931°$





$S/N = 30.91$

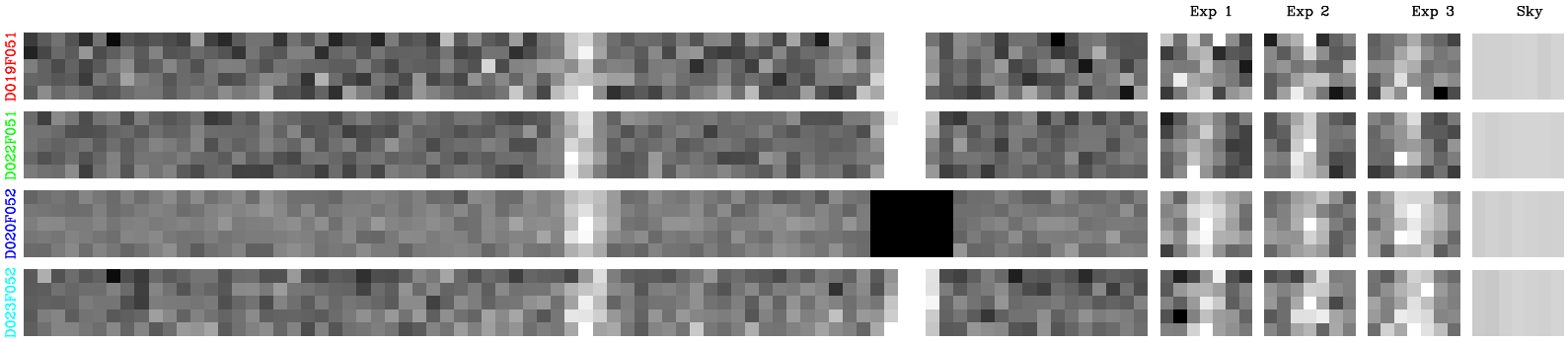
$FWHM_{obs} = 5.70Å$

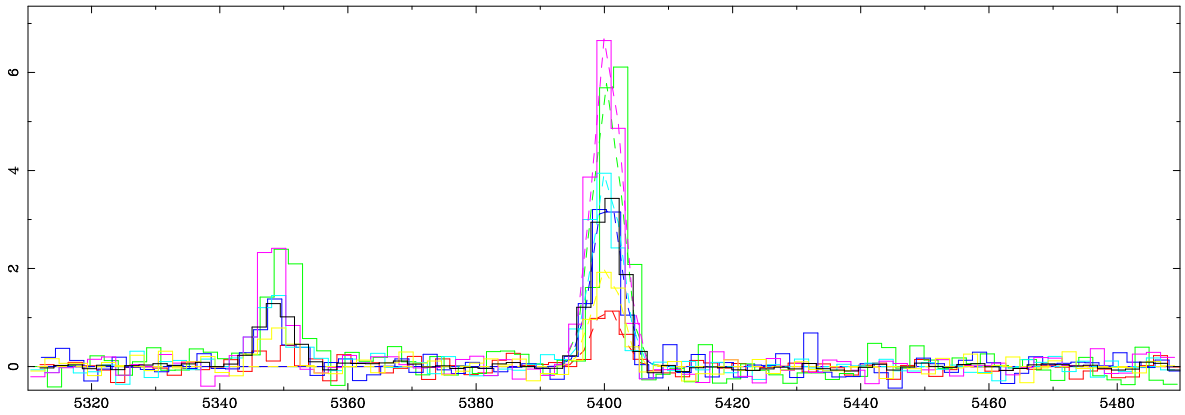
$\lambda_{obs} = 5348.98Å$

$EW_{obs} = 5.54Å$

$\alpha_{2000} = 189.1531°$

$\delta_{2000} = 62.1930°$





$S/N = 59.17$

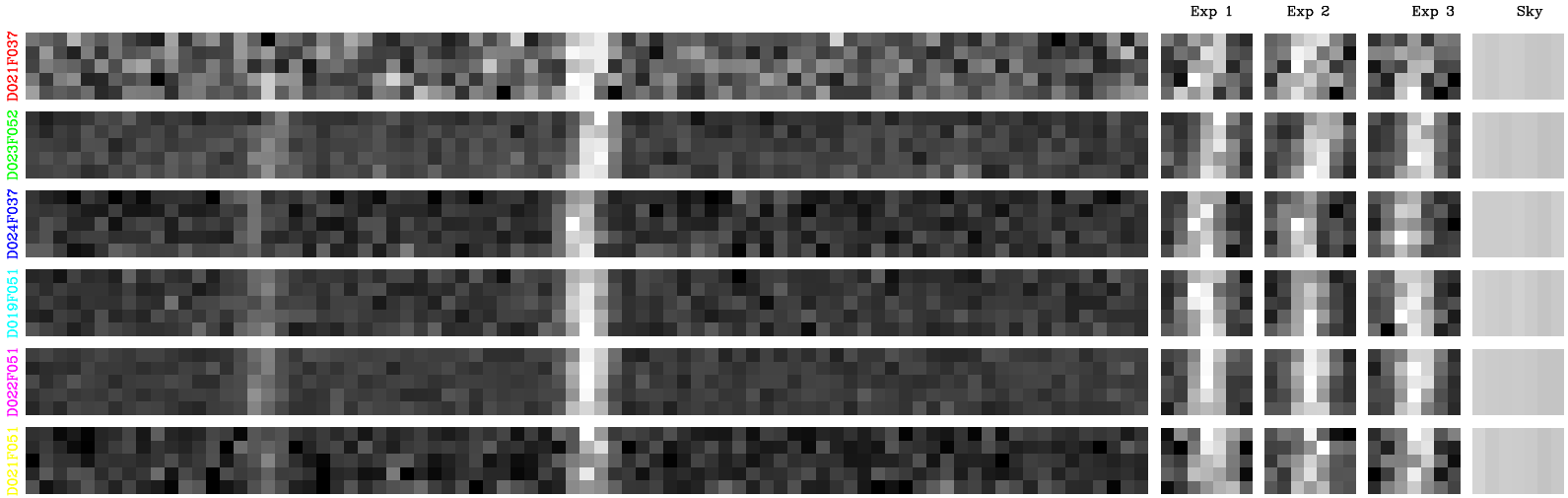
$FWHM_{obs} = 5.23Å$

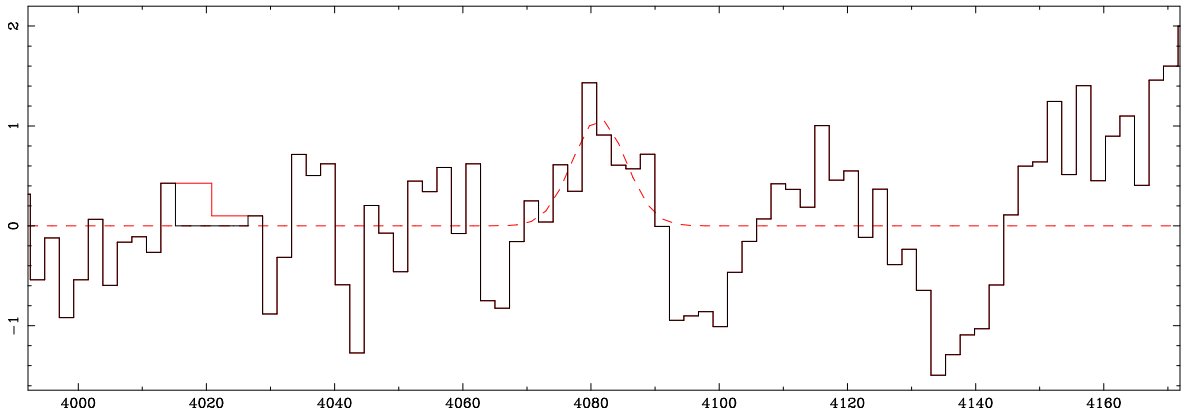
$\lambda_{obs} = 5400.40Å$

$EW_{obs} = 14.91Å$

$\alpha_{2000} = 189.1526°$

$\delta_{2000} = 62.1932°$





S/N = 5.36

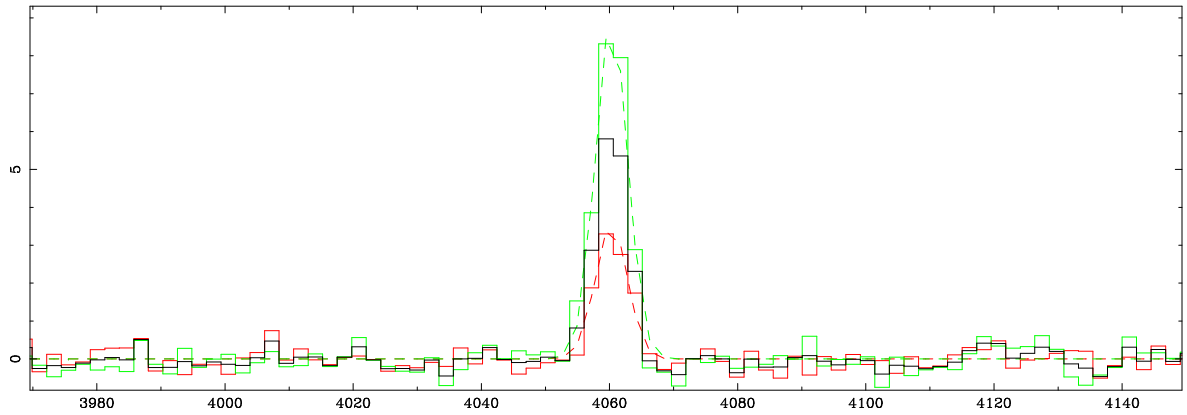
$FWHM_{obs}$ = 9.87Å

λ_{obs} = 4081.28Å

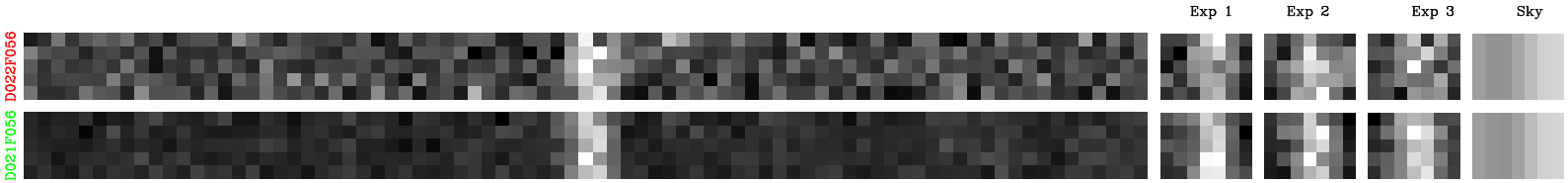
EW_{obs} = 2.72Å

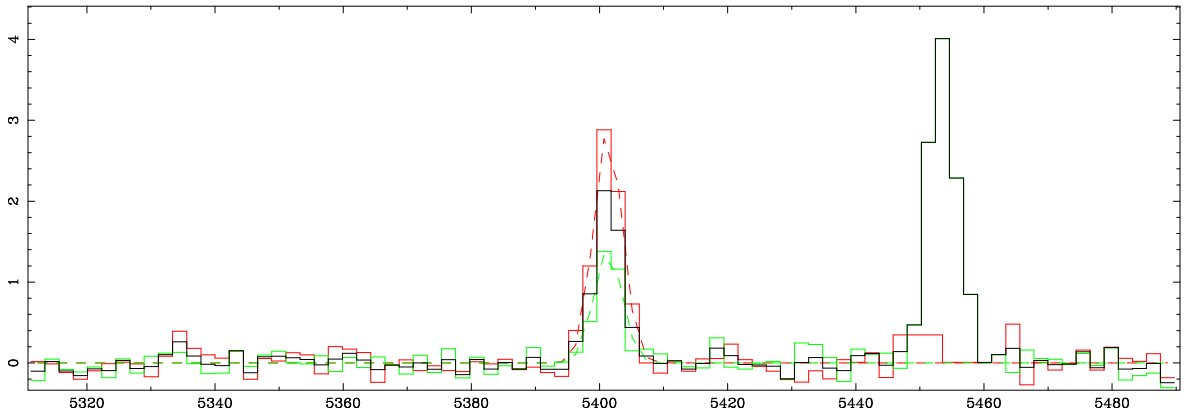
α_{2000} = 189.1537°

δ_{2000} = 62.1927°

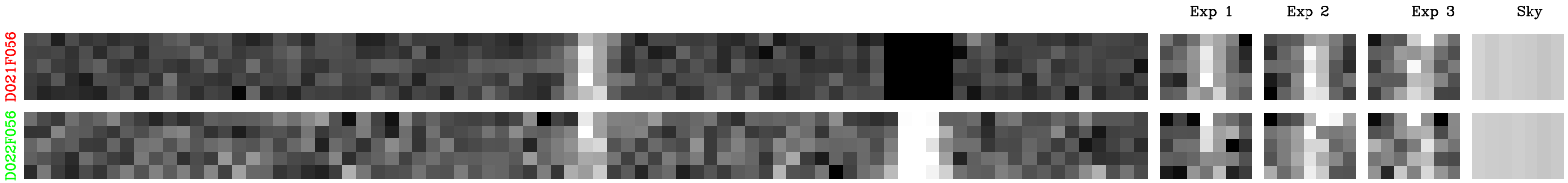


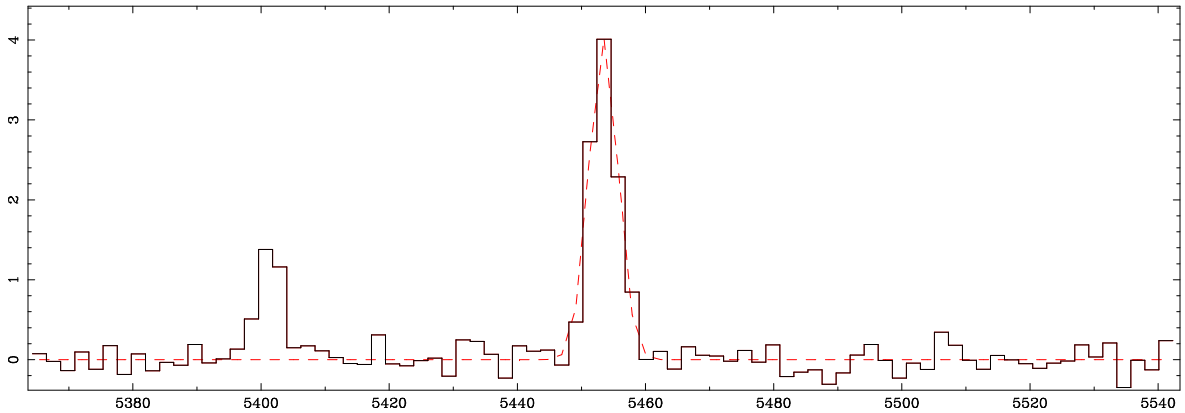
S/N = 30.92
$FWHM_{obs}$ = 5.86Å
λ_{obs} = 4060.29Å
EW_{obs} = 46.33Å
α_{2000} = 189.1737°
δ_{2000} = 62.1922°





S/N = 22.19
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5401.30Å
EW_{obs} = 11.33Å
α_{2000} = 189.1734°
δ_{2000} = 62.1923°





S/N = 25.62

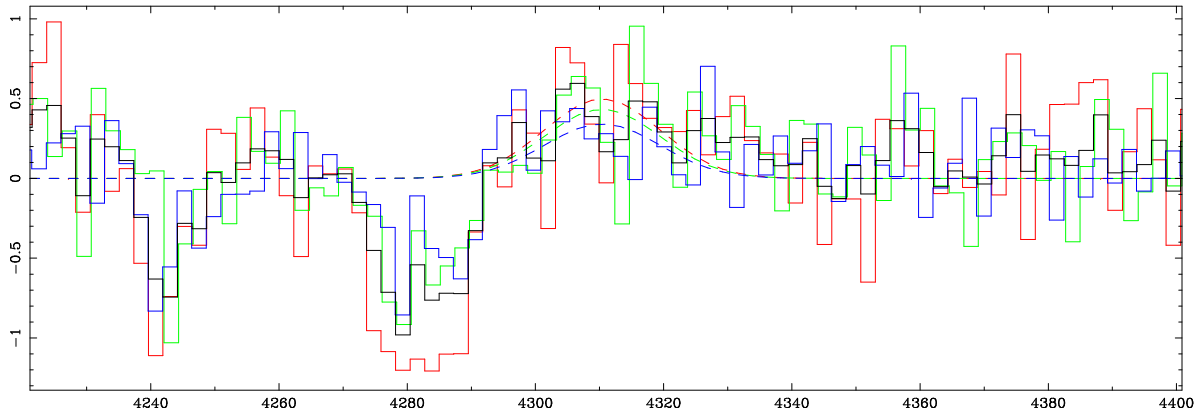
$FWHM_{obs}$ = 5.31Å

λ_{obs} = 5453.44Å

EW_{obs} = 38.42Å

α_{2000} = 189.1738°

δ_{2000} = 62.1926°



$S/N = 5.80$

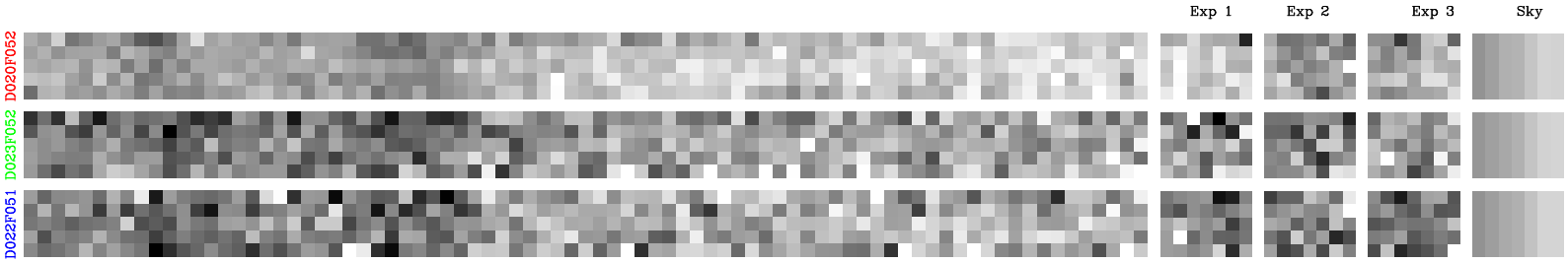
$FWHM_{obs} = 21.35Å$

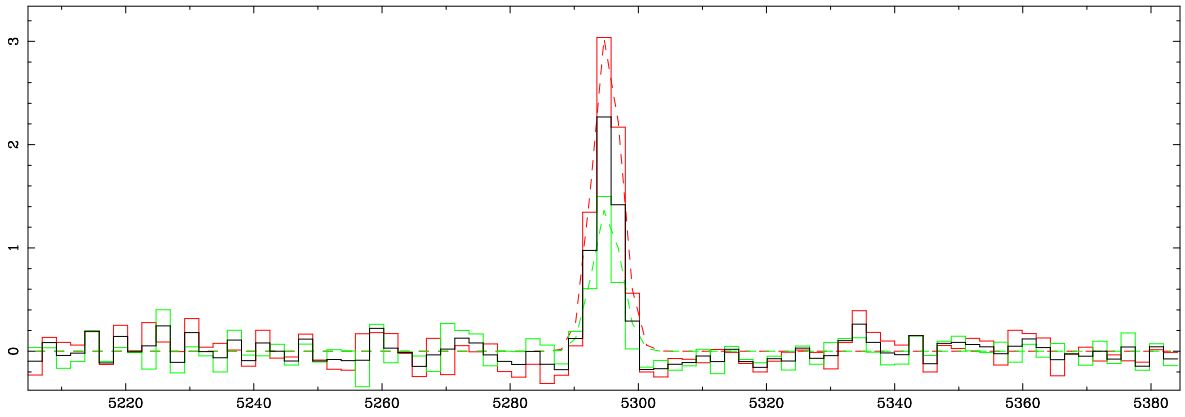
$\lambda_{obs} = 4310.43Å$

$EW_{obs} = 3.65Å$

$\alpha_{2000} = 189.1536°$

$\delta_{2000} = 62.1929°$





S/N = 18.91

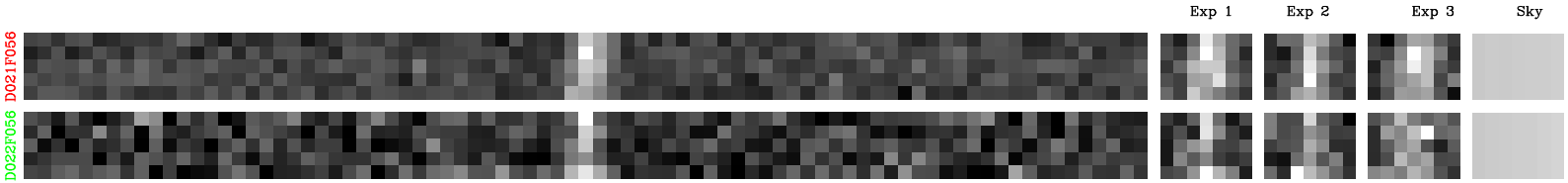
$FWHM_{obs}$ = 5.20Å

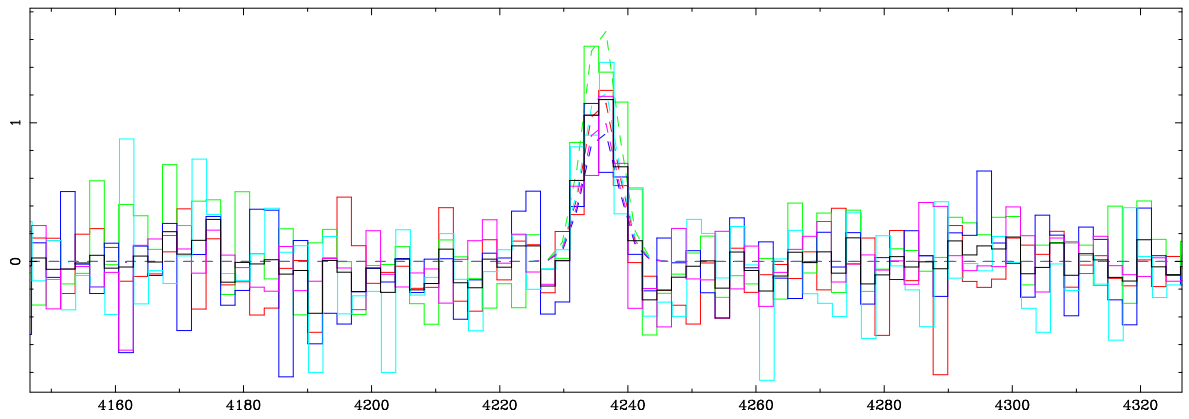
λ_{obs} = 5295.06Å

EW_{obs} = 10.86Å

α_{2000} = 189.1734°

δ_{2000} = 62.1923°





S/N = 14.91

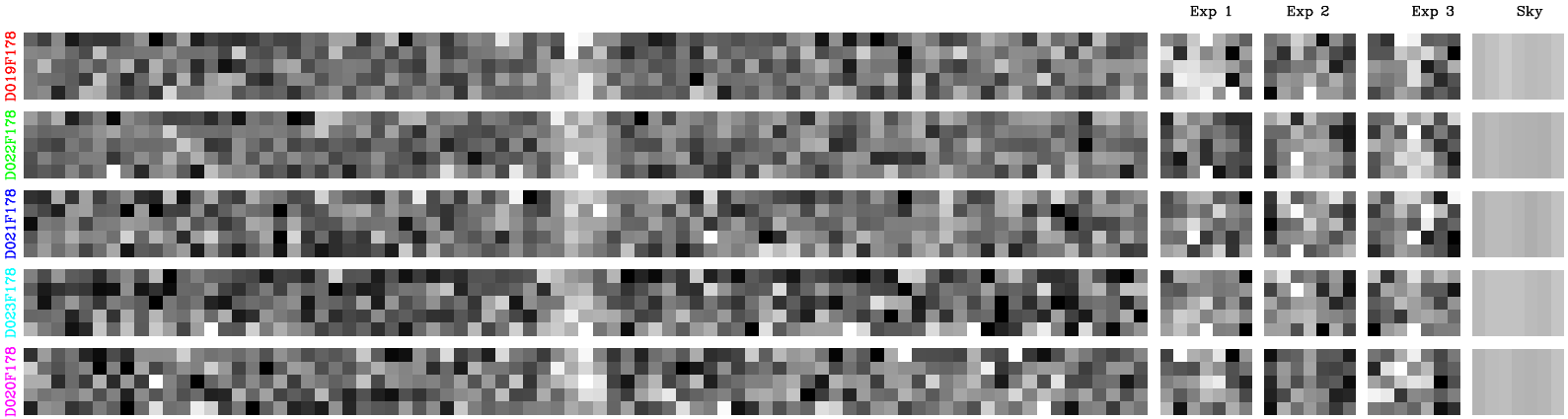
$FWHM_{obs}$ = 6.24Å

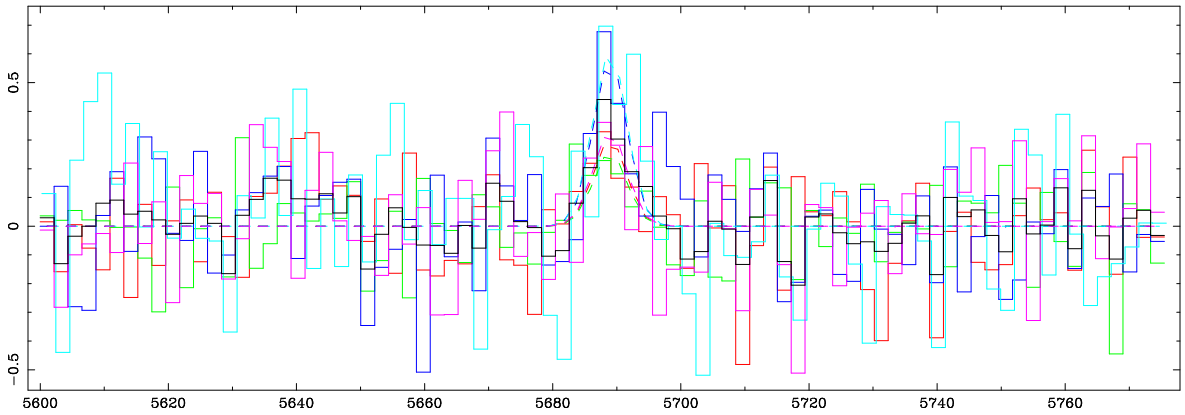
λ_{obs} = 4235.72Å

EW_{obs} = 32.04Å

α_{2000} = 189.1353°

δ_{2000} = 62.1769°





$S/N = 6.88$

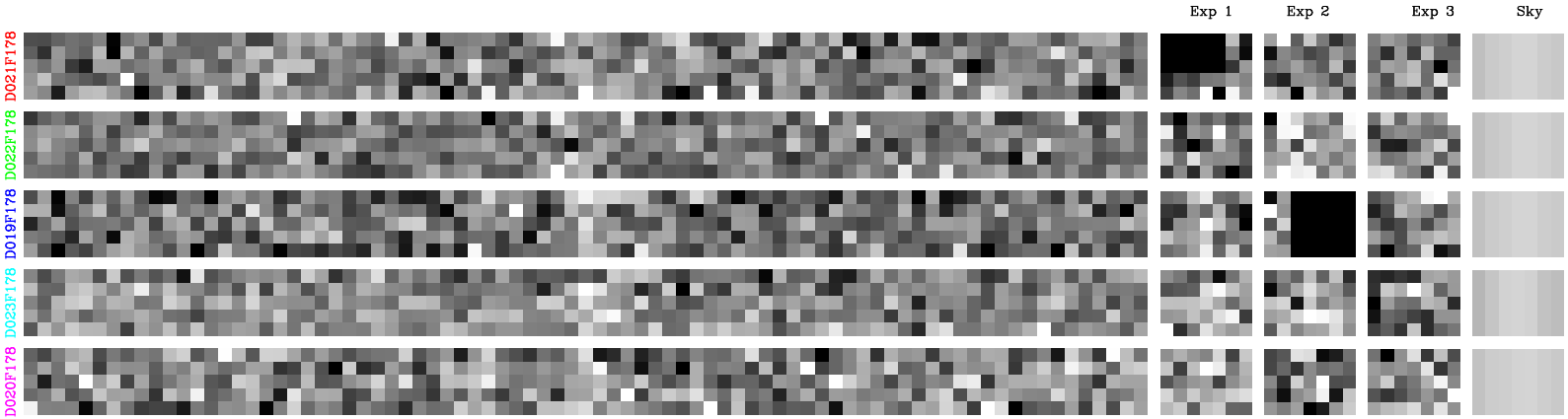
$FWHM_{obs} = 6.23$Å

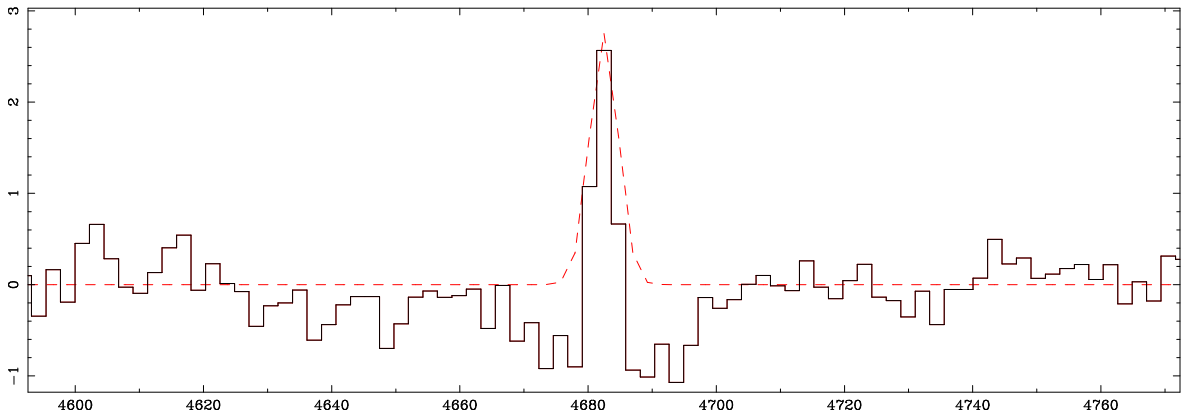
$\lambda_{obs} = 5688.93$Å

$EW_{obs} = 8.83$Å

$\alpha_{2000} = 189.1350°$

$\delta_{2000} = 62.1771°$





S/N = 10.74

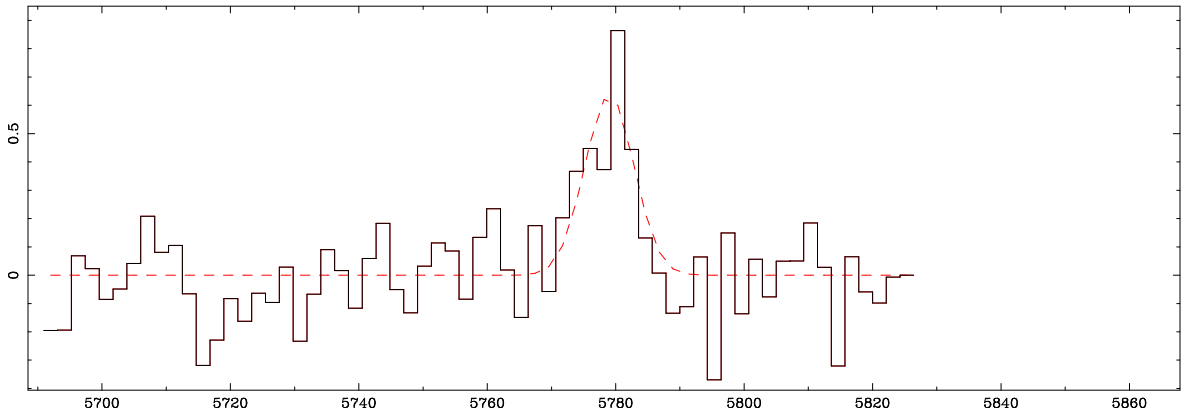
$FWHM_{obs}$ = 5.22Å

λ_{obs} = 4682.48Å

EW_{obs} = 1.94Å

α_{2000} = 189.1537°

δ_{2000} = 62.1927°



$S/N = 6.67$

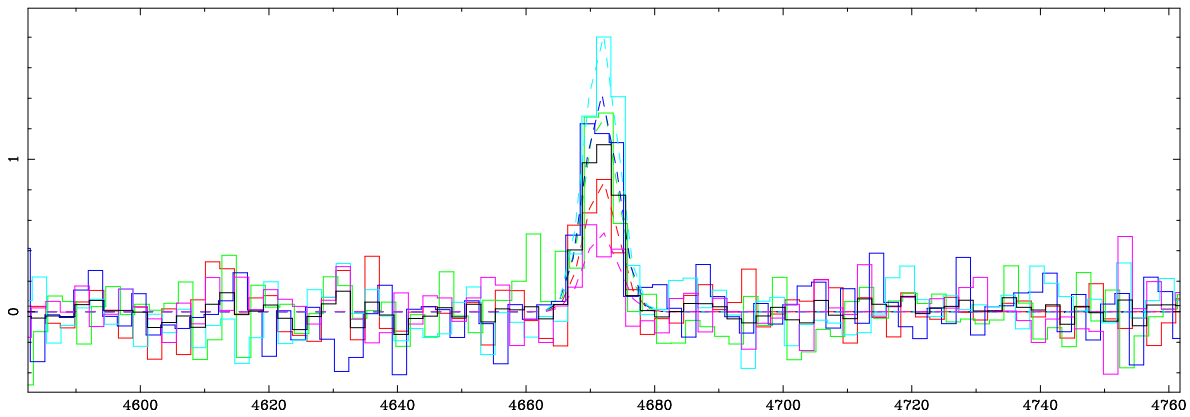
$FWHM_{obs} = 9.02Å$

$\lambda_{obs} = 5779.02Å$

$EW_{obs} > 72.00Å$

$\alpha_{2000} = 189.1793°$

$\delta_{2000} = 62.1748°$



$S/N = 18.69$

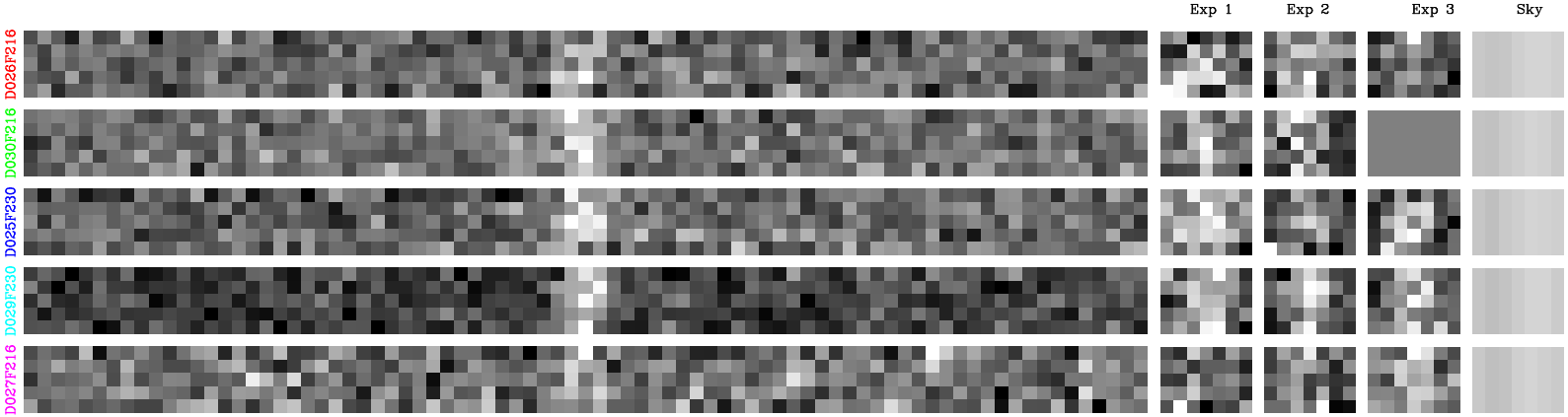
$FWHM_{obs} = 6.13Å$

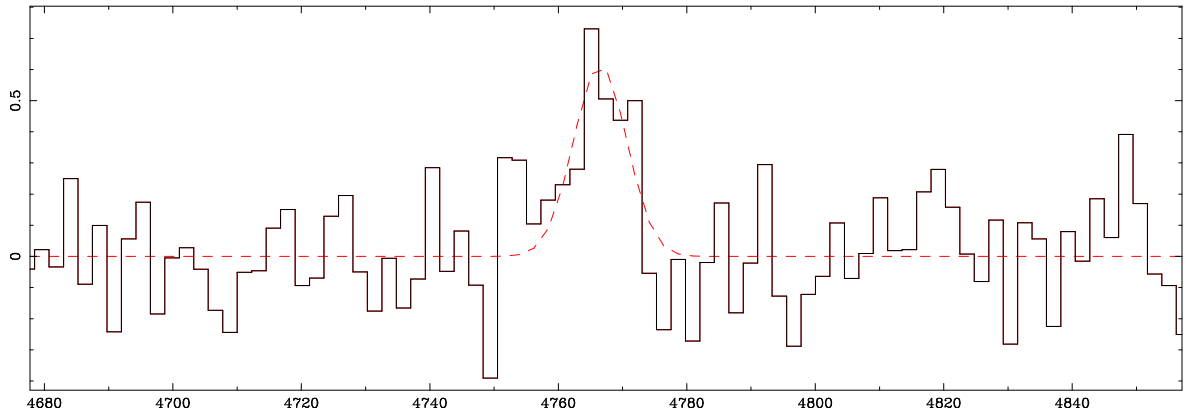
$\lambda_{obs} = 4671.68Å$

$EW_{obs} = 48.97Å$

$\alpha_{2000} = 189.1144°$

$\delta_{2000} = 62.1718°$





$S/N = 6.73$

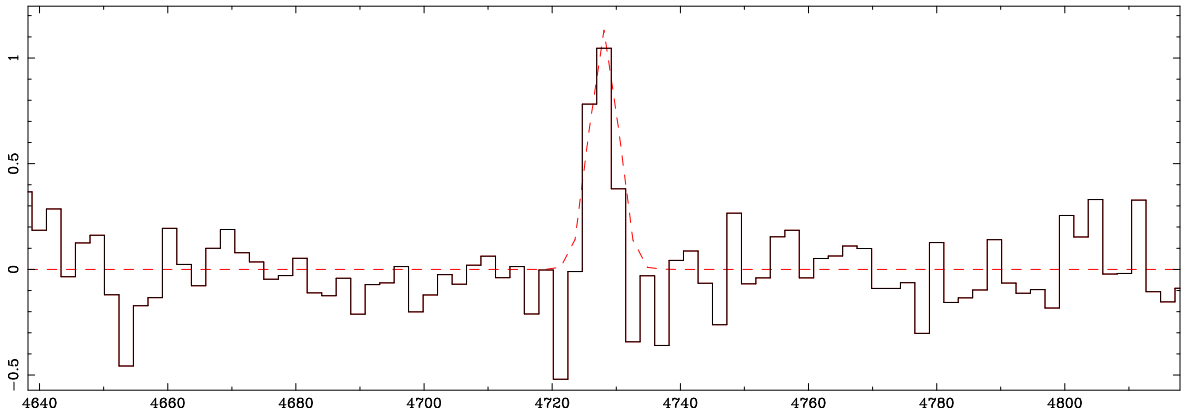
$FWHM_{obs} = 9.69$Å

$\lambda_{obs} = 4766.52$Å

$EW_{obs} > 88.52$Å

$\alpha_{2000} = 189.1318°$

$\delta_{2000} = 62.1941°$



S/N = 6.95

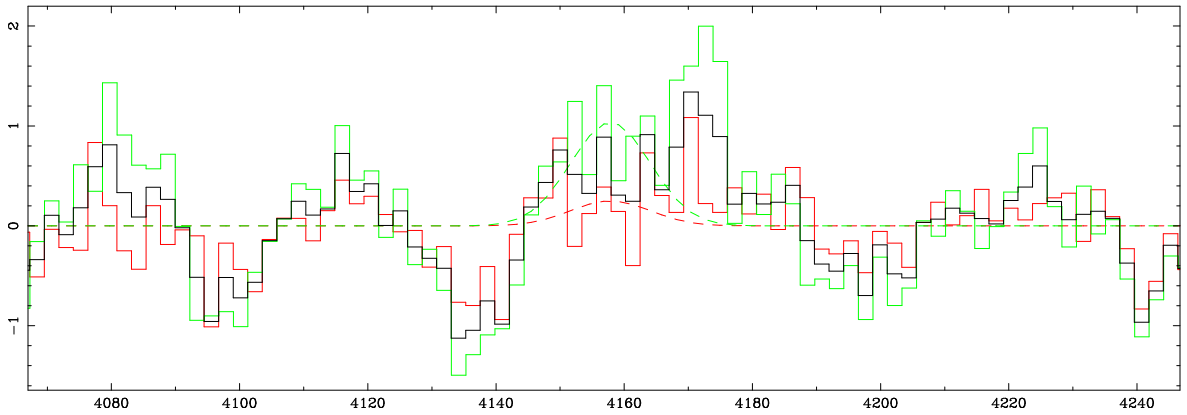
$FWHM_{obs}$ = 5.20Å

λ_{obs} = 4728.08Å

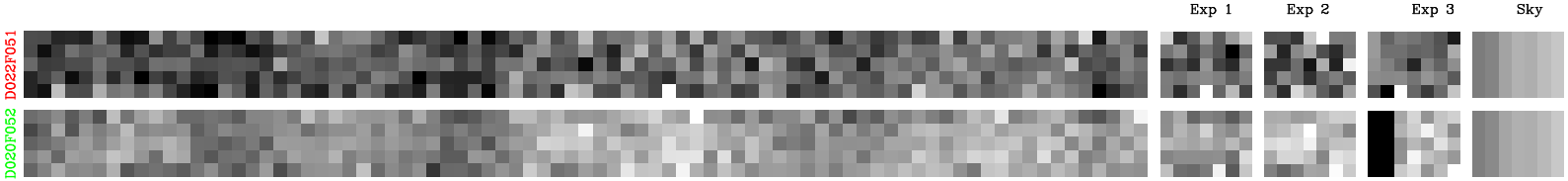
EW_{obs} = 3.40Å

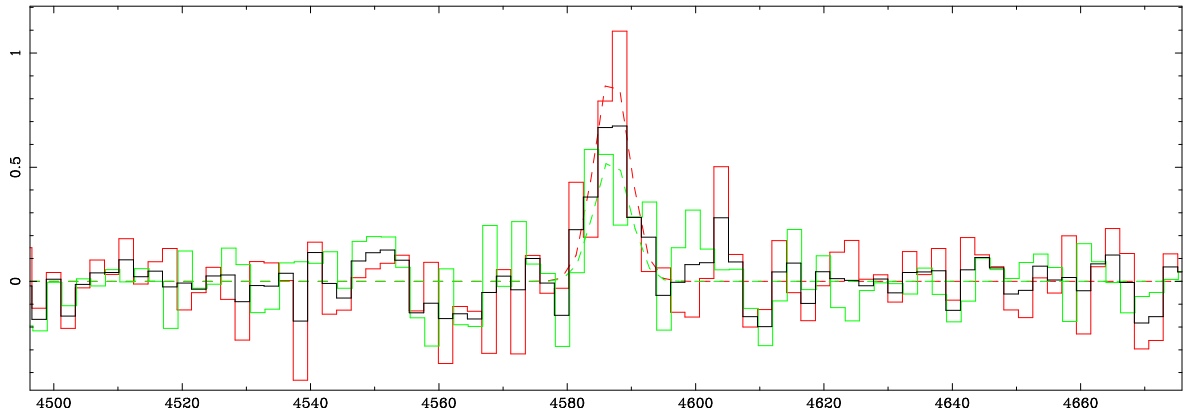
α_{2000} = 189.1733°

δ_{2000} = 62.1921°



S/N = 5.46
$FWHM_{obs}$ = 14.69Å
λ_{obs} = 4157.85Å
EW_{obs} = 3.40Å
α_{2000} = 189.1535°
δ_{2000} = 62.1927°





S/N = 8.78

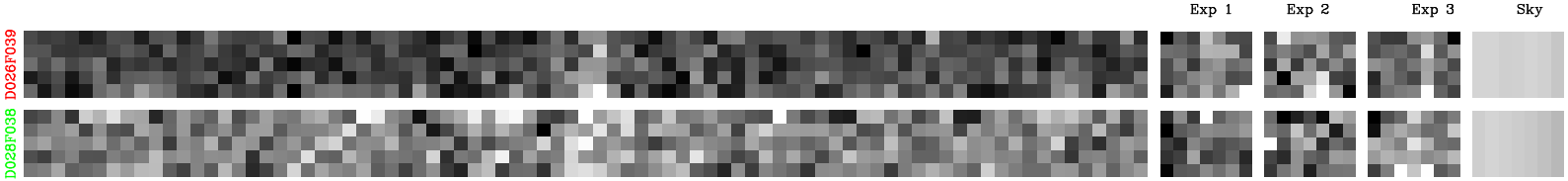
$FWHM_{obs}$ = 6.44Å

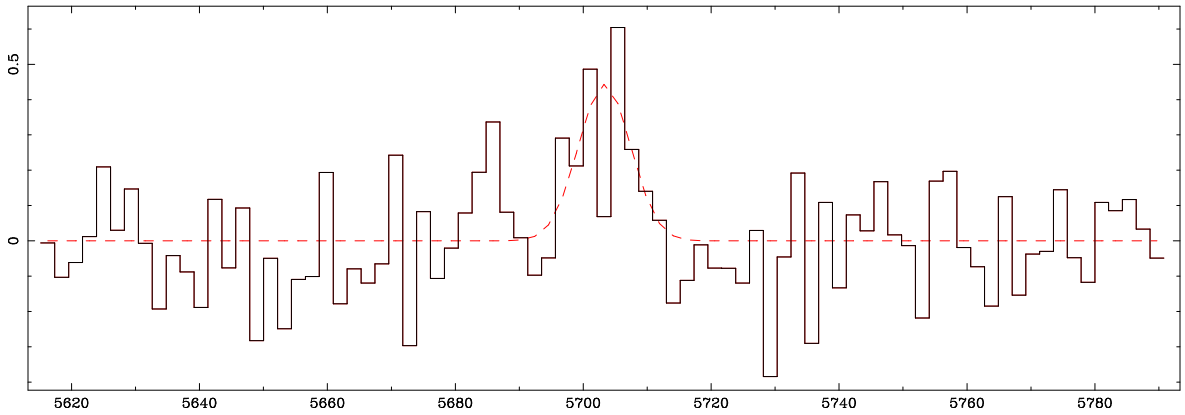
λ_{obs} = 4586.98Å

EW_{obs} = 47.16Å

α_{2000} = 189.1015°

δ_{2000} = 62.1940°





$S/N = 5.08$

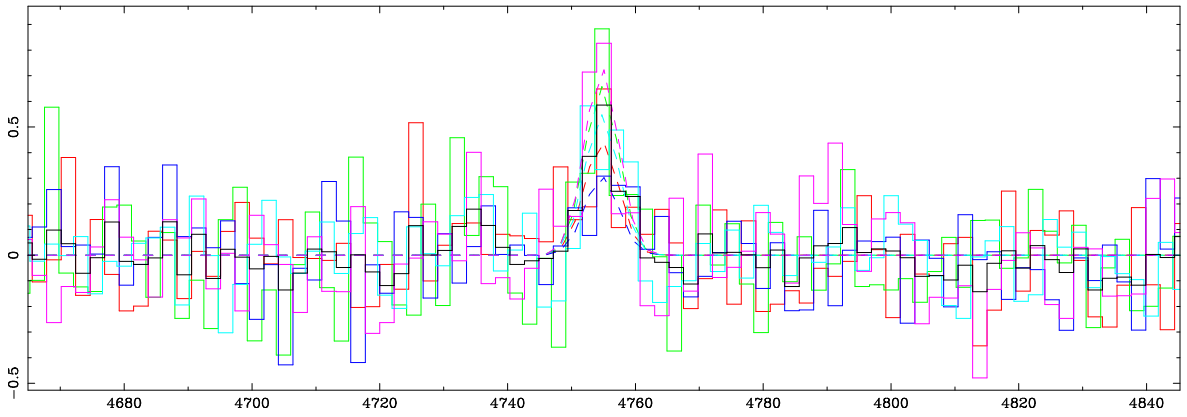
$FWHM_{obs} = 9.64$Å

$\lambda_{obs} = 5703.32$Å

$EW_{obs} > 85.87$Å

$\alpha_{2000} = 189.0625°$

$\delta_{2000} = 62.1896°$



$S/N = 10.17$

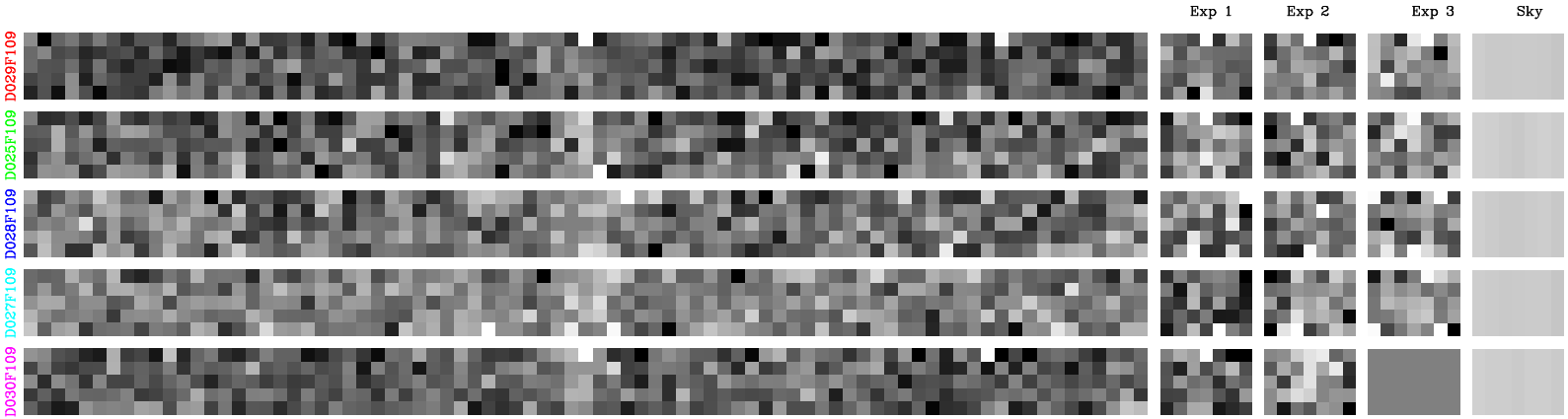
$FWHM_{obs} = 6.30Å$

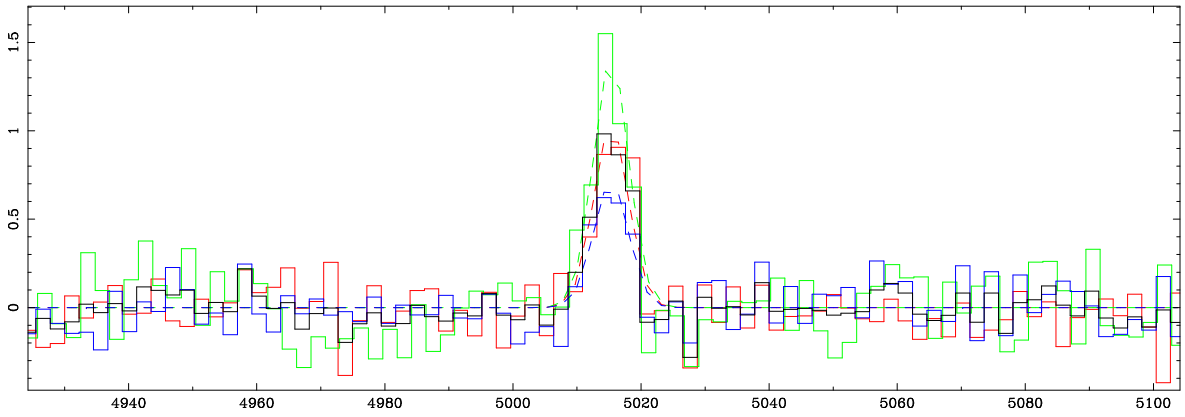
$\lambda_{obs} = 4754.72Å$

$EW_{obs} = 26.50Å$

$\alpha_{2000} = 189.0925°$

$\delta_{2000} = 62.1852°$





$S/N = 16.63$

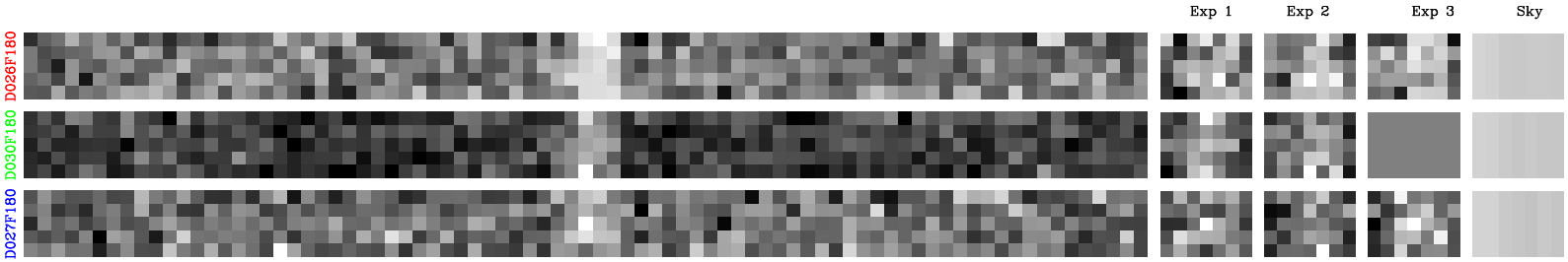
$FWHM_{obs} = 6.49Å$

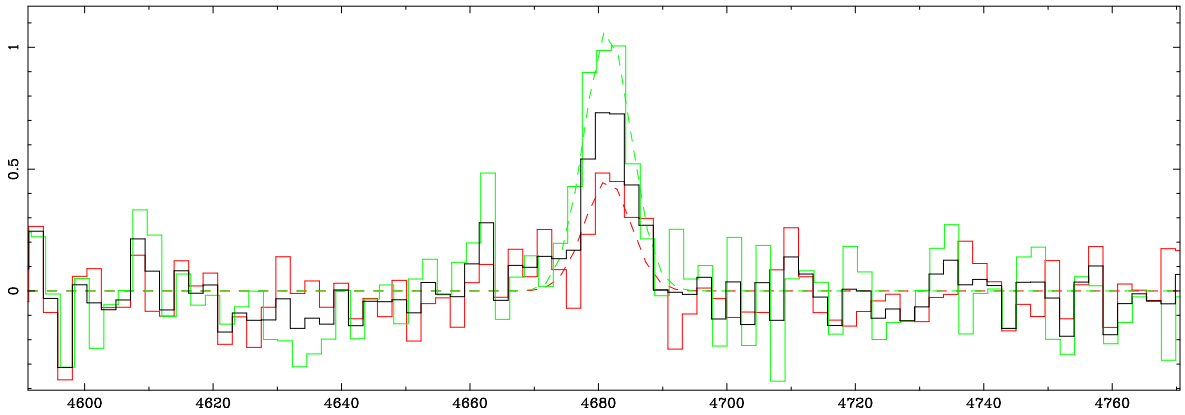
$\lambda_{obs} = 5015.31Å$

$EW_{obs} = 78.36Å$

$\alpha_{2000} = 189.0848°$

$\delta_{2000} = 62.1760°$





$S/N = 10.94$

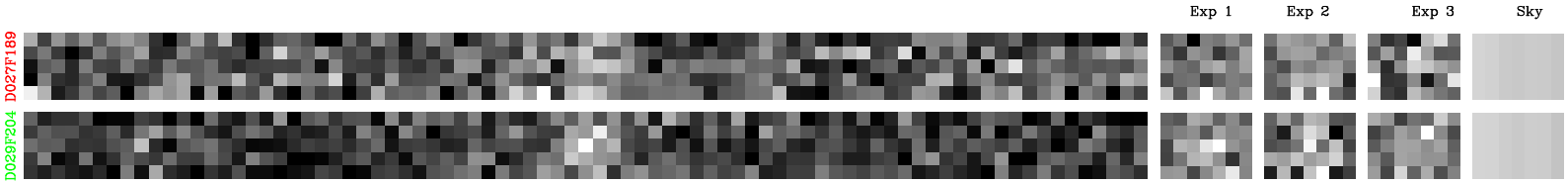
$FWHM_{obs} = 8.54Å$

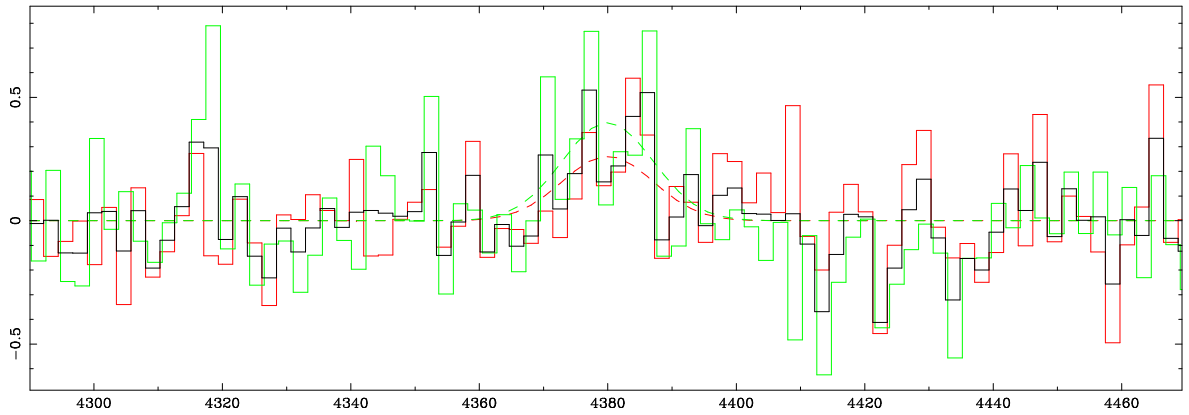
$\lambda_{obs} = 4681.42Å$

$EW_{obs} > 141.87Å$

$\alpha_{2000} = 189.0626°$

$\delta_{2000} = 62.1737°$





S/N = 6.32

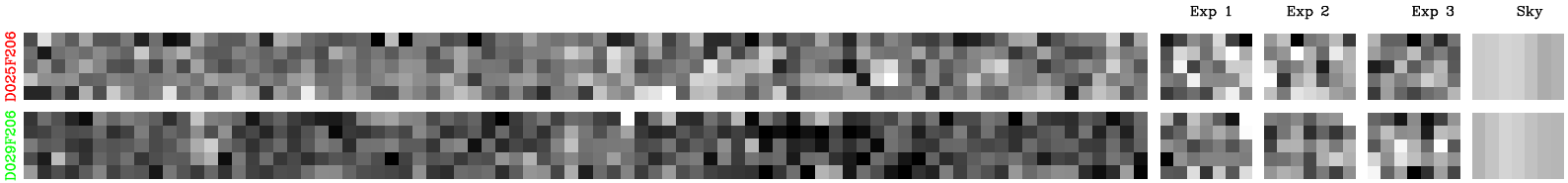
$FWHM_{obs}$ = 16.69Å

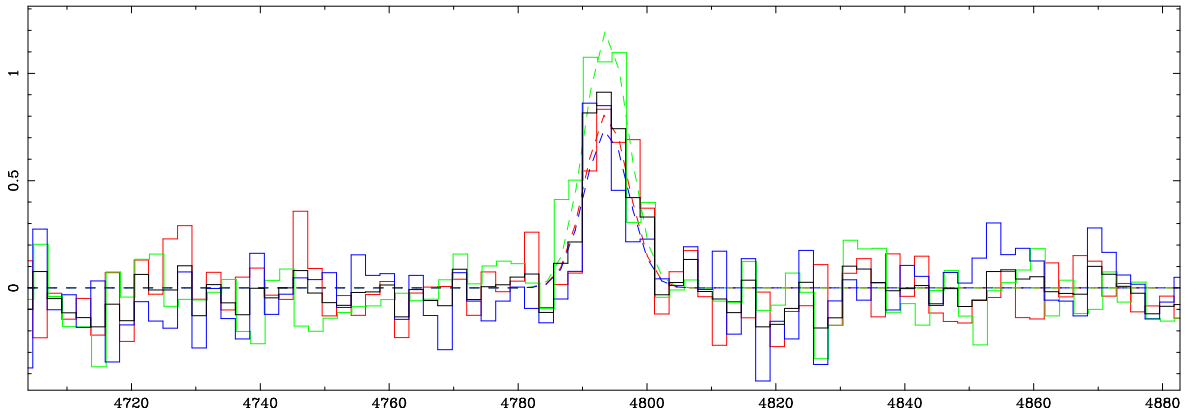
λ_{obs} = 4379.99Å

EW_{obs} > 120.99Å

α_{2000} = 189.0722°

δ_{2000} = 62.1734°





$S/N = 17.25$

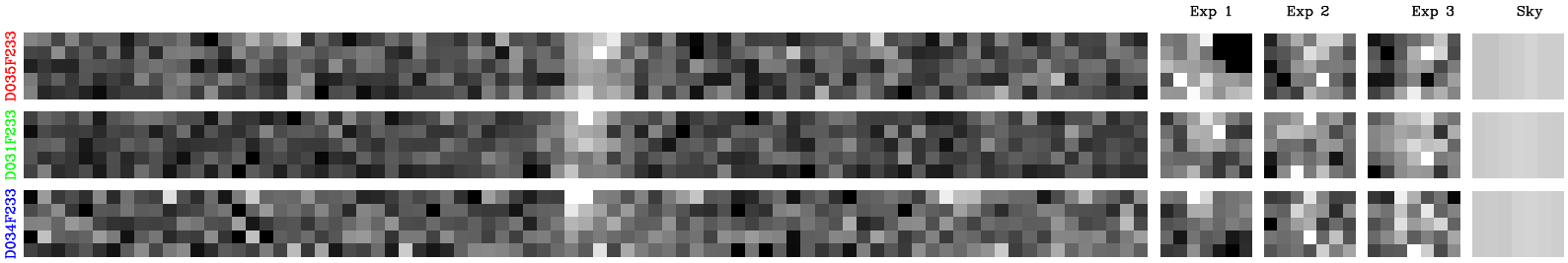
$FWHM_{obs} = 8.07Å$

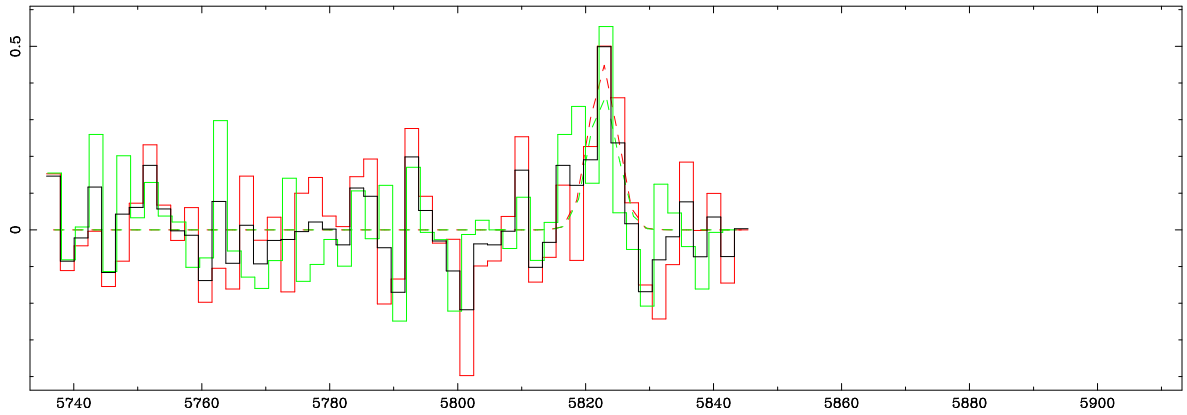
$\lambda_{obs} = 4793.73Å$

$EW_{obs} = 52.39Å$

$\alpha_{2000} = 189.0591°$

$\delta_{2000} = 62.1968°$





$S/N = 5.39$

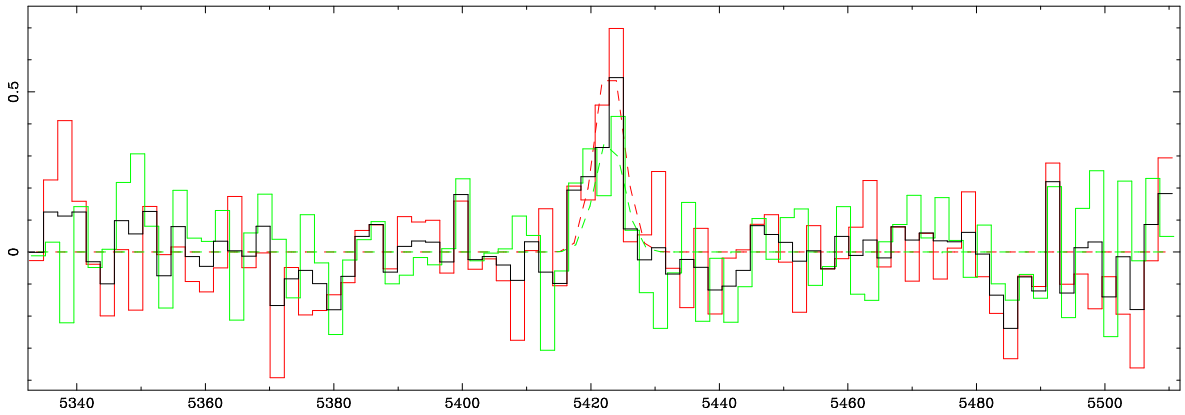
$FWHM_{obs} = 5.21$Å

$\lambda_{obs} = 5822.72$Å

$EW_{obs} > 43.16$Å

$\alpha_{2000} = 189.0967°$

$\delta_{2000} = 62.1906°$



$S/N = 6.27$

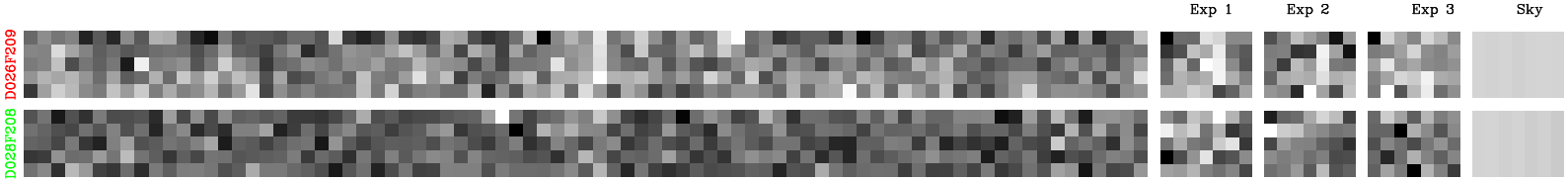
$FWHM_{obs} = 5.21Å$

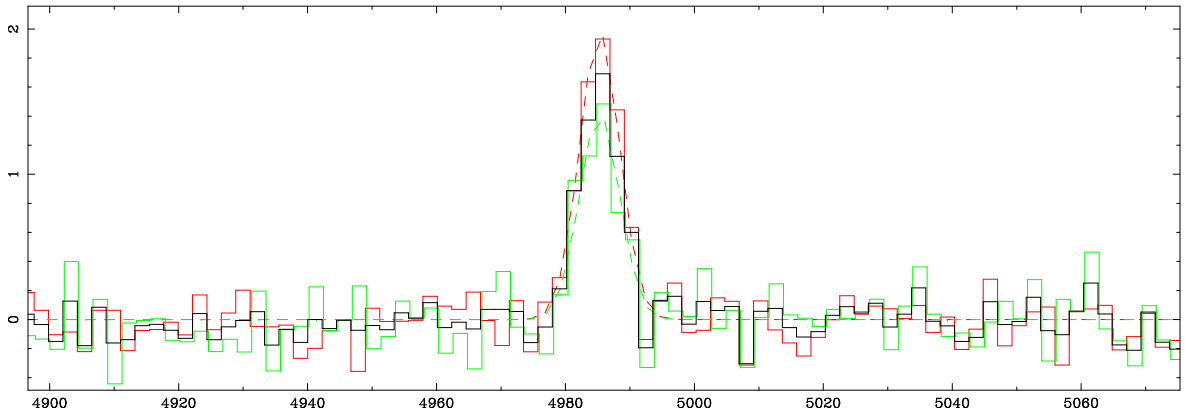
$\lambda_{obs} = 5422.86Å$

$EW_{obs} = 27.41Å$

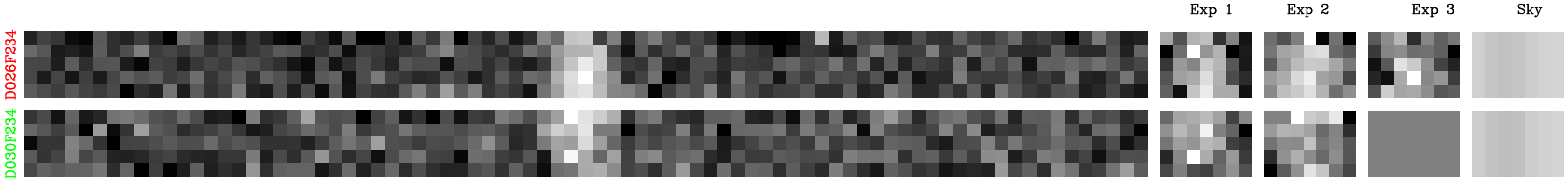
$\alpha_{2000} = 189.0833°$

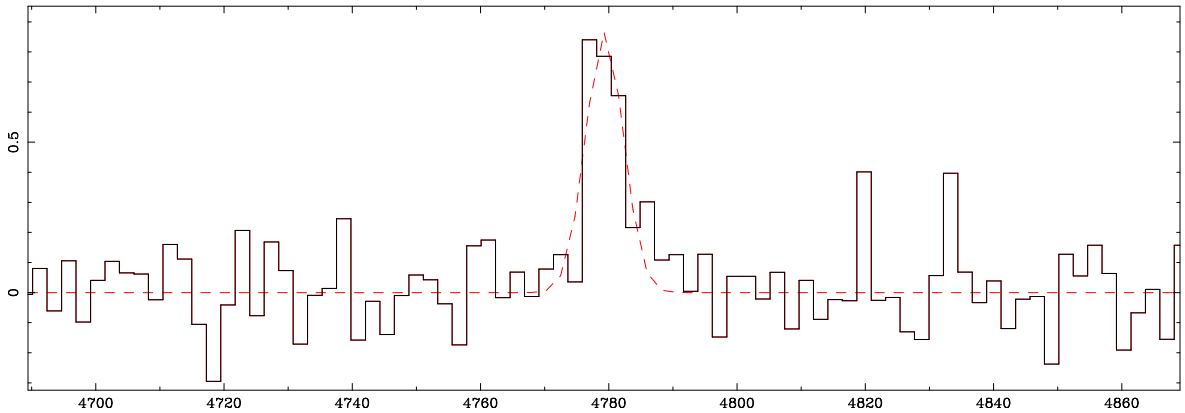
$\delta_{2000} = 62.1728°$





S/N = 19.91
$FWHM_{obs}$ = 7.29Å
λ_{obs} = 4985.28Å
EW_{obs} = 42.70Å
α_{2000} = 189.0666°
δ_{2000} = 62.1691°





$S/N = 9.33$

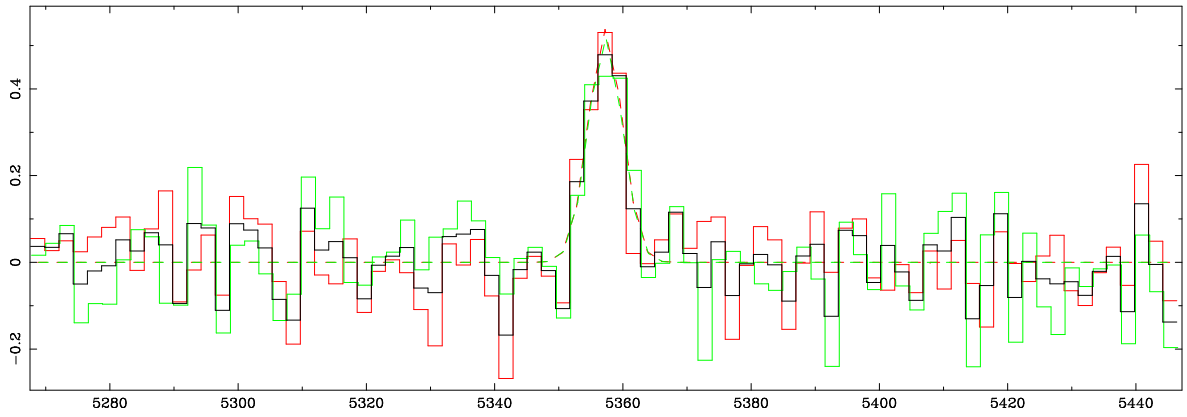
$FWHM_{obs} = 6.90$Å

$\lambda_{obs} = 4779.34$Å

$EW_{obs} > 89.74$Å

$\alpha_{2000} = 189.0730°$

$\delta_{2000} = 62.2194°$



$S/N = 7.62$

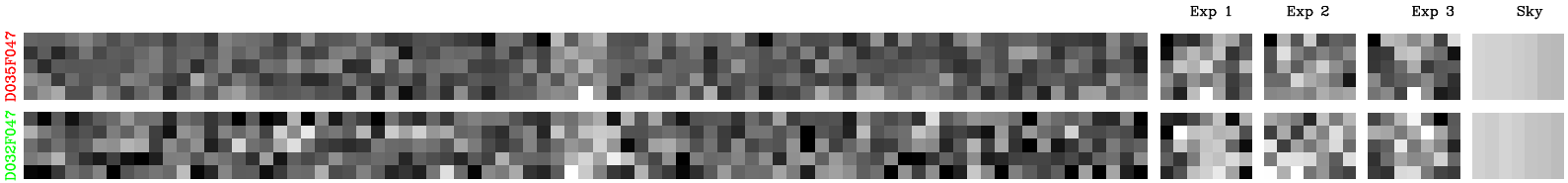
$FWHM_{obs} = 6.23Å$

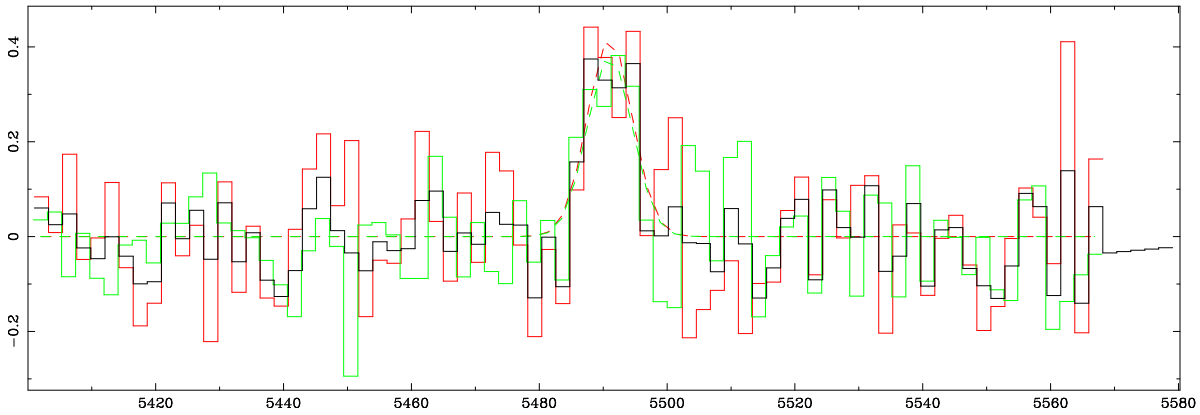
$\lambda_{obs} = 5357.26Å$

$EW_{obs} > 86.44Å$

$\alpha_{2000} = 189.0690°$

$\delta_{2000} = 62.2198°$





S/N = 8.51

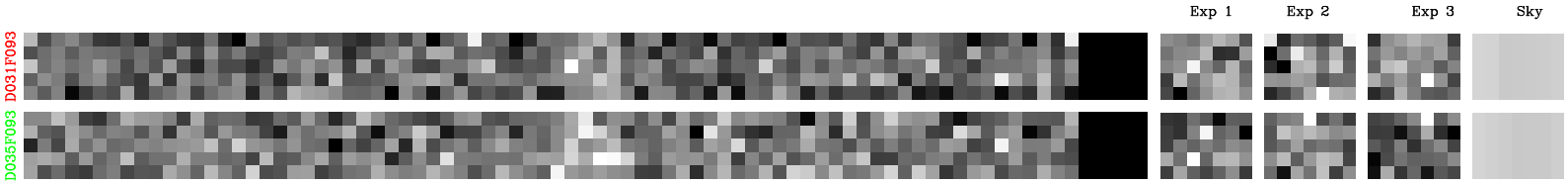
$FWHM_{obs}$ = 8.23Å

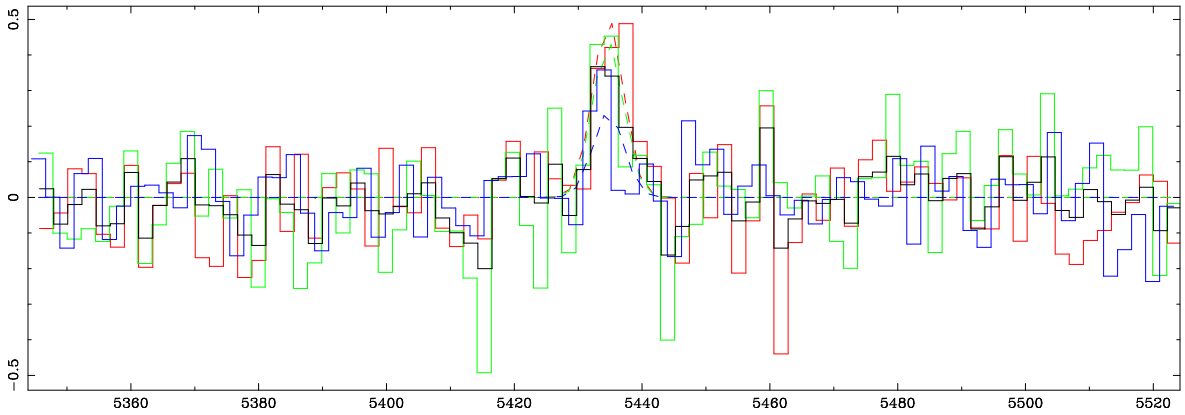
λ_{obs} = 5491.04Å

EW_{obs} = 11.36Å

α_{2000} = 189.0810°

δ_{2000} = 62.2147°





$S/N = 6.80$

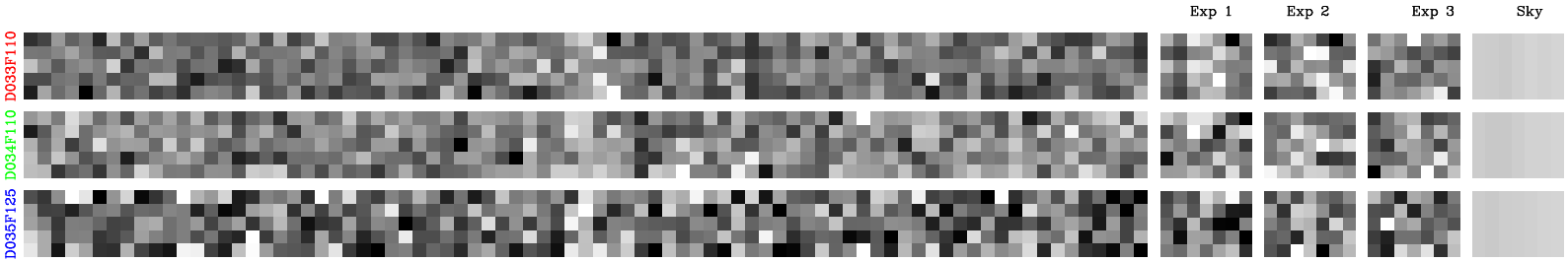
$FWHM_{obs} = 5.71Å$

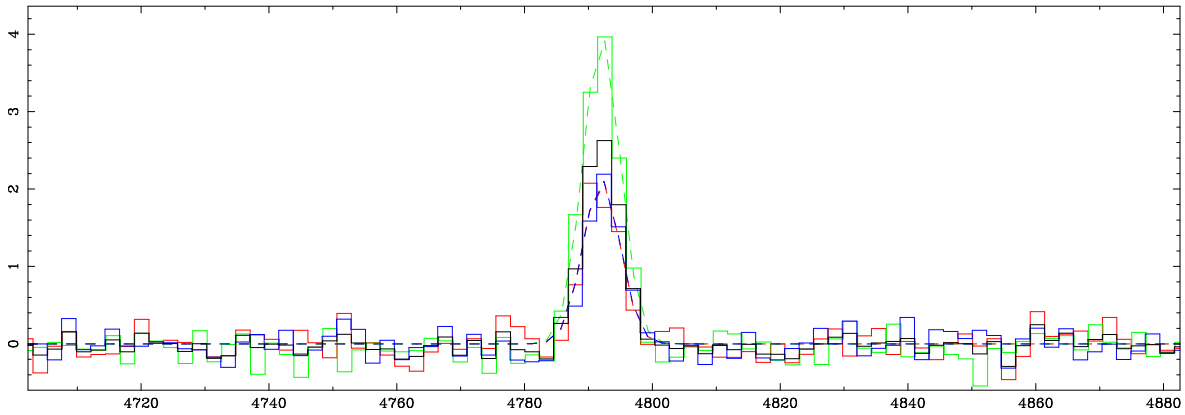
$\lambda_{obs} = 5434.70Å$

$EW_{obs} = 42.03Å$

$\alpha_{2000} = 189.0929°$

$\delta_{2000} = 62.2117°$





S/N = 35.24

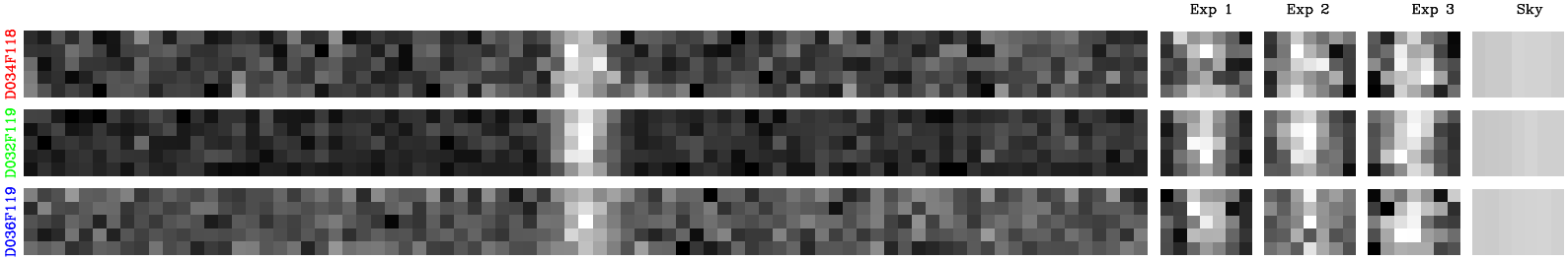
$FWHM_{obs}$ = 6.83Å

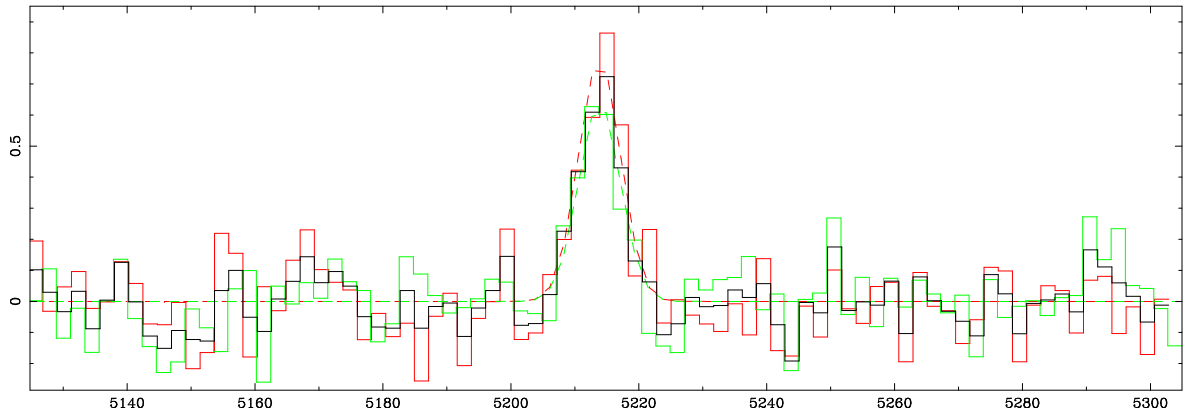
λ_{obs} = 4792.04Å

EW_{obs} = 33.72Å

α_{2000} = 189.0661°

δ_{2000} = 62.2104°





S/N = 12.69

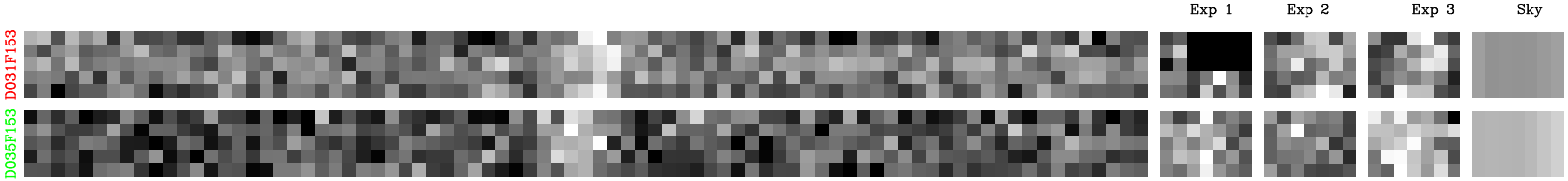
$FWHM_{obs}$ = 7.68Å

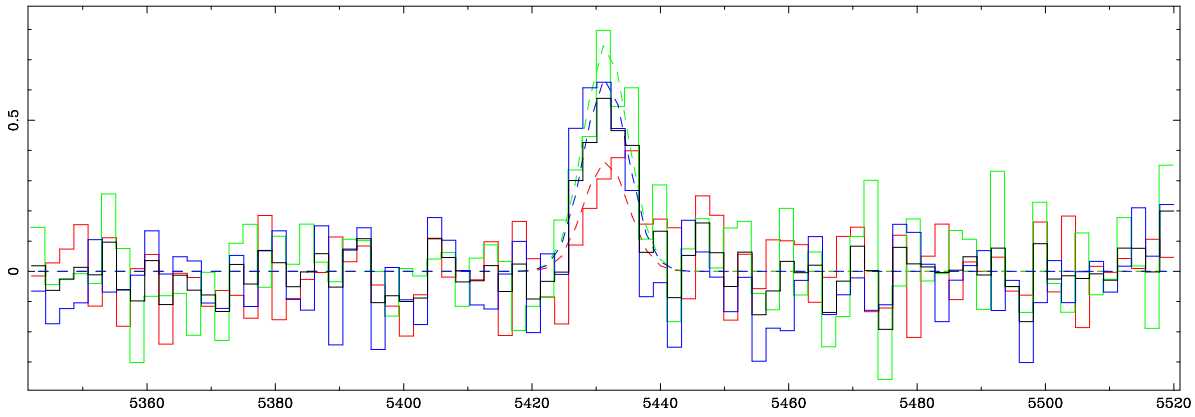
λ_{obs} = 5213.86Å

EW_{obs} = 21.60Å

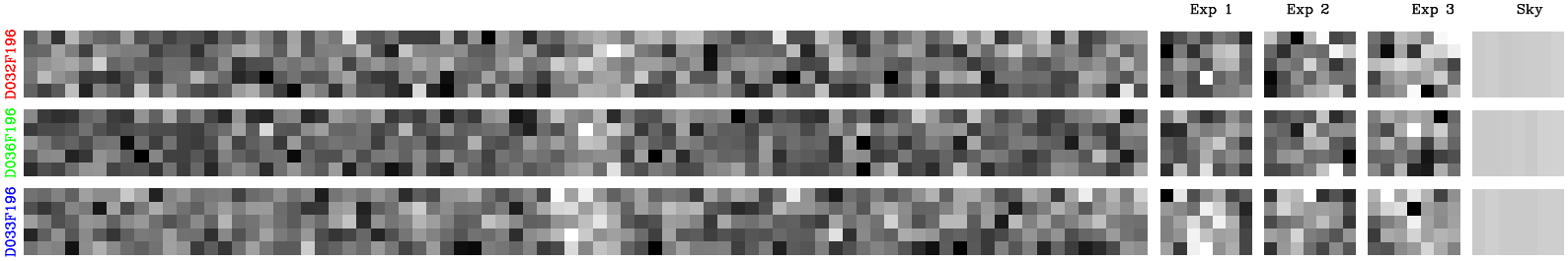
α_{2000} = 189.0896°

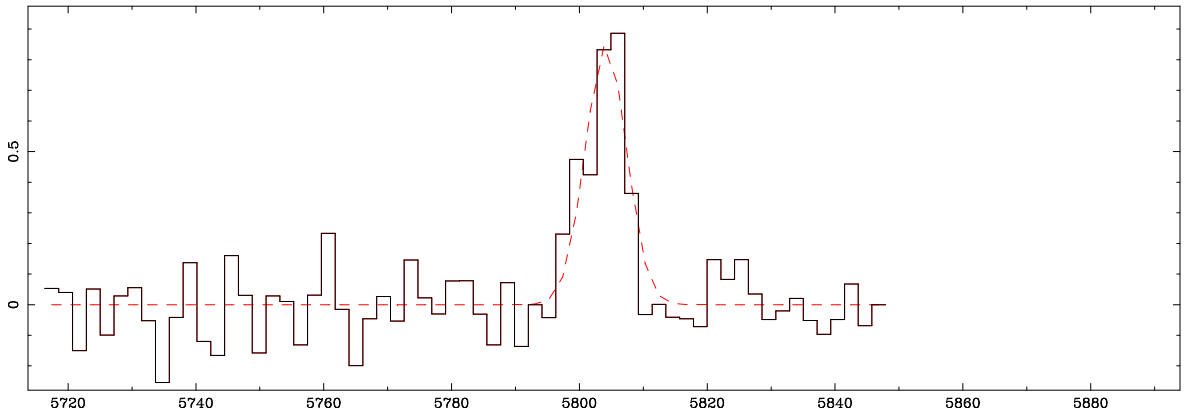
δ_{2000} = 62.2075°





S/N = 11.01
$FWHM_{obs}$ = 8.16Å
λ_{obs} = 5431.51Å
EW_{obs} = 59.23Å
α_{2000} = 189.0866°
δ_{2000} = 62.2011°





S/N = 9.51

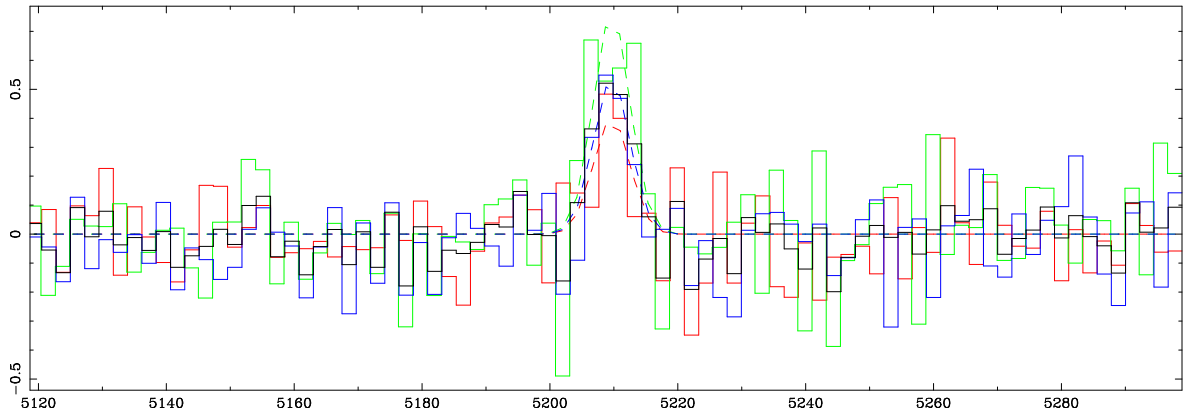
$FWHM_{obs}$ = 7.53Å

λ_{obs} = 5804.16Å

EW_{obs} = 45.93Å

α_{2000} = 189.1109°

δ_{2000} = 62.2145°



$S/N = 9.33$

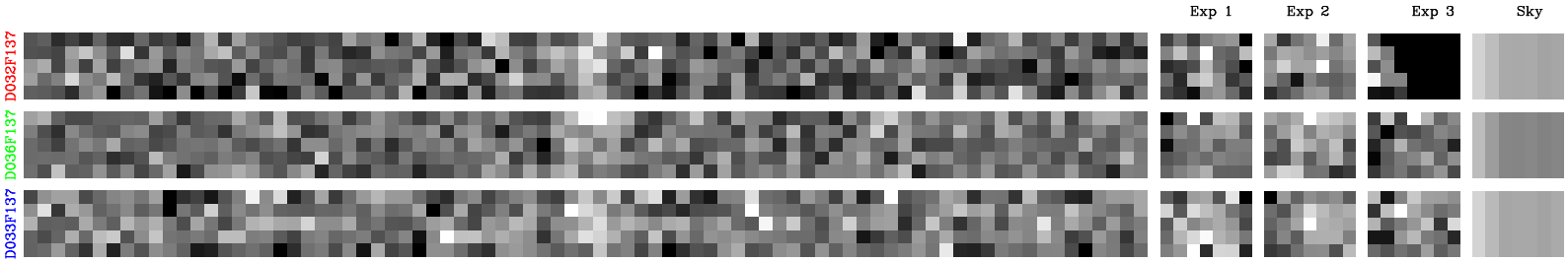
$FWHM_{obs} = 6.79$Å

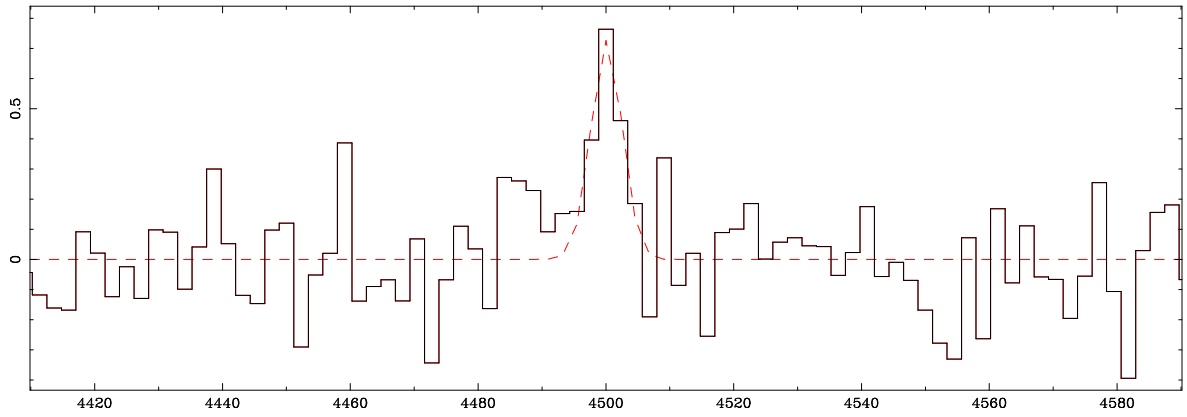
$\lambda_{obs} = 5209.65$Å

$EW_{obs} > 108.78$Å

$\alpha_{2000} = 189.0824°$

$\delta_{2000} = 62.2083°$





S/N = 5.43

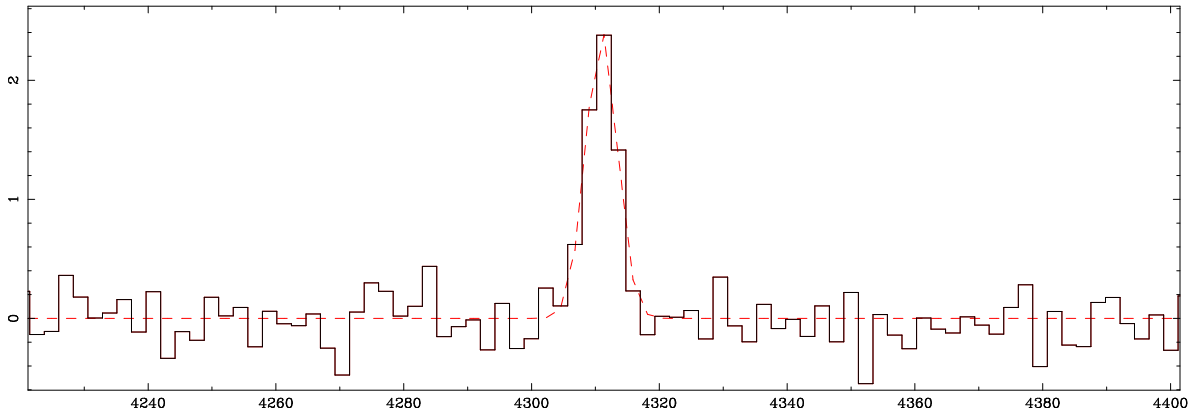
$FWHM_{obs}$ = 5.71Å

λ_{obs} = 4500.11Å

EW_{obs} > 46.70Å

α_{2000} = 189.0593°

δ_{2000} = 62.2371°



$S/N = 12.65$

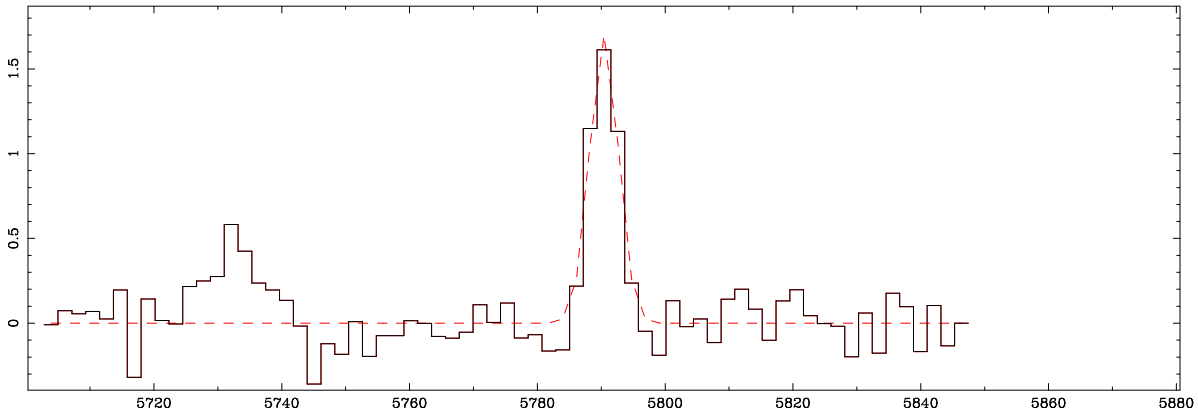
$FWHM_{obs} = 5.79Å$

$\lambda_{obs} = 4310.96Å$

$EW_{obs} = 90.69Å$

$\alpha_{2000} = 189.0724°$

$\delta_{2000} = 62.2382°$



$S/N = 8.89$

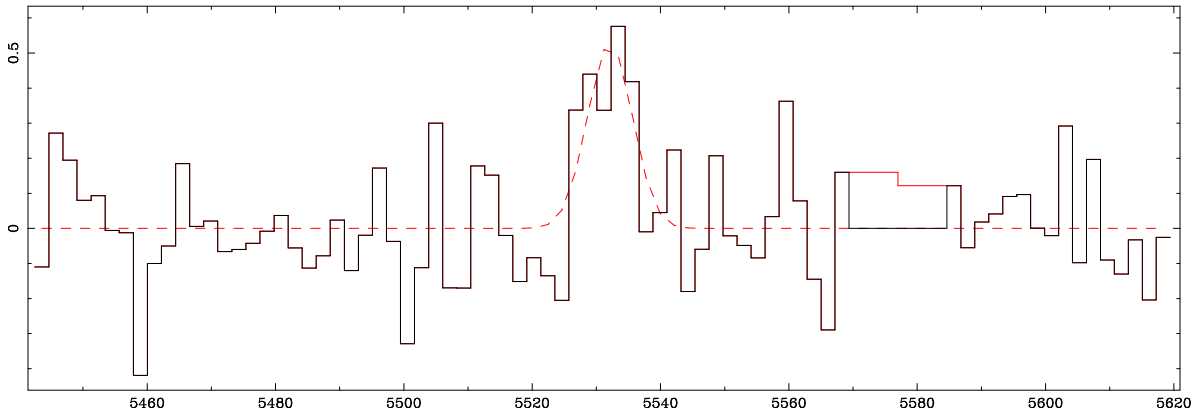
$FWHM_{obs} = 5.24Å$

$\lambda_{obs} = 5790.43Å$

$EW_{obs} = 29.26Å$

$\alpha_{2000} = 189.0722°$

$\delta_{2000} = 62.2382°$



$S/N = 5.95$

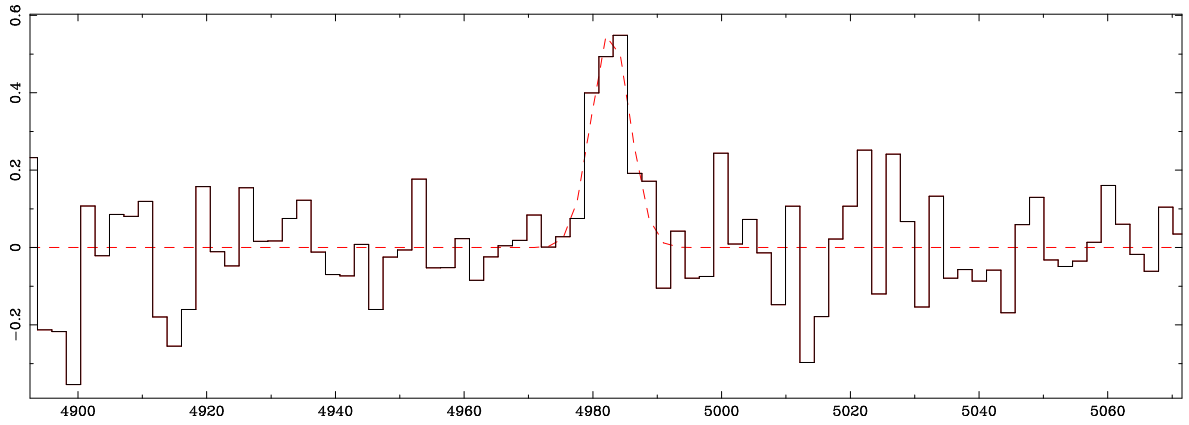
$FWHM_{obs} = 8.20Å$

$\lambda_{obs} = 5532.13Å$

$EW_{obs} > 66.87Å$

$\alpha_{2000} = 189.0961°$

$\delta_{2000} = 62.2292°$



S/N = 6.29

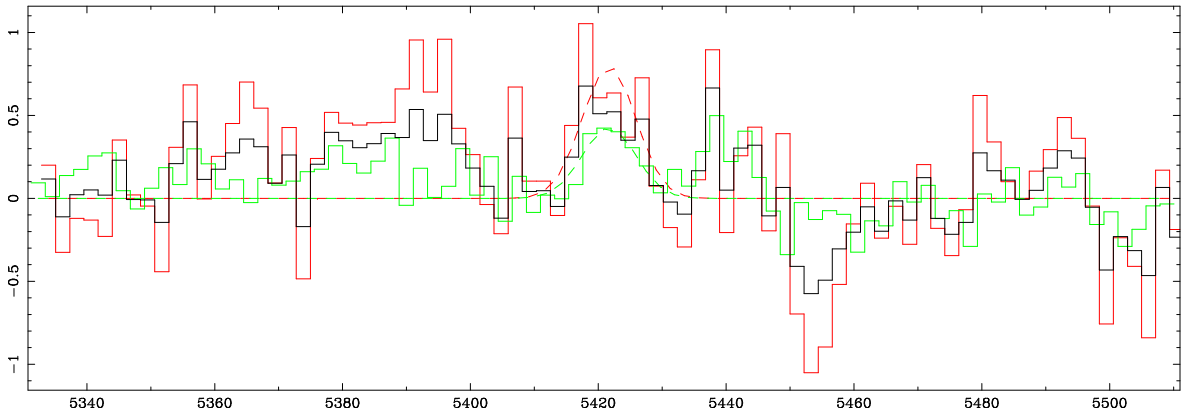
$FWHM_{obs}$ = 6.96Å

λ_{obs} = 4982.77Å

EW_{obs} > 72.79Å

α_{2000} = 189.0747°

δ_{2000} = 62.2495°



S/N = 6.61

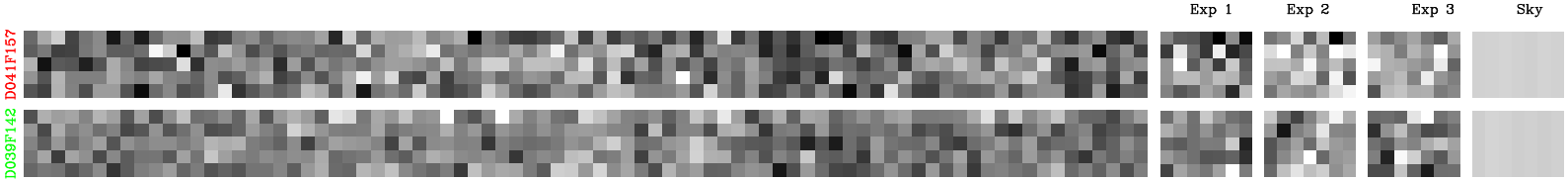
$FWHM_{obs}$ = 9.91Å

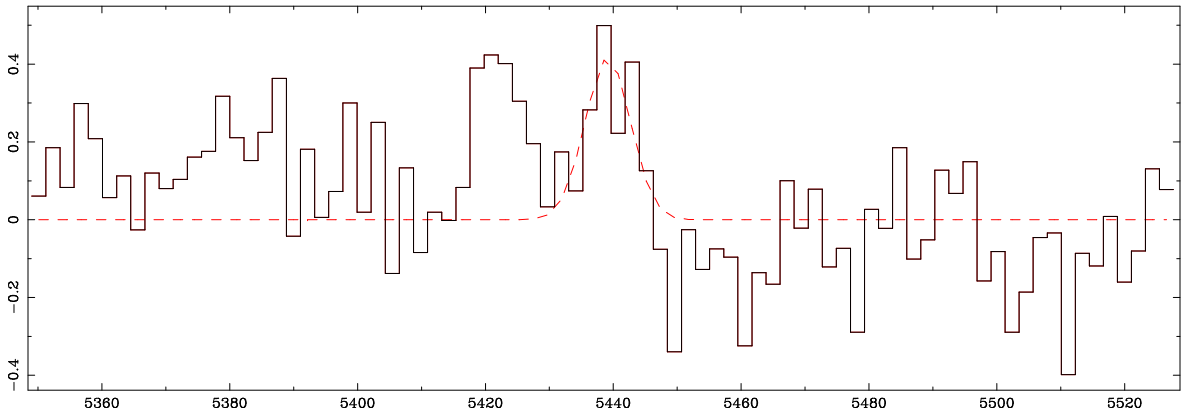
λ_{obs} = 5421.69Å

EW_{obs} = 4.65Å

α_{2000} = 189.1055°

δ_{2000} = 62.2347°





$S/N = 5.19$

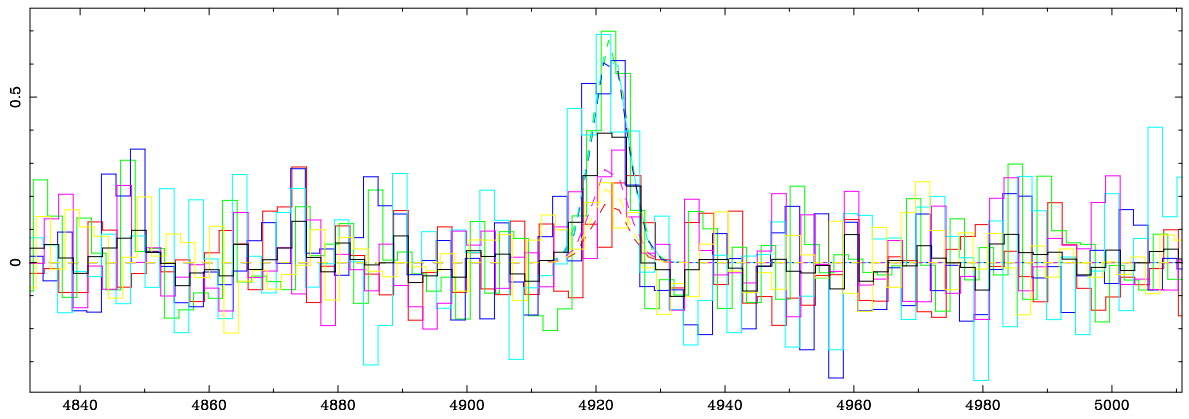
$FWHM_{obs} = 8.36$Å

$\lambda_{obs} = 5439.15$Å

$EW_{obs} = 3.65$Å

$\alpha_{2000} = 189.1048°$

$\delta_{2000} = 62.2351°$



$S/N = 11.64$

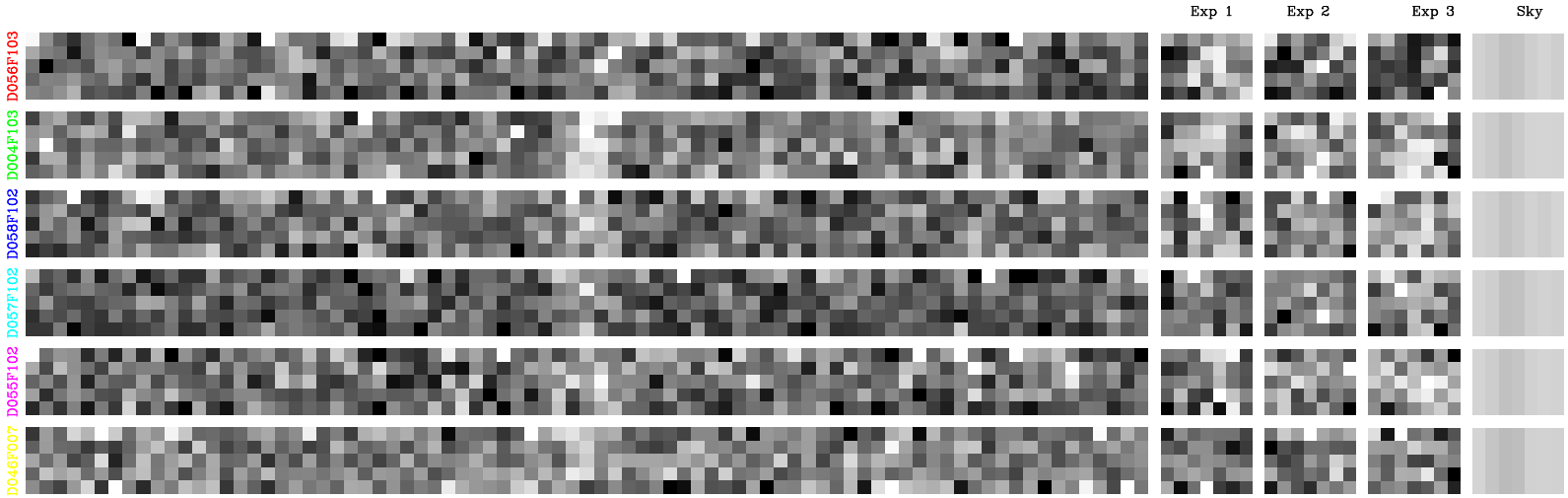
$FWHM_{obs} = 6.47Å$

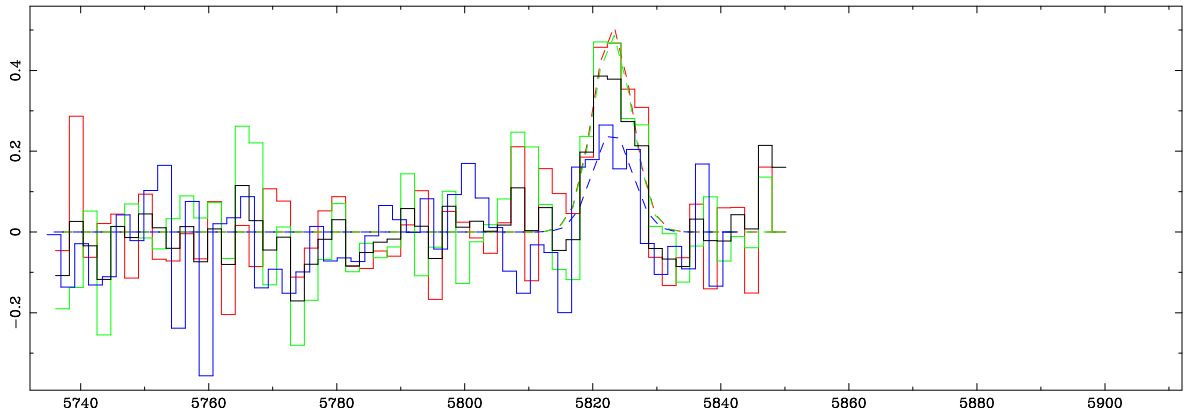
$\lambda_{obs} = 4922.15Å$

$EW_{obs} = 30.00Å$

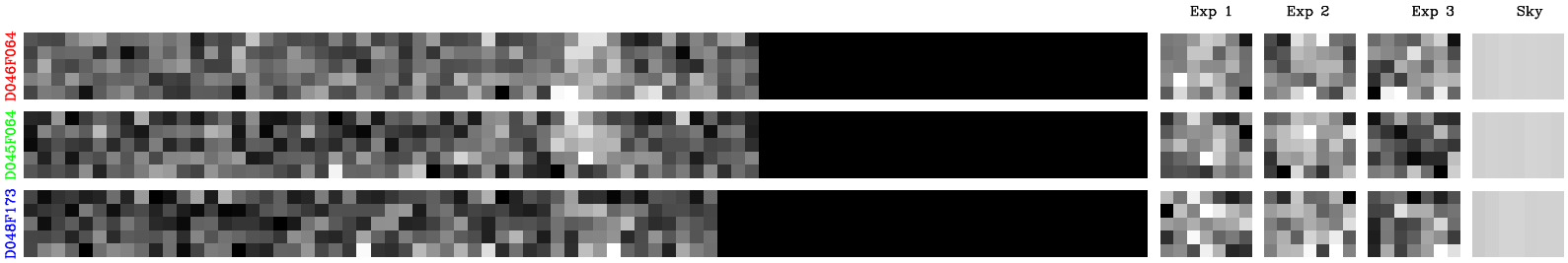
$\alpha_{2000} = 189.2443°$

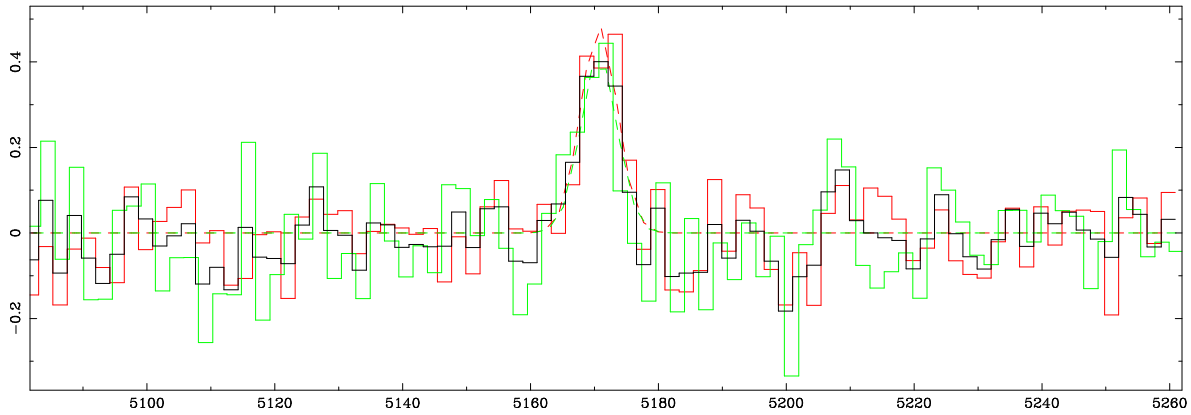
$\delta_{2000} = 62.2148°$





S/N = 8.80
$FWHM_{obs}$ = 7.12Å
λ_{obs} = 5823.06Å
EW_{obs} = 49.71Å
α_{2000} = 189.2380°
δ_{2000} = 62.2075°





$S/N = 8.14$

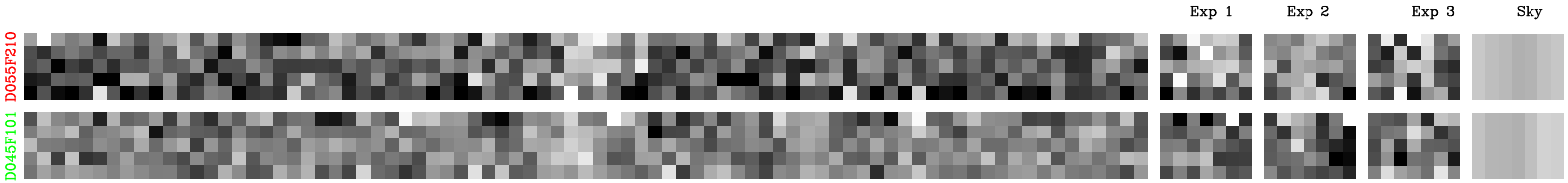
$FWHM_{obs} = 6.72Å$

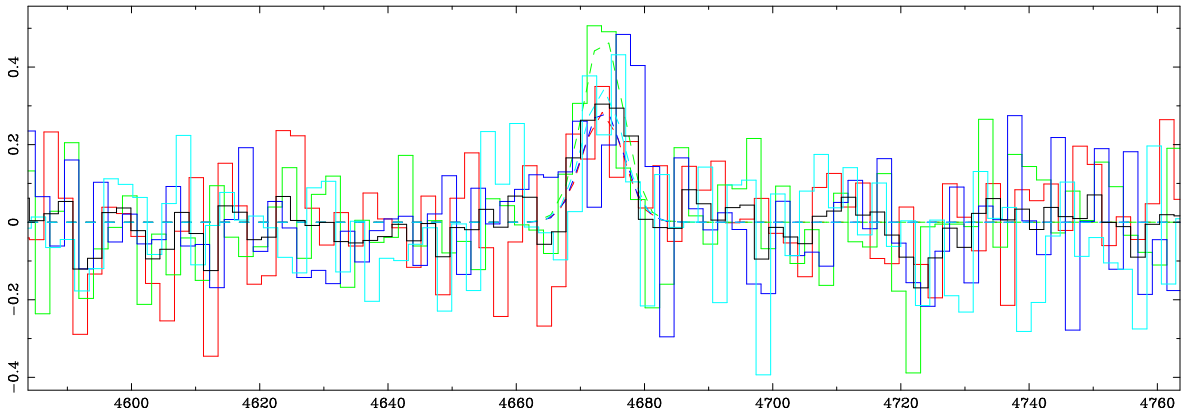
$\lambda_{obs} = 5170.70Å$

$EW_{obs} = 42.99Å$

$\alpha_{2000} = 189.2717°$

$\delta_{2000} = 62.2032°$





$S/N = 8.14$

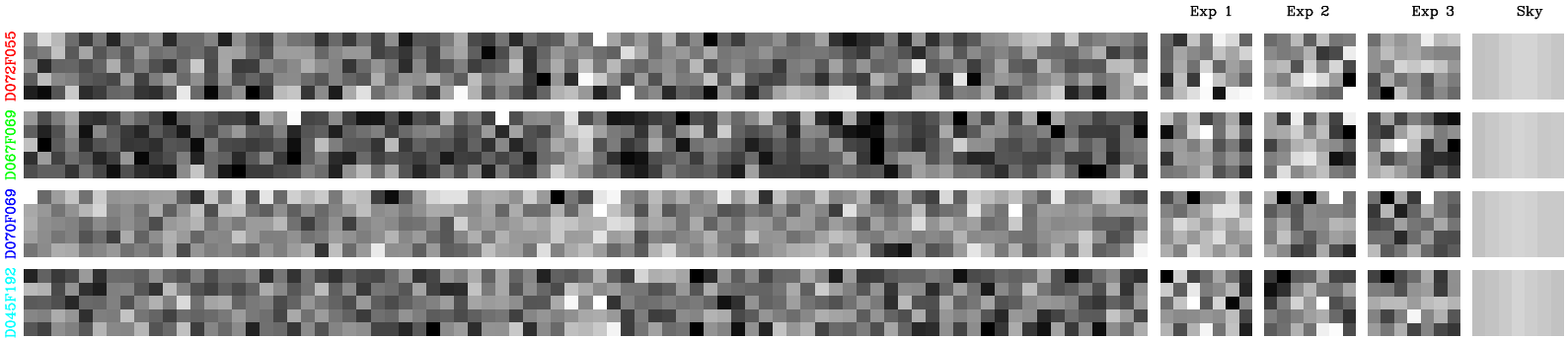
$FWHM_{obs} = 7.50Å$

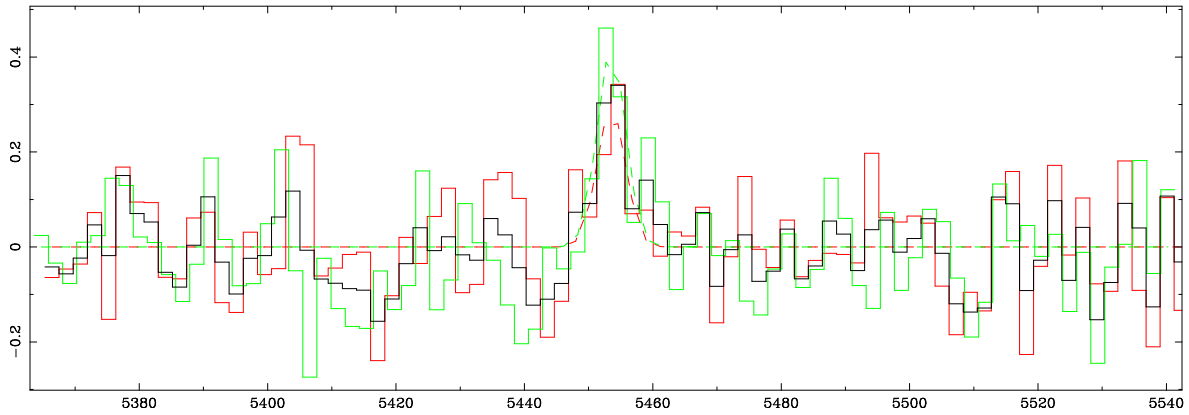
$\lambda_{obs} = 4673.52Å$

$EW_{obs} = 36.09Å$

$\alpha_{2000} = 189.2280°$

$\delta_{2000} = 62.1912°$





$S/N = 5.87$

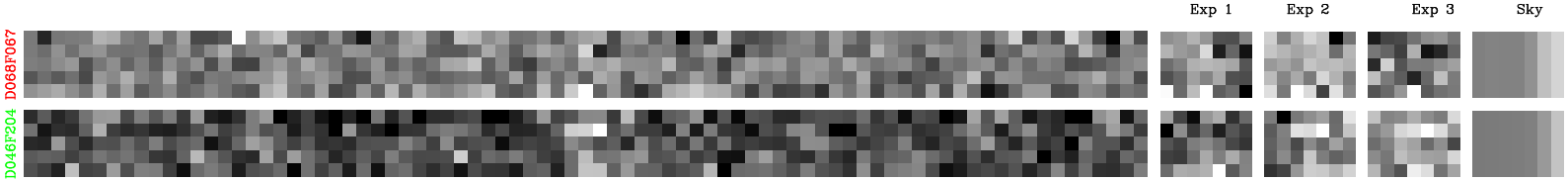
$FWHM_{obs} = 5.20$Å

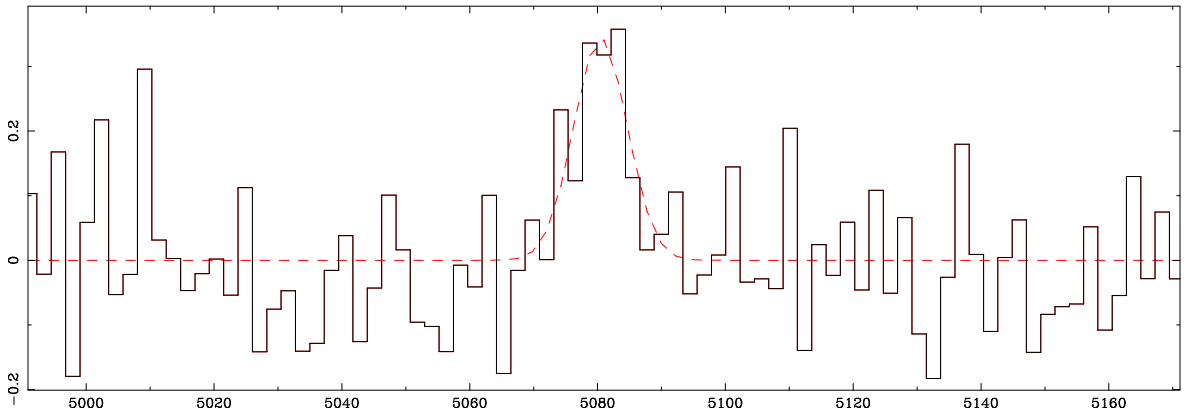
$\lambda_{obs} = 5453.53$Å

$EW_{obs} > 61.22$Å

$\alpha_{2000} = 189.2168°$

$\delta_{2000} = 62.1905°$





S/N = 6.26

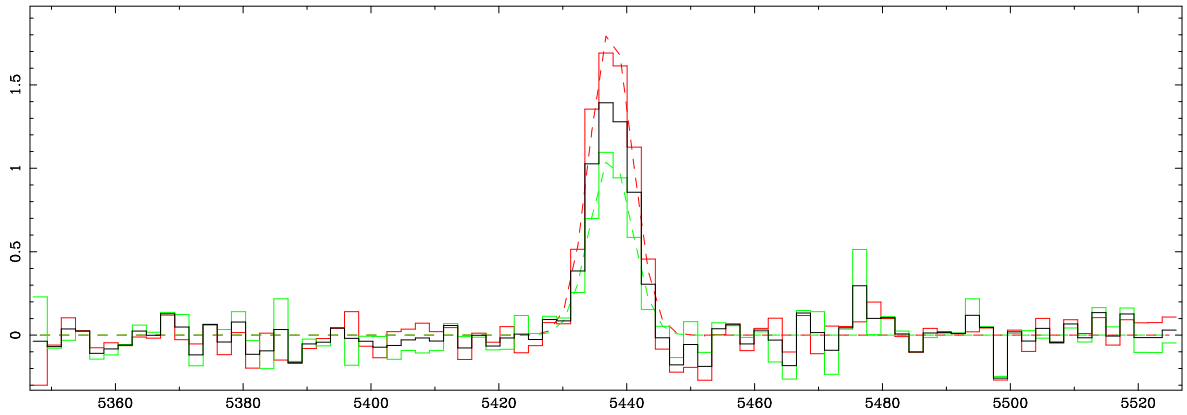
$FWHM_{obs}$ = 9.86Å

λ_{obs} = 5080.46Å

EW_{obs} > 85.68Å

α_{2000} = 189.1437°

δ_{2000} = 62.2149°



S/N = 26.70

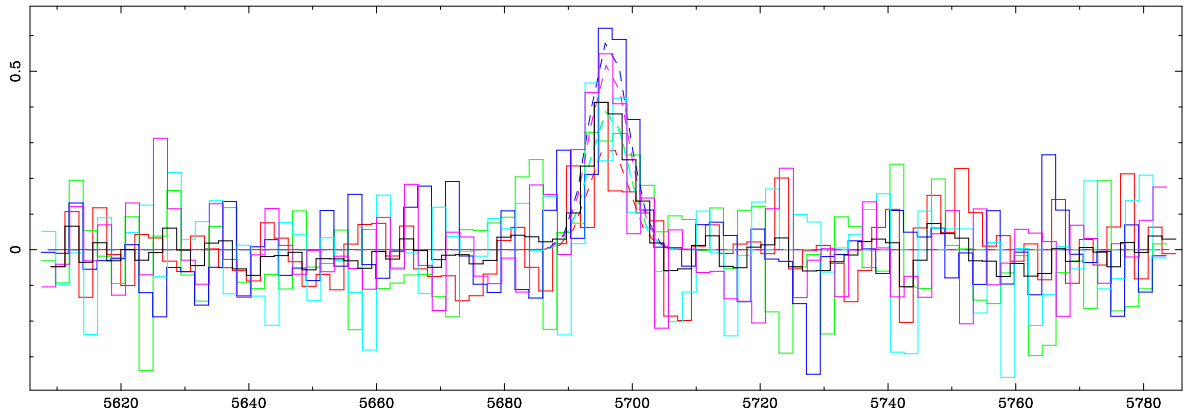
$FWHM_{obs}$ = 7.77Å

λ_{obs} = 5437.52Å

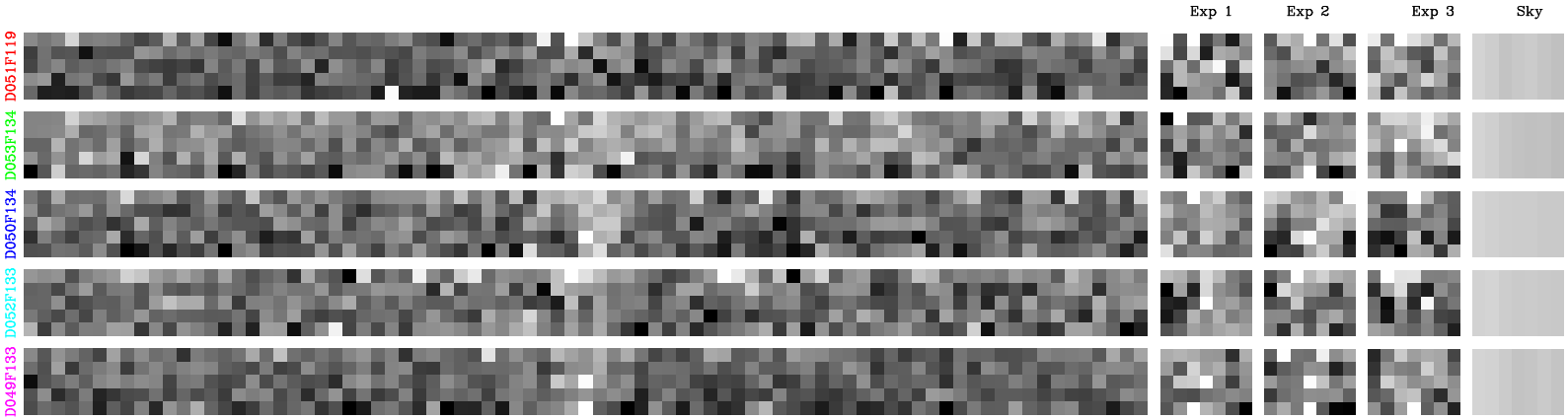
EW_{obs} = 51.67Å

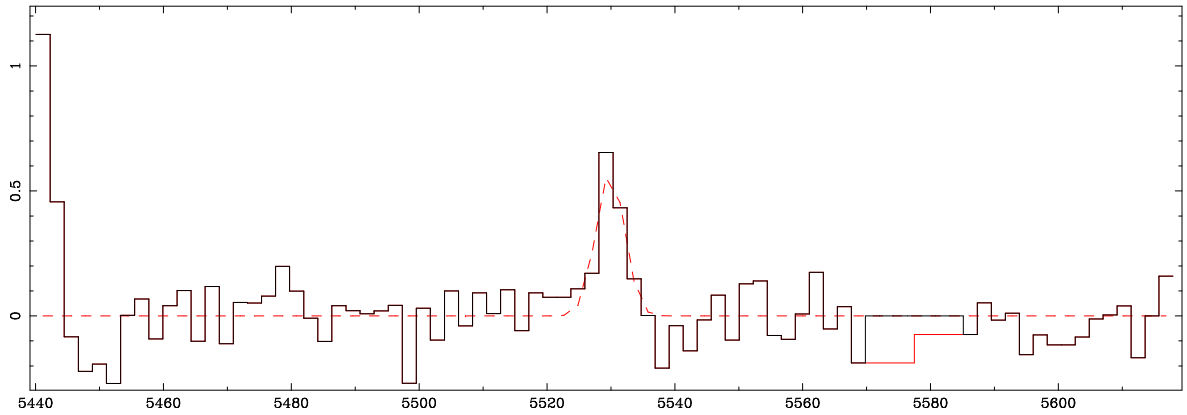
α_{2000} = 189.1559°

δ_{2000} = 62.2114°



S/N = 11.20
$FWHM_{obs}$ = 7.22Å
λ_{obs} = 5696.32Å
EW_{obs} = 49.99Å
α_{2000} = 189.1322°
δ_{2000} = 62.2114°





S/N = 6.42

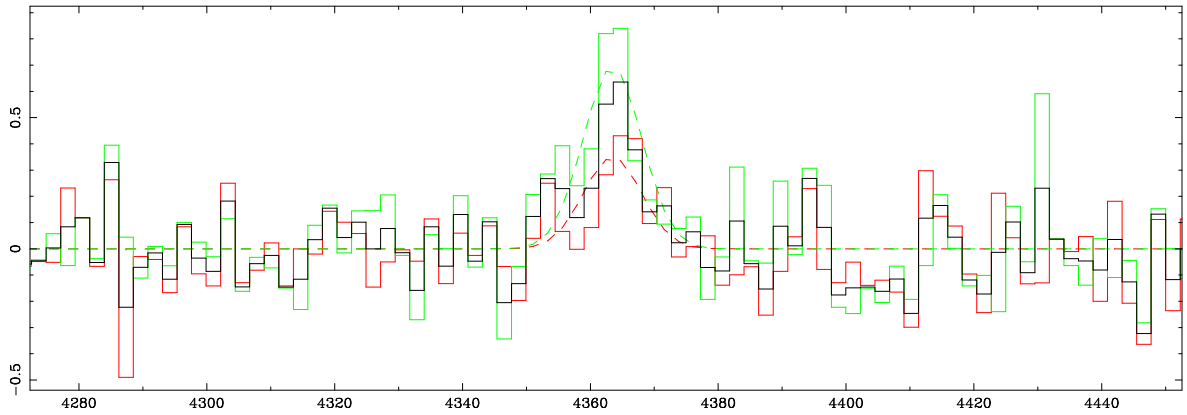
$FWHM_{obs}$ = 5.20Å

λ_{obs} = 5529.89Å

EW_{obs} = 8.18Å

α_{2000} = 189.1565°

δ_{2000} = 62.2114°



S/N = 7.93

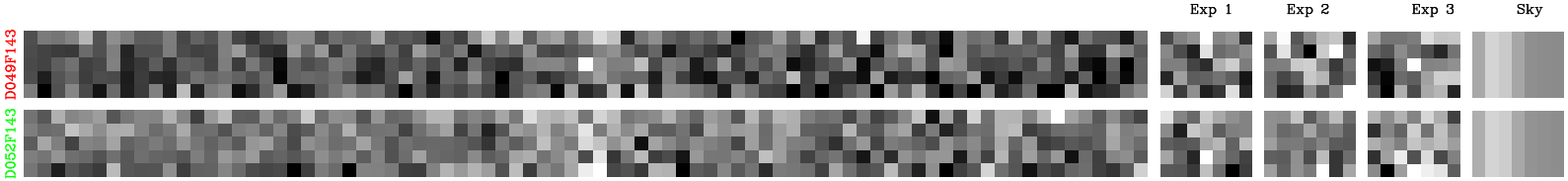
$FWHM_{obs}$ = 10.80Å

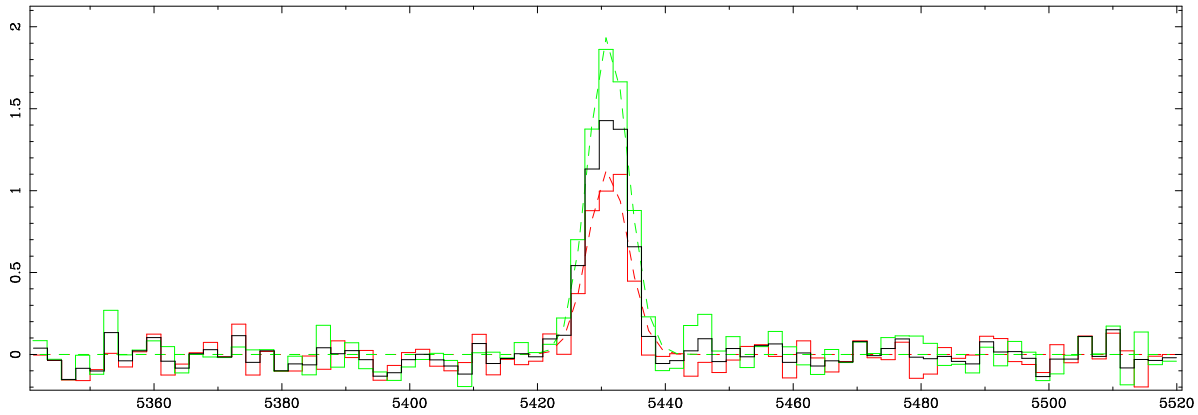
λ_{obs} = 4363.47Å

EW_{obs} > 117.26Å

α_{2000} = 189.1741°

δ_{2000} = 62.2108°





S/N = 25.80

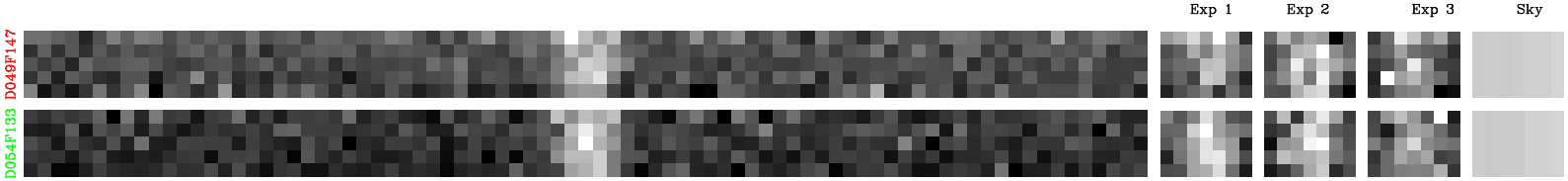
$FWHM_{obs}$ = 7.38Å

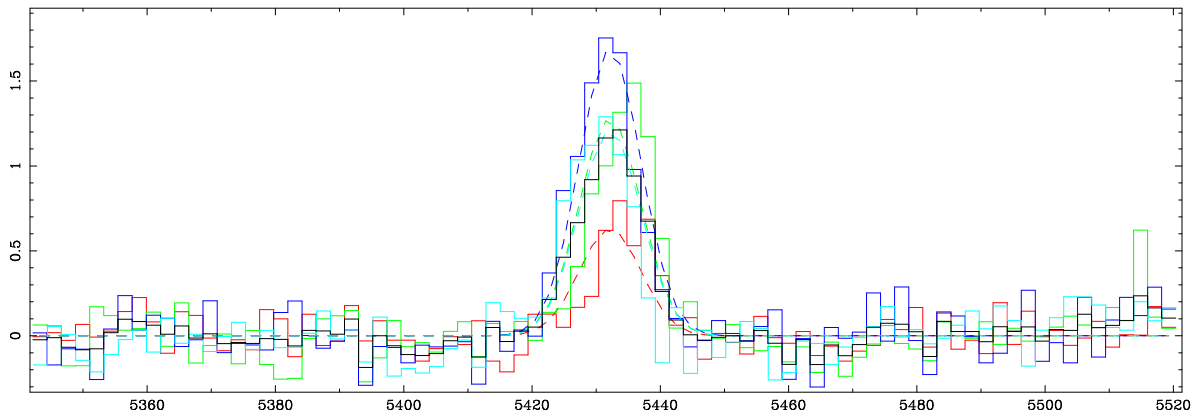
λ_{obs} = 5431.03Å

EW_{obs} = 112.09Å

α_{2000} = 189.1290°

δ_{2000} = 62.2102°





S/N = 34.91

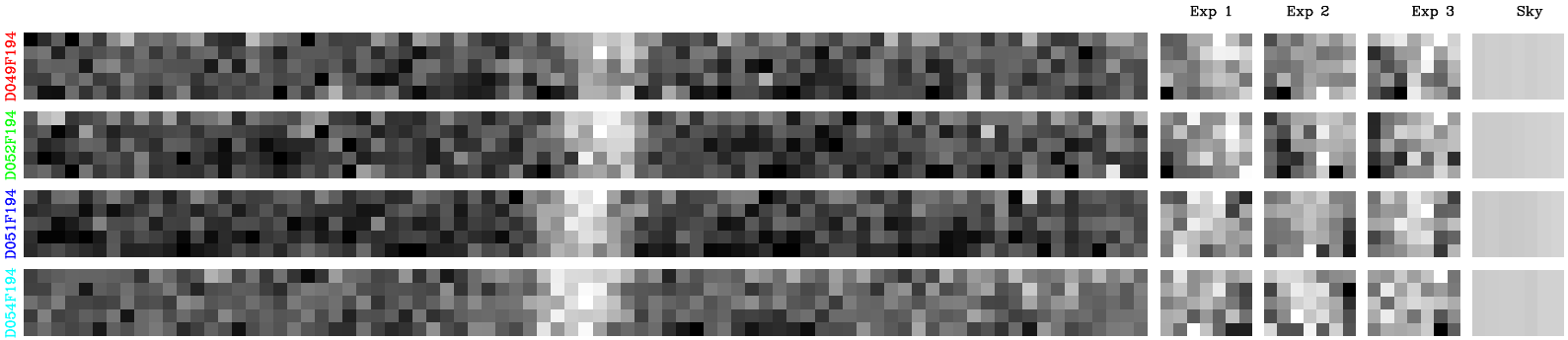
$FWHM_{obs}$ = 11.41Å

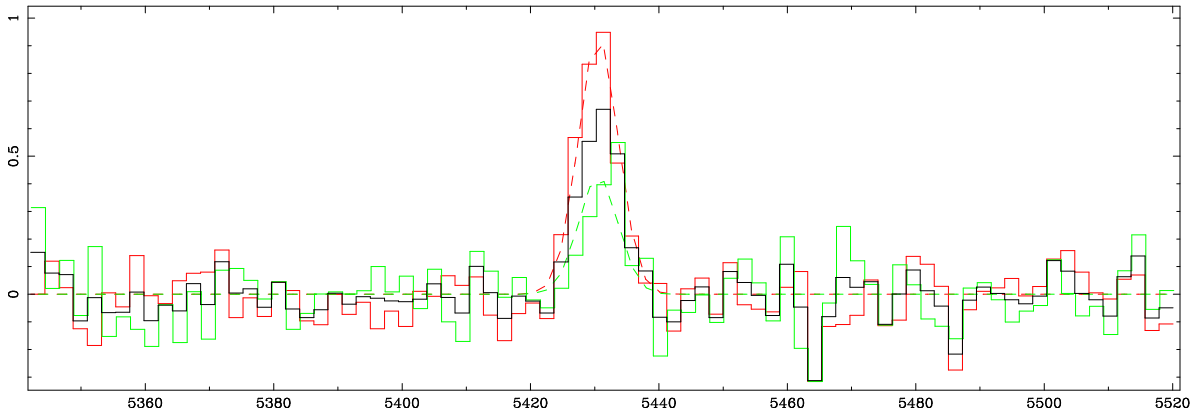
λ_{obs} = 5432.17Å

EW_{obs} = 41.05Å

α_{2000} = 189.1431°

δ_{2000} = 62.2037°





S/N = 11.95

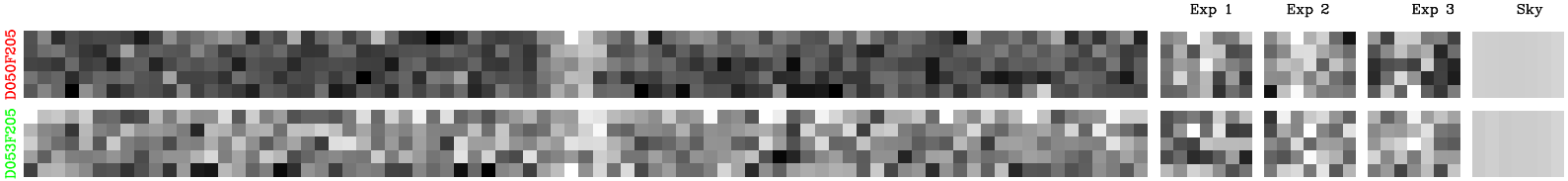
$FWHM_{obs}$ = 7.29Å

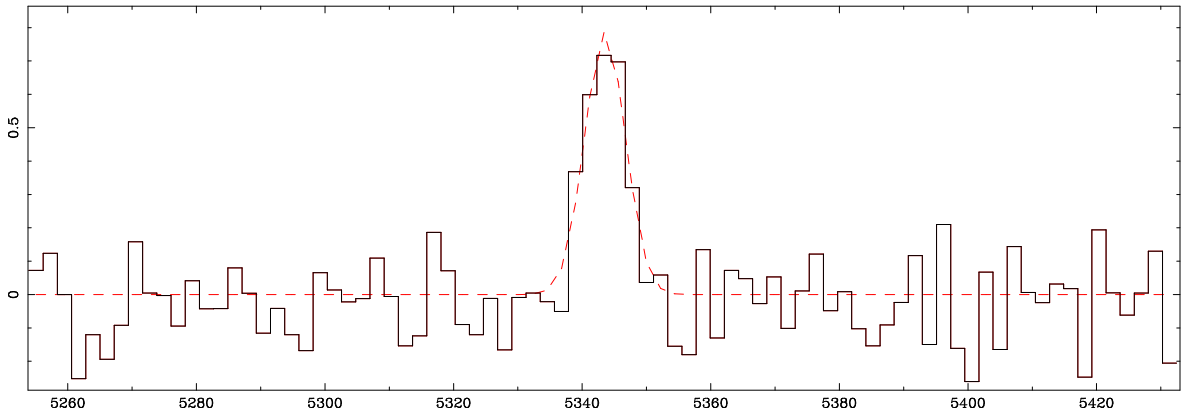
λ_{obs} = 5430.54Å

EW_{obs} = 35.23Å

α_{2000} = 189.1264°

δ_{2000} = 62.2025°





S/N = 7.42

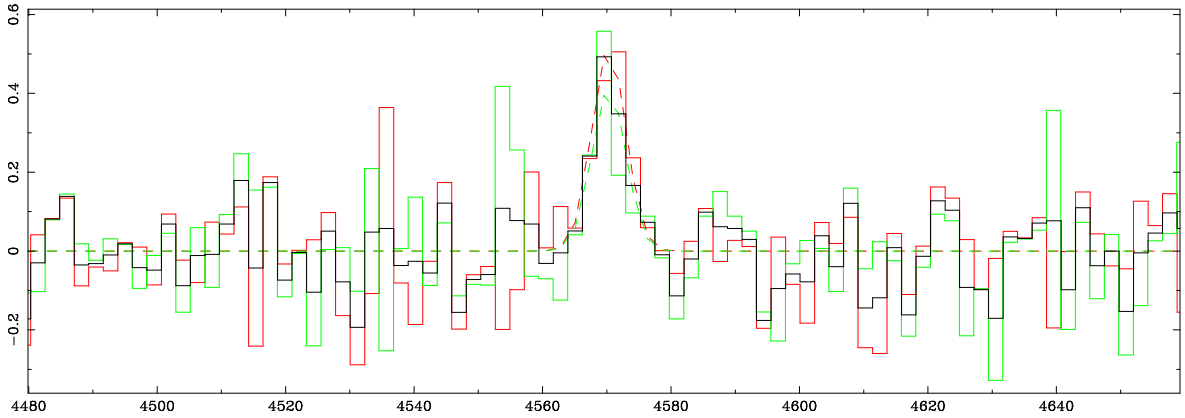
$FWHM_{obs}$ = 7.42Å

λ_{obs} = 5343.55Å

EW_{obs} = 31.28Å

α_{2000} = 189.1740°

δ_{2000} = 62.2015°



$S/N = 5.78$

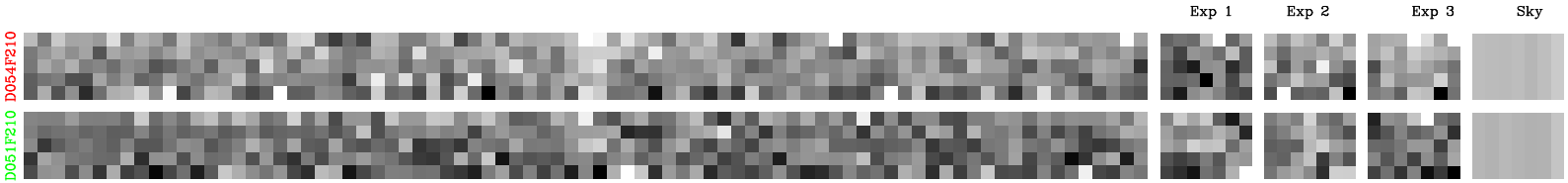
$FWHM_{obs} = 6.24$Å

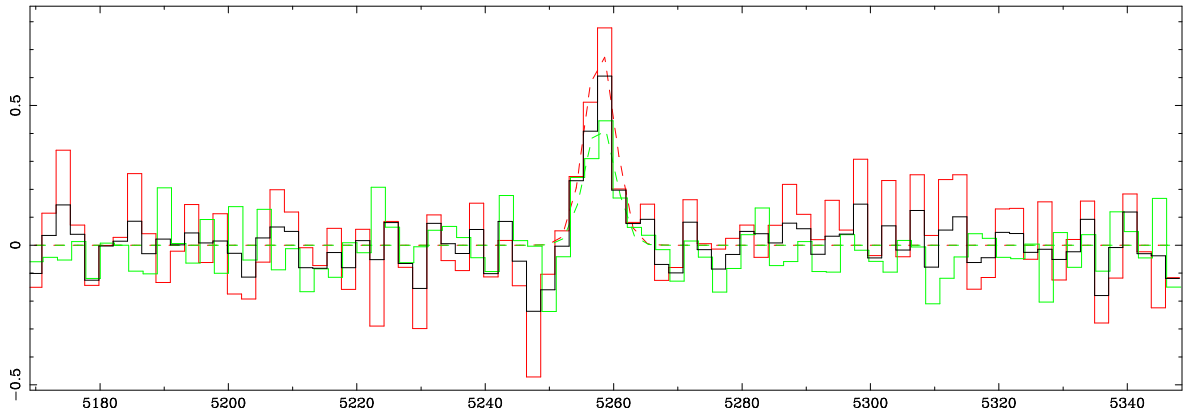
$\lambda_{obs} = 4570.31$Å

$EW_{obs} > 62.00$Å

$\alpha_{2000} = 189.1489°$

$\delta_{2000} = 62.2016°$





$S/N = 6.98$

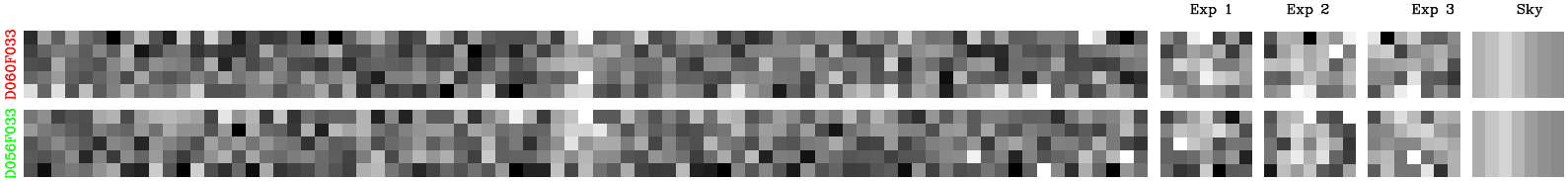
$FWHM_{obs} = 5.52Å$

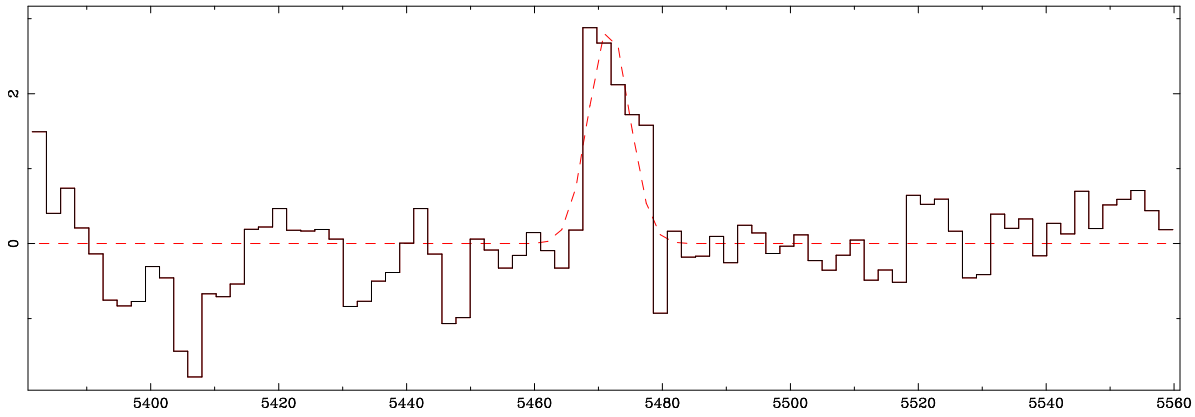
$\lambda_{obs} = 5257.87Å$

$EW_{obs} = 27.42Å$

$\alpha_{2000} = 189.2572°$

$\delta_{2000} = 62.2230°$





$S/N = 15.98$

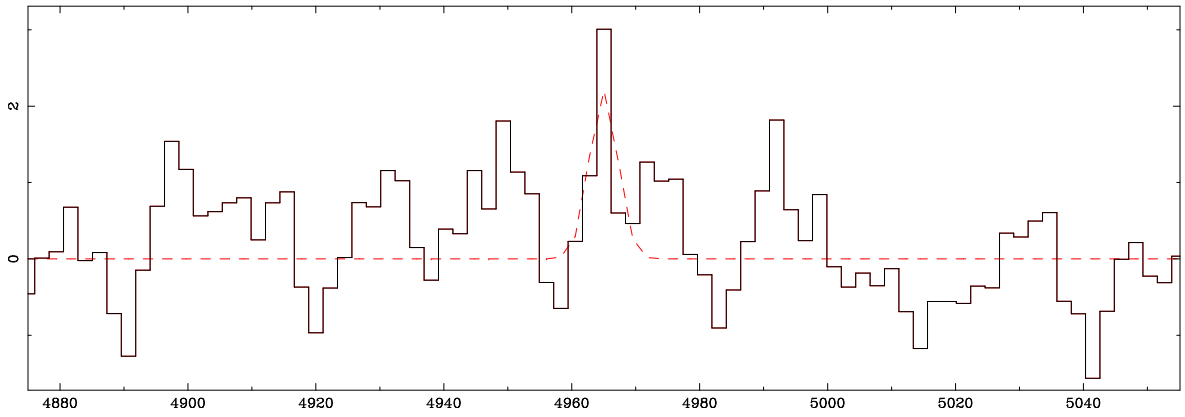
$FWHM_{obs} = 7.44Å$

$\lambda_{obs} = 5471.67Å$

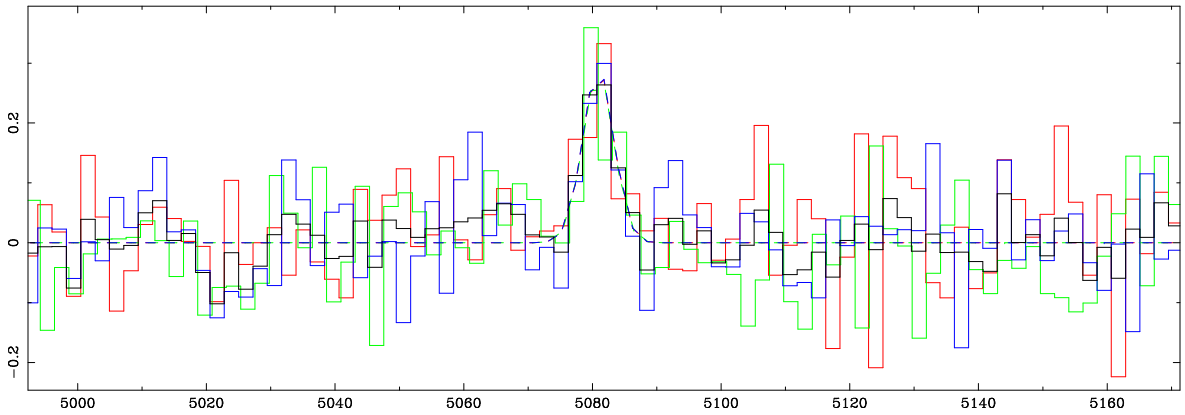
$EW_{obs} = 2.82Å$

$\alpha_{2000} = 189.2872°$

$\delta_{2000} = 62.2099°$



S/N = 11.38
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 4964.98Å
EW_{obs} = 1.48Å
α_{2000} = 189.2872°
δ_{2000} = 62.2099°



$S/N = 6.35$

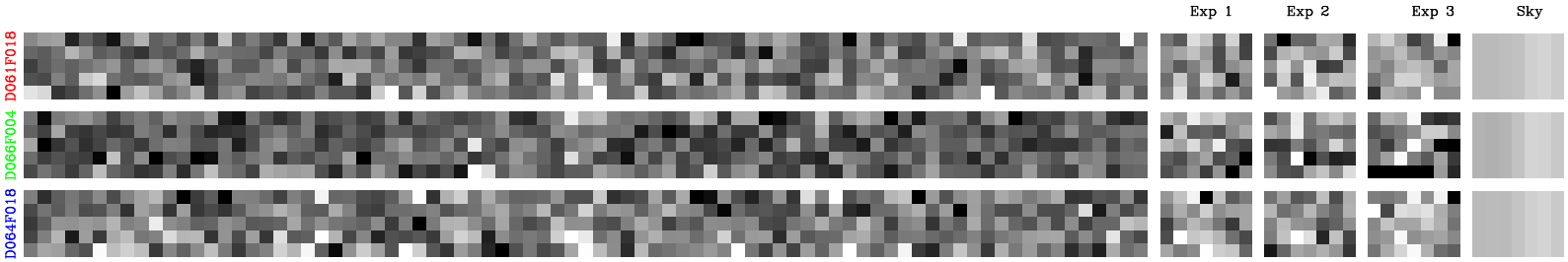
$FWHM_{obs} = 5.65$Å

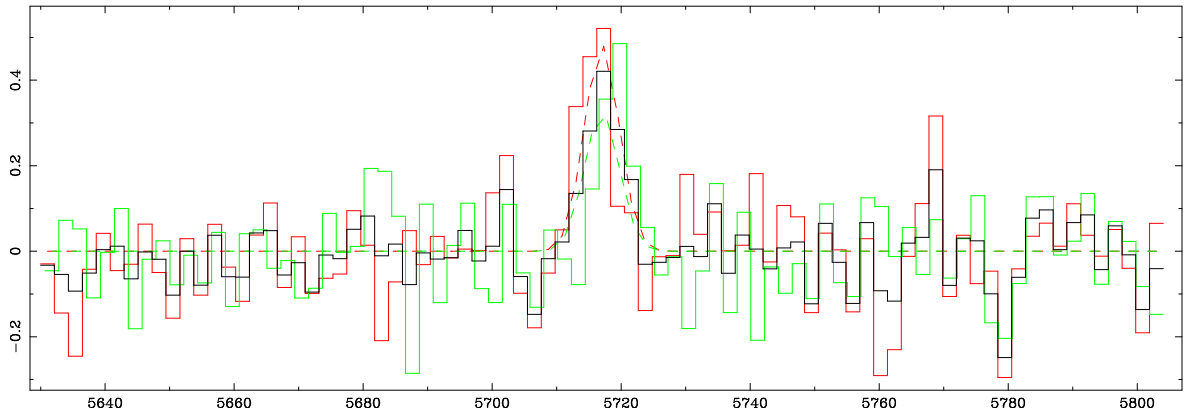
$\lambda_{obs} = 5080.90$Å

$EW_{obs} > 68.86$Å

$\alpha_{2000} = 189.1961°$

$\delta_{2000} = 62.2537°$





$S/N = 7.41$

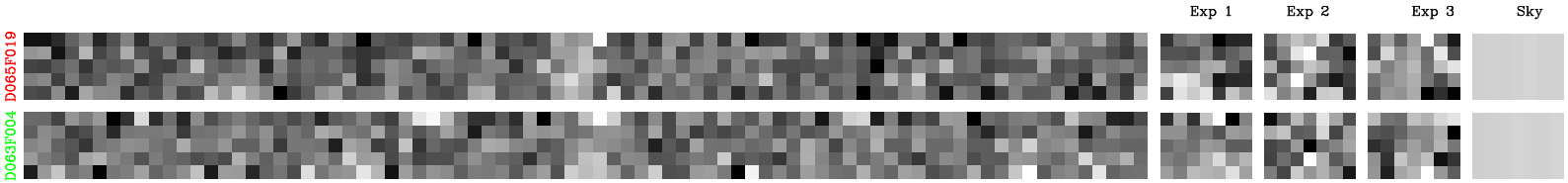
$FWHM_{obs} = 6.36Å$

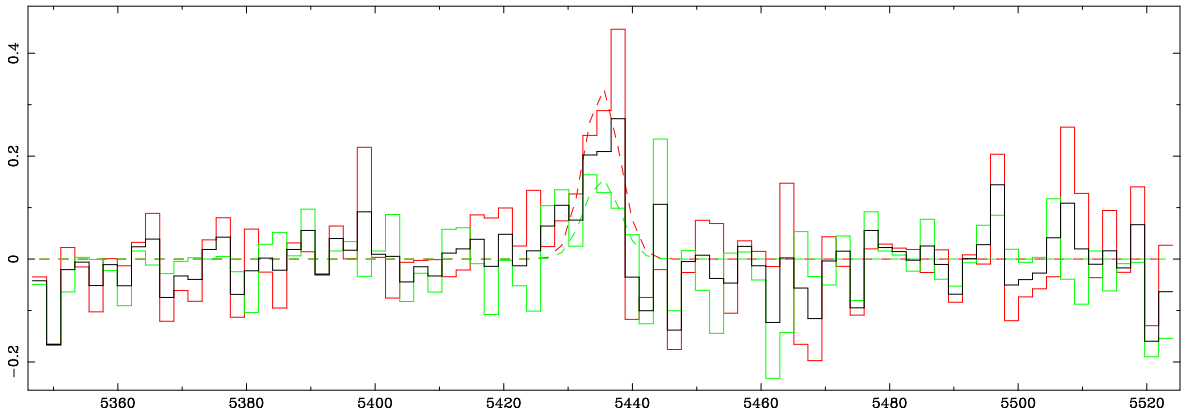
$\lambda_{obs} = 5717.00Å$

$EW_{obs} > 79.69Å$

$\alpha_{2000} = 189.1980°$

$\delta_{2000} = 62.2540°$





S/N = 5.73

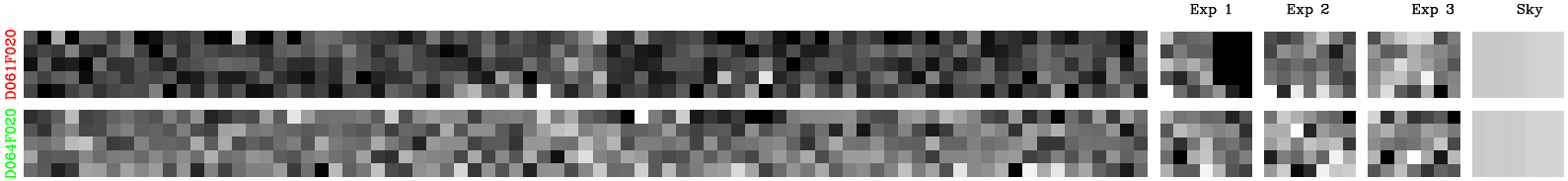
$FWHM_{obs}$ = 6.50Å

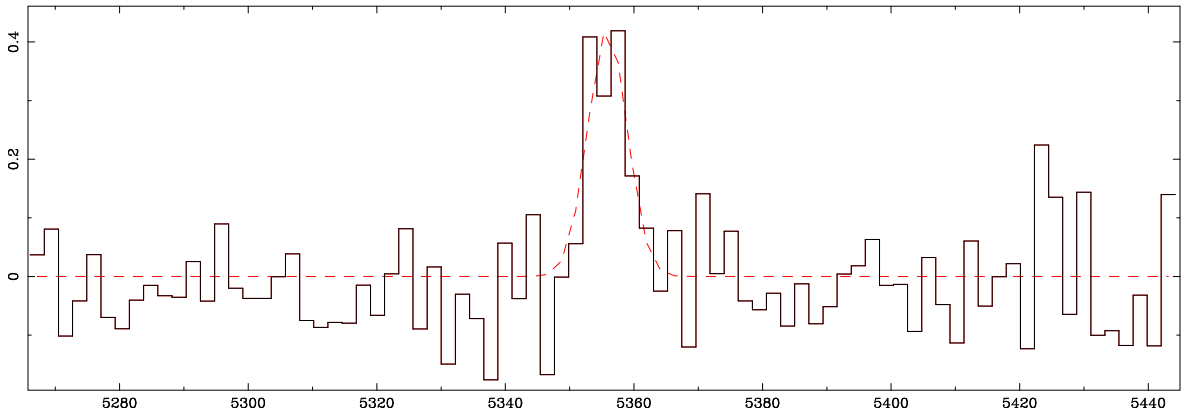
λ_{obs} = 5435.24Å

EW_{obs} > 63.59Å

α_{2000} = 189.2045°

δ_{2000} = 62.2535°





S/N = 6.23

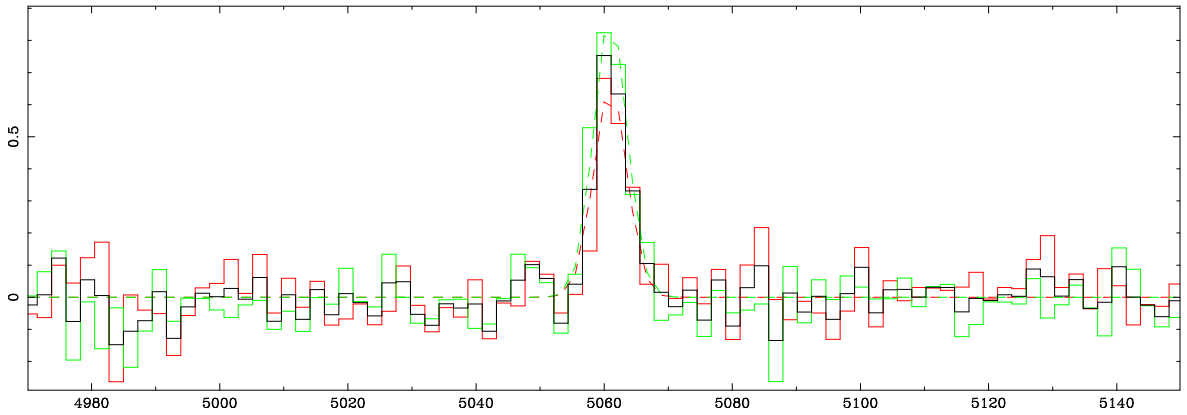
$FWHM_{obs}$ = 7.15Å

λ_{obs} = 5355.88Å

EW_{obs} > 71.64Å

α_{2000} = 189.2150°

δ_{2000} = 62.2531°



$S/N = 13.68$

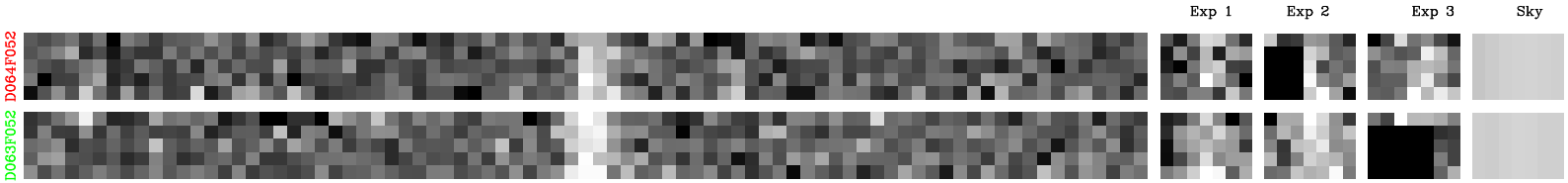
$FWHM_{obs} = 6.11Å$

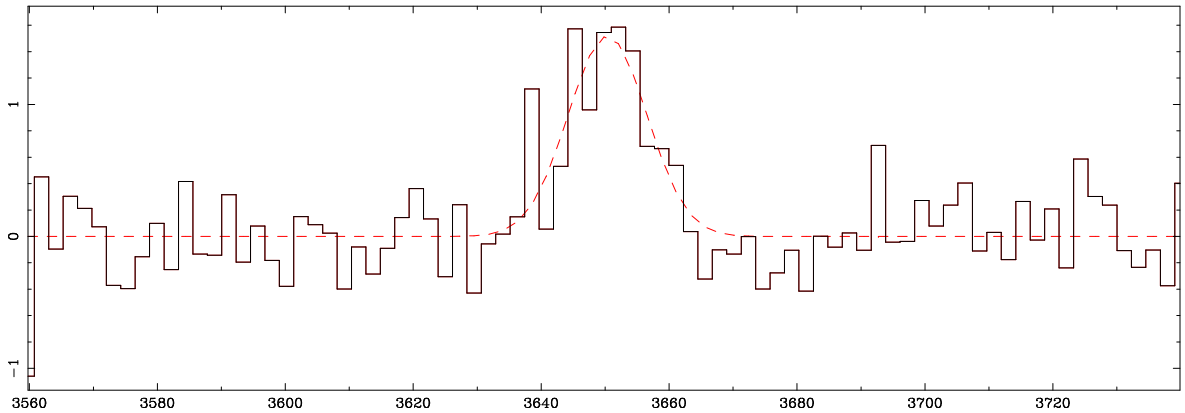
$\lambda_{obs} = 5060.96Å$

$EW_{obs} = 77.21Å$

$\alpha_{2000} = 189.2173°$

$\delta_{2000} = 62.2492°$





$S/N = 7.93$

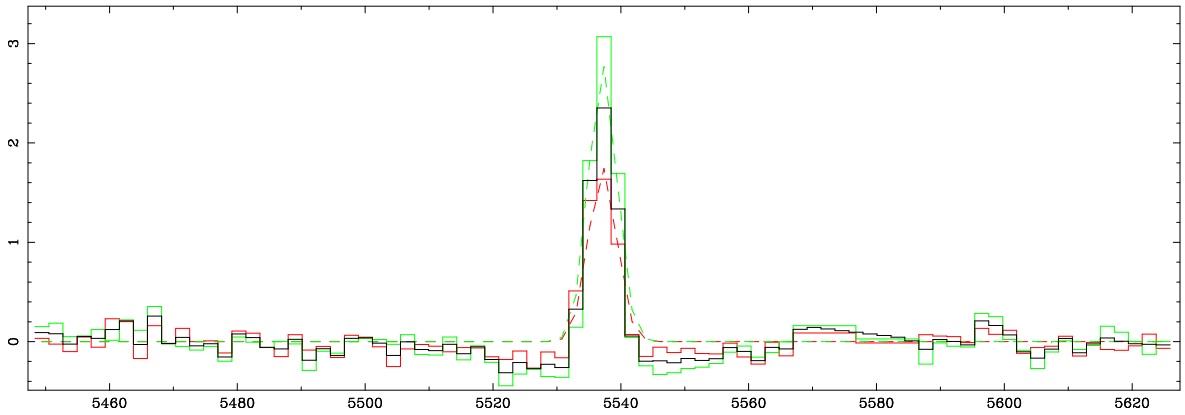
$FWHM_{obs} = 14.52Å$

$\lambda_{obs} = 3650.37Å$

$EW_{obs} > 156.53Å$

$\alpha_{2000} = 189.1935°$

$\delta_{2000} = 62.2460°$



S/N = 25.40

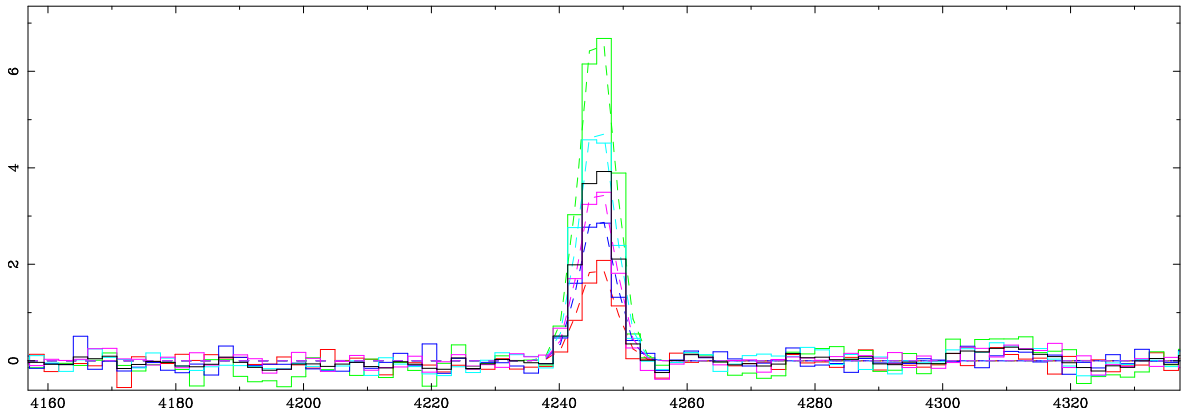
$FWHM_{obs}$ = 5.20Å

λ_{obs} = 5537.16Å

EW_{obs} = 8.37Å

α_{2000} = 189.1998°

δ_{2000} = 62.2408°



$S/N = 67.41$

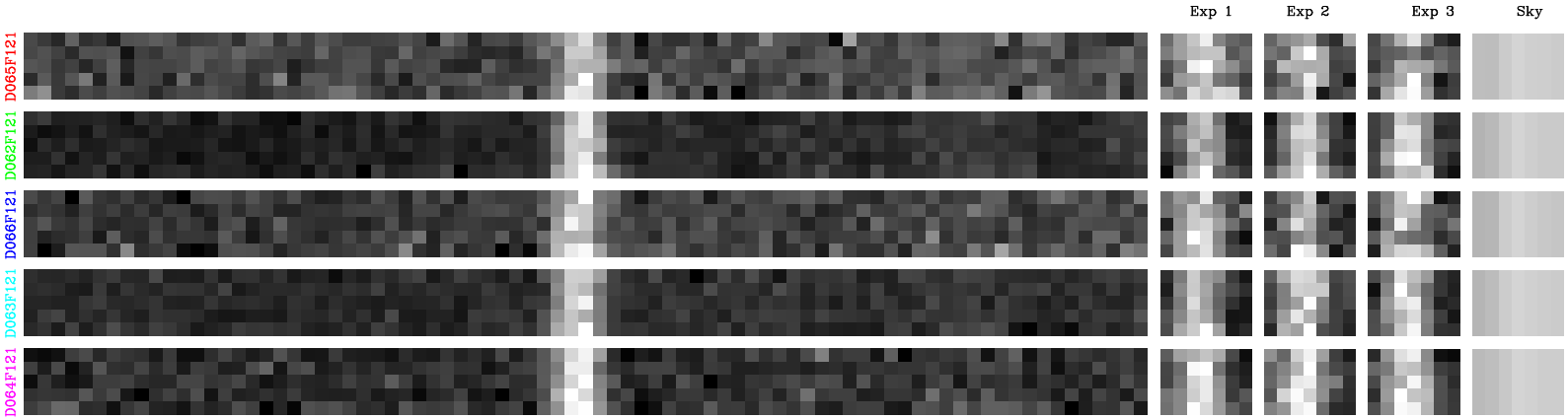
$FWHM_{obs} = 6.47Å$

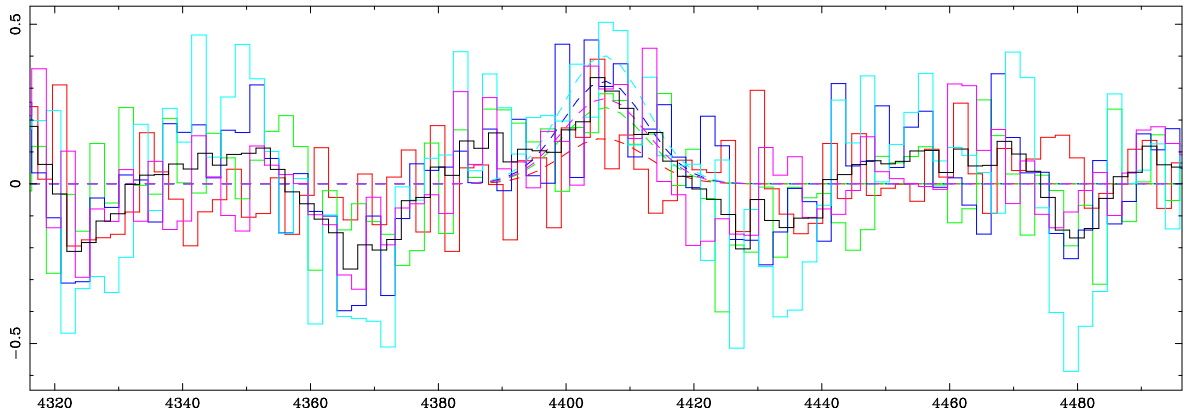
$\lambda_{obs} = 4245.92Å$

$EW_{obs} = 38.22Å$

$\alpha_{2000} = 189.2010°$

$\delta_{2000} = 62.2408°$





$S/N = 8.81$

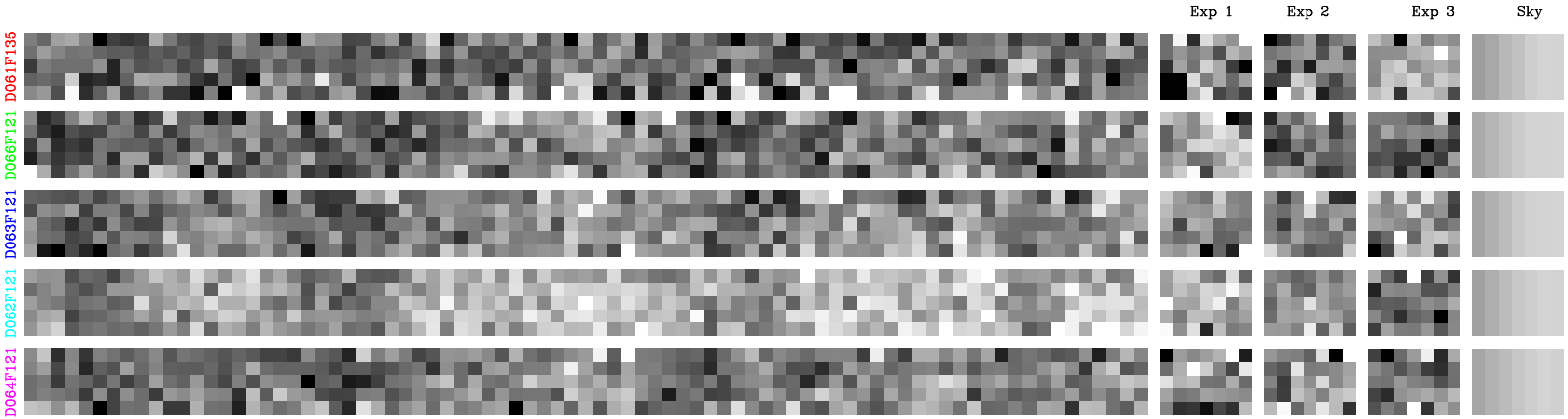
$FWHM_{obs} = 15.39Å$

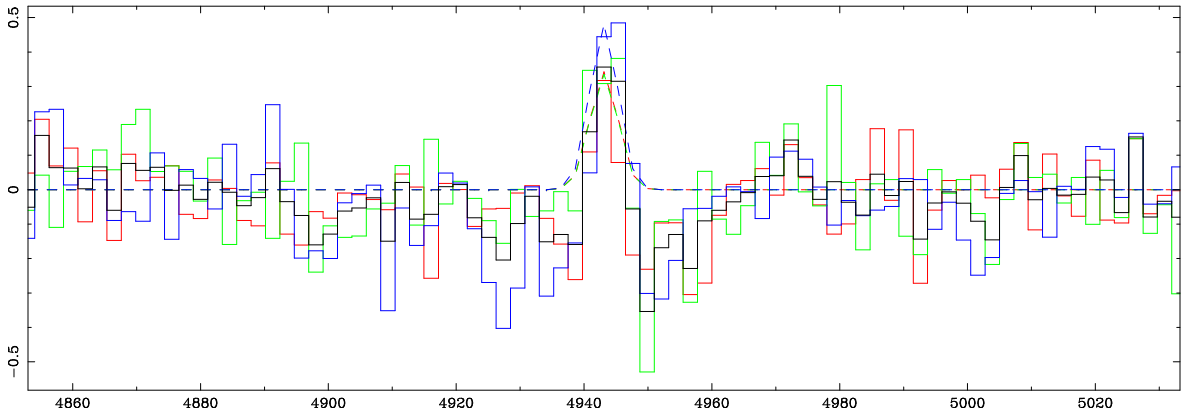
$\lambda_{obs} = 4405.93Å$

$EW_{obs} = 6.63Å$

$\alpha_{2000} = 189.2009°$

$\delta_{2000} = 62.2406°$





$S/N = 6.92$

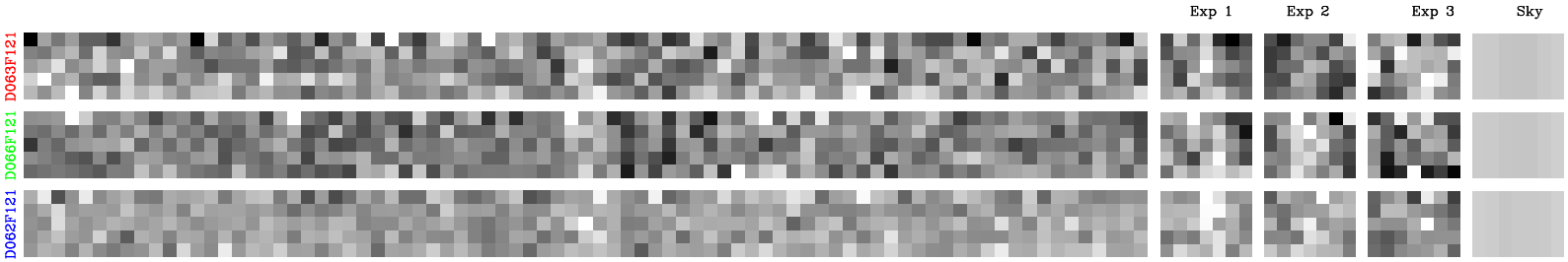
$FWHM_{obs} = 5.20Å$

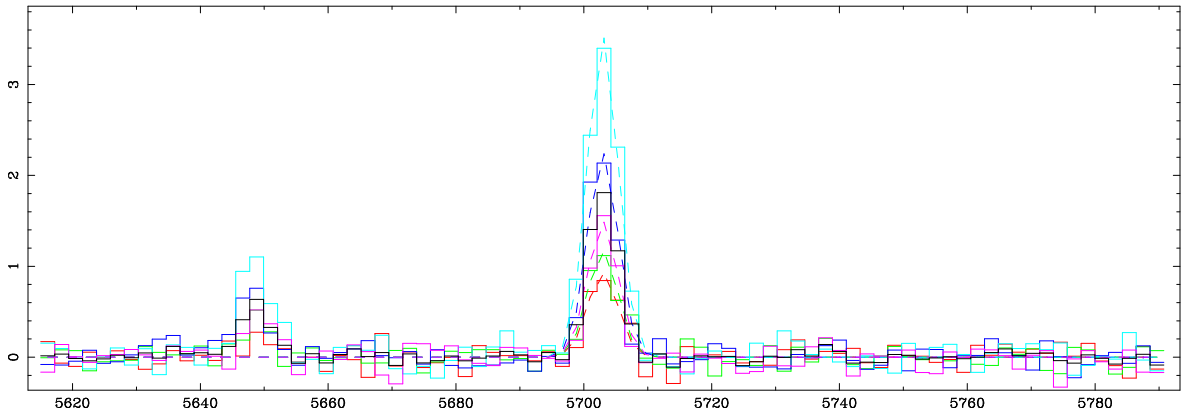
$\lambda_{obs} = 4943.13Å$

$EW_{obs} = 1.55Å$

$\alpha_{2000} = 189.2005°$

$\delta_{2000} = 62.2407°$





$S/N = 36.19$

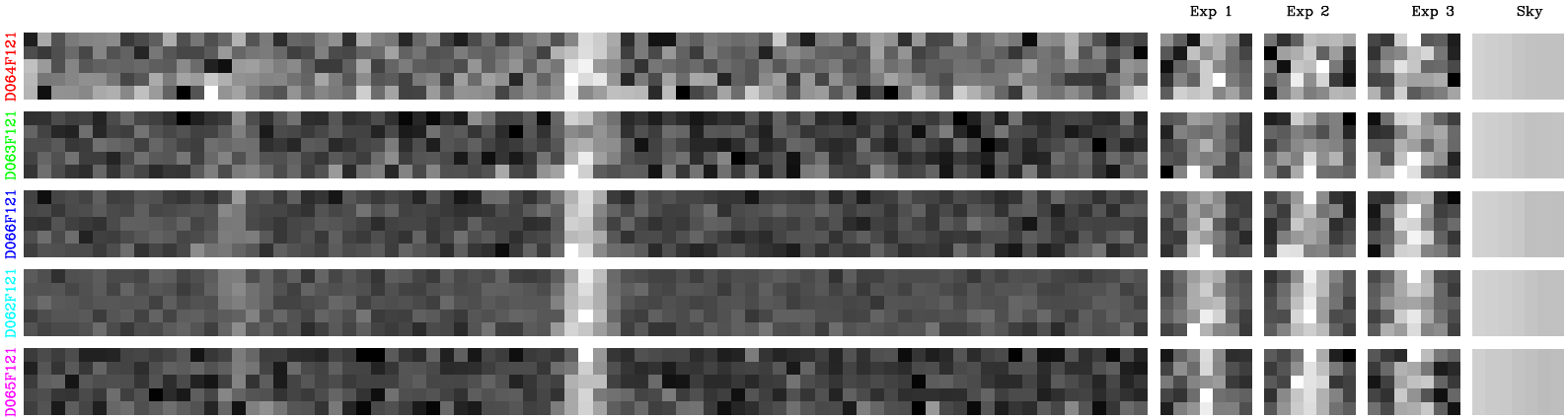
$FWHM_{obs} = 5.63Å$

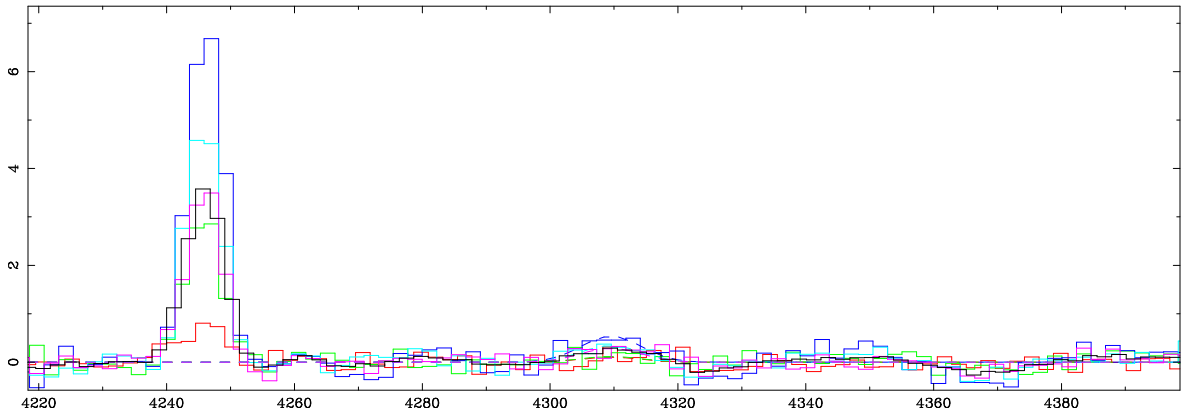
$\lambda_{obs} = 5702.97Å$

$EW_{obs} = 11.88Å$

$\alpha_{2000} = 189.2003°$

$\delta_{2000} = 62.2409°$





$S/N = 8.44$

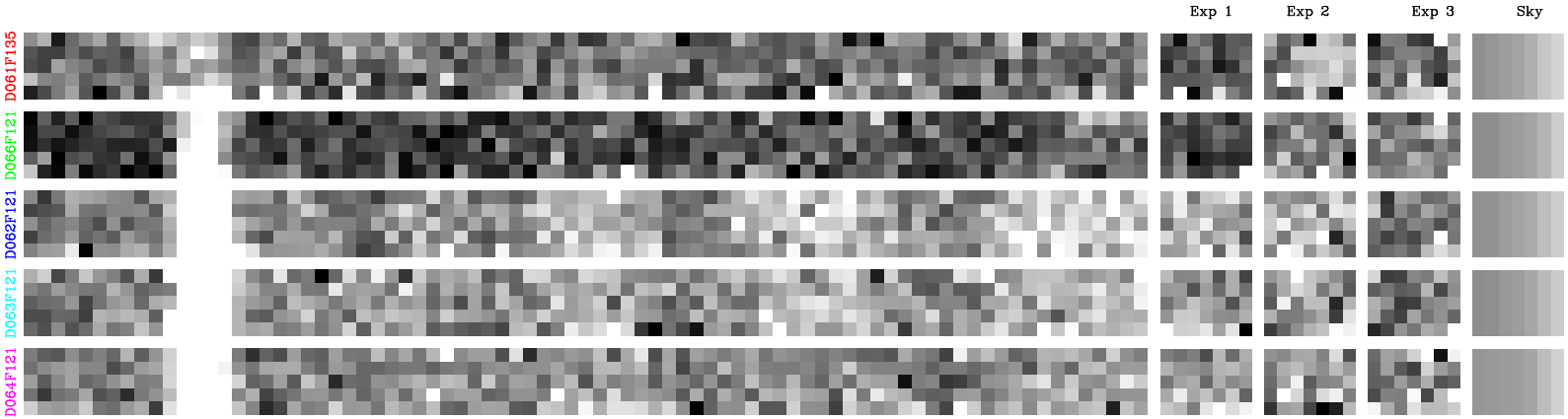
$FWHM_{obs} = 11.14Å$

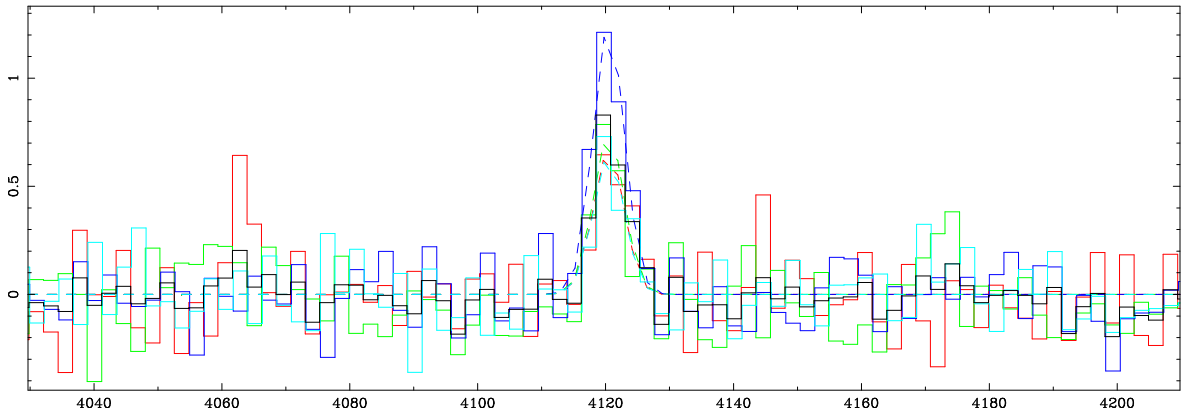
$\lambda_{obs} = 4309.56Å$

$EW_{obs} = 4.48Å$

$\alpha_{2000} = 189.2009°$

$\delta_{2000} = 62.2407°$





S/N = 12.54

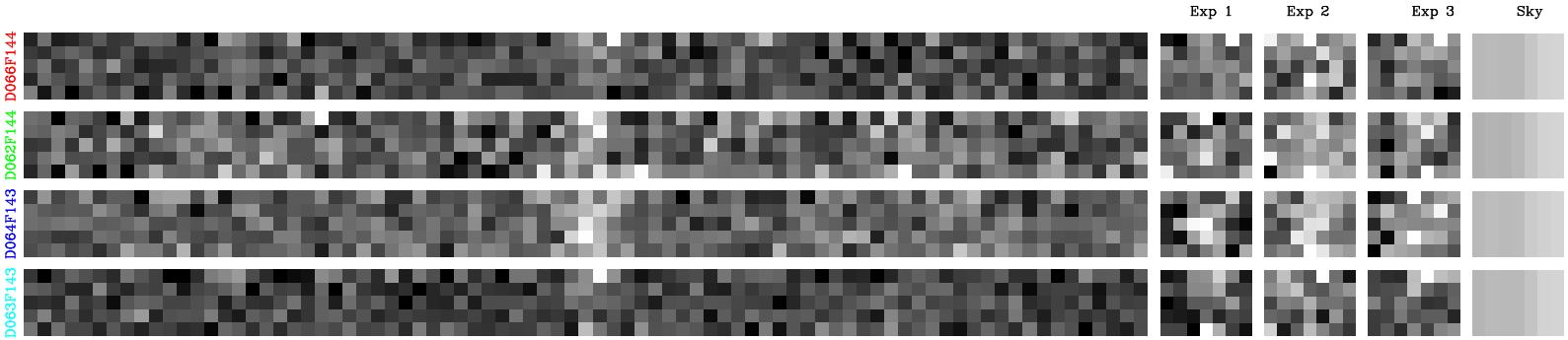
$FWHM_{obs}$ = 5.75Å

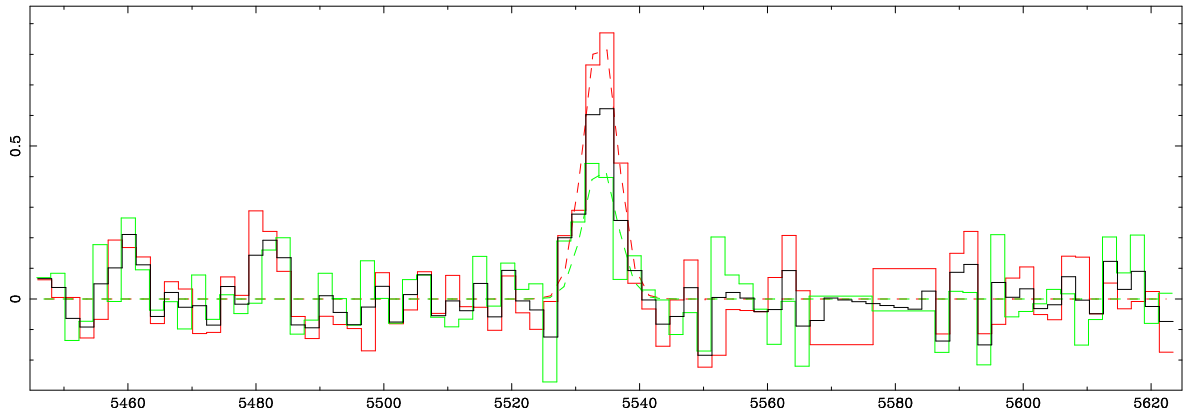
λ_{obs} = 4120.46Å

EW_{obs} = 39.25Å

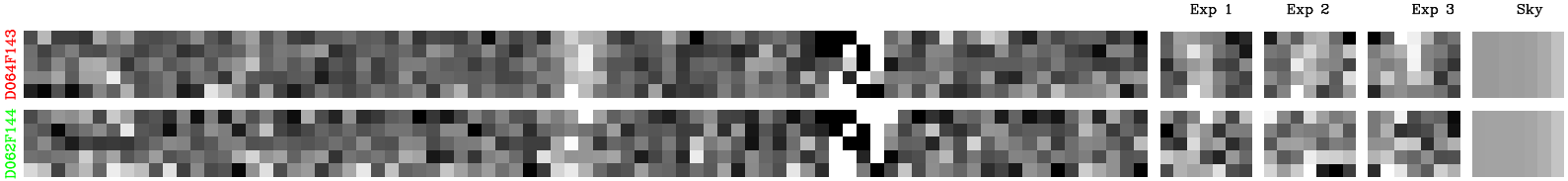
α_{2000} = 189.2354°

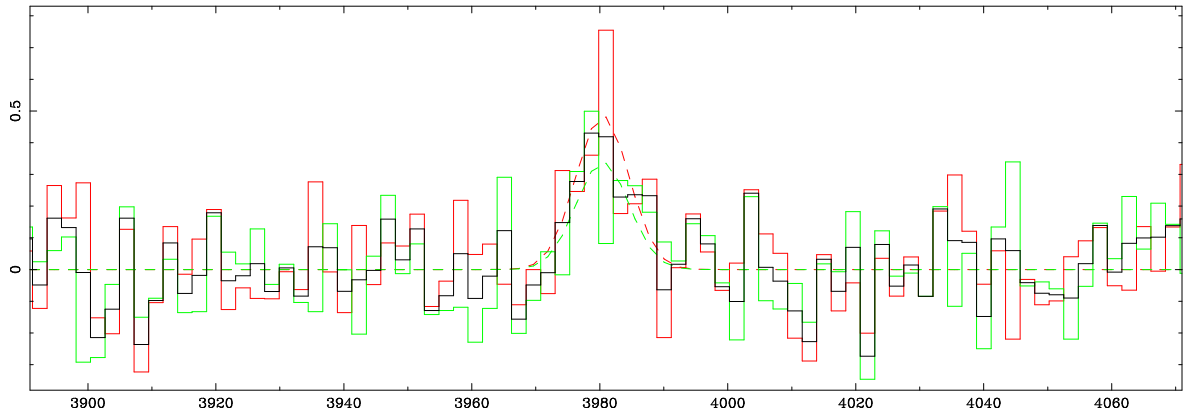
δ_{2000} = 62.2388°





S/N = 11.79
$FWHM_{obs}$ = 6.11Å
λ_{obs} = 5533.85Å
EW_{obs} = 16.99Å
α_{2000} = 189.2350°
δ_{2000} = 62.2391°





S/N = 5.96

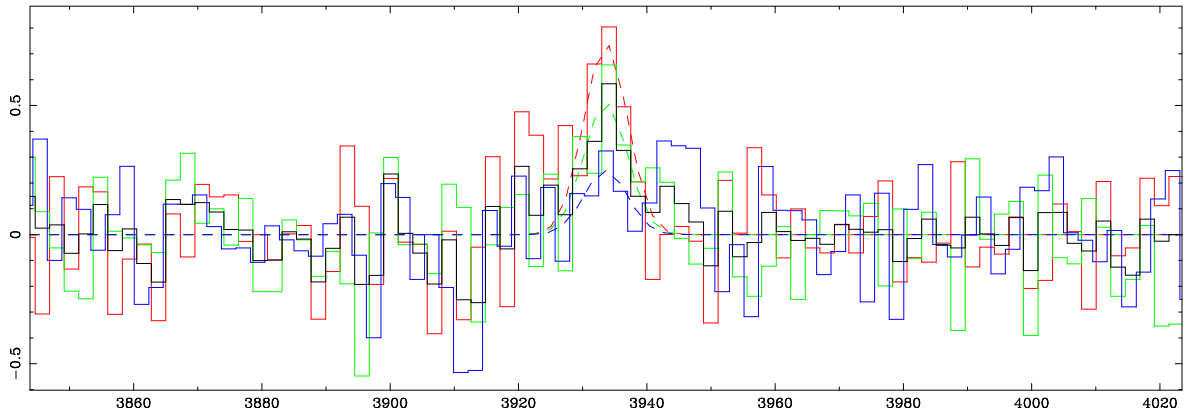
$FWHM_{obs}$ = 9.76Å

λ_{obs} = 3980.43Å

EW_{obs} > 80.99Å

α_{2000} = 189.1828°

δ_{2000} = 62.2361°



$S/N = 7.74$

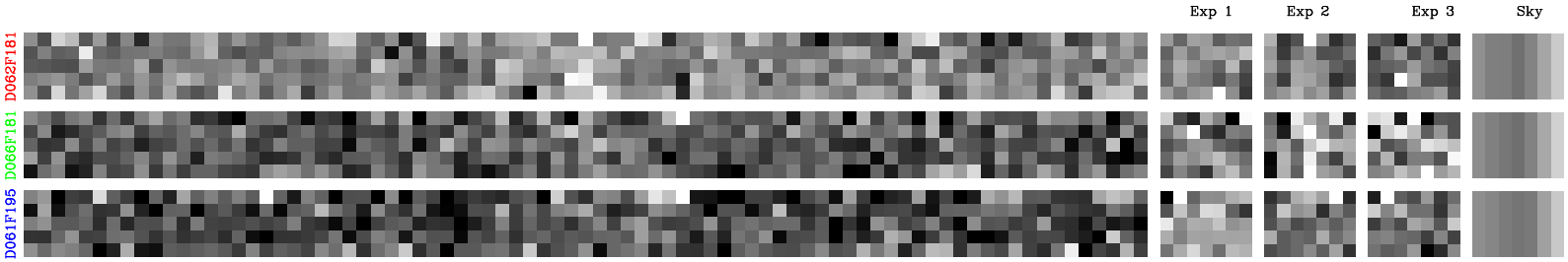
$FWHM_{obs} = 8.01$Å

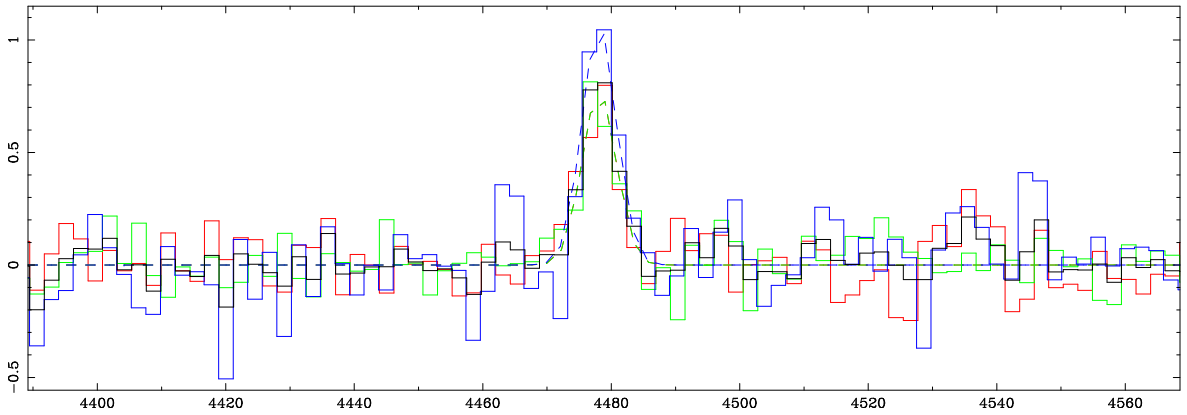
$\lambda_{obs} = 3933.60$Å

$EW_{obs} > 76.97$Å

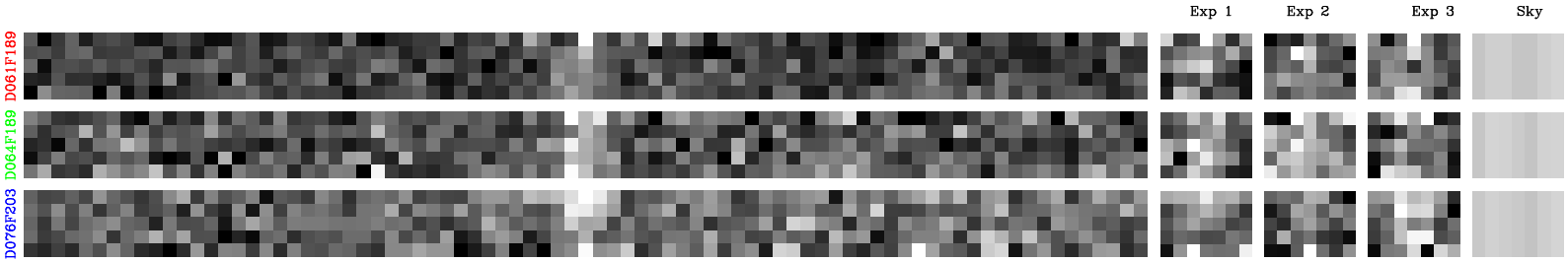
$\alpha_{2000} = 189.2085°$

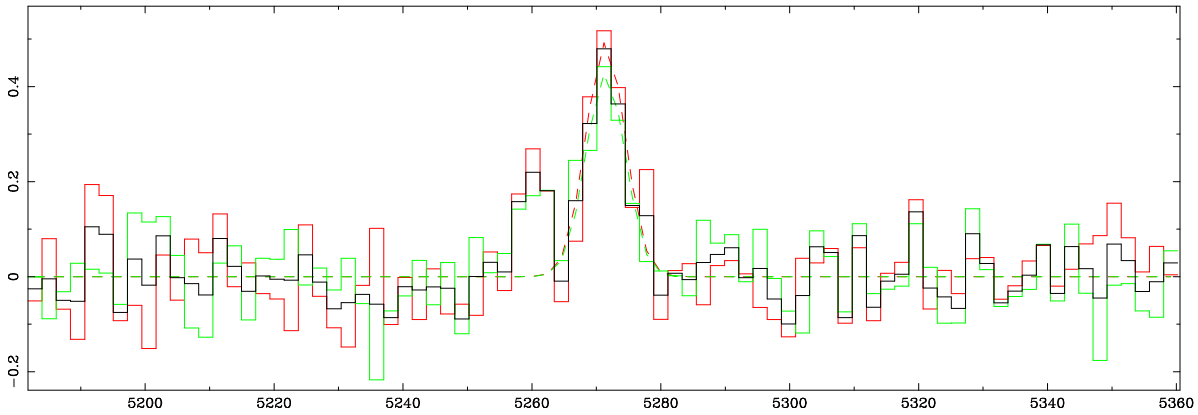
$\delta_{2000} = 62.2335°$





S/N = 14.01
$FWHM_{obs}$ = 6.28Å
λ_{obs} = 4478.11Å
EW_{obs} = 23.71Å
α_{2000} = 189.1823°
δ_{2000} = 62.2325°





S/N = 9.74

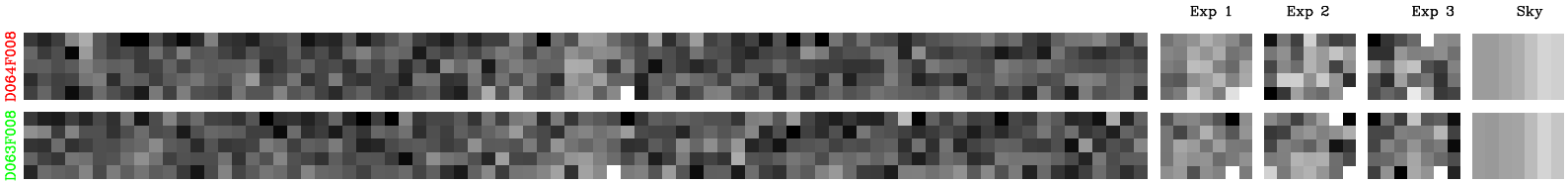
$FWHM_{obs}$ = 7.15Å

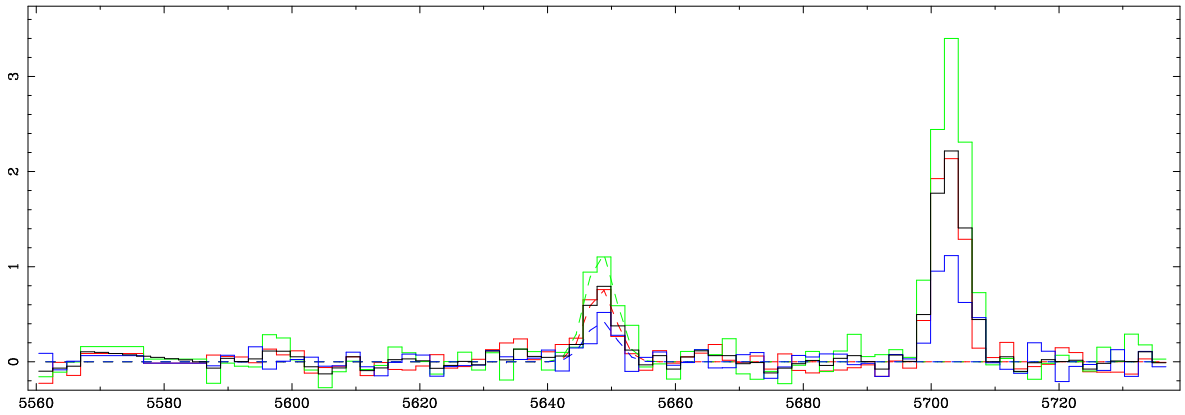
λ_{obs} = 5271.42Å

EW_{obs} > 114.61Å

α_{2000} = 189.2153°

δ_{2000} = 62.2545°





$S/N = 12.86$

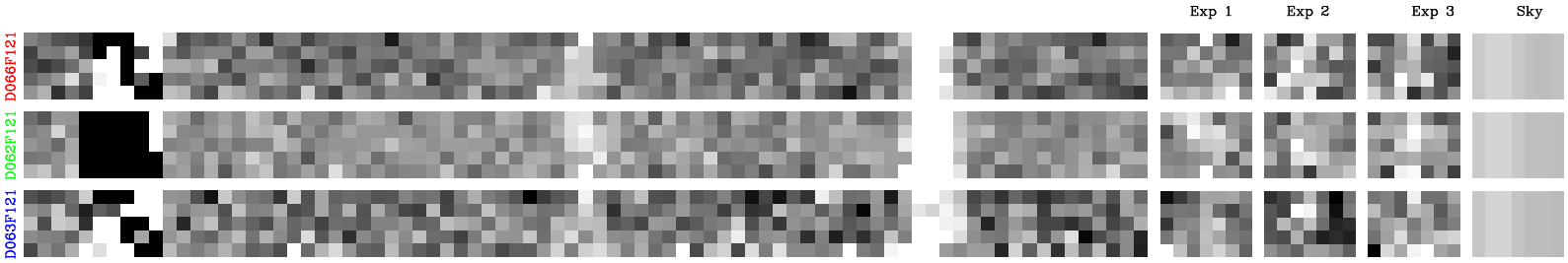
$FWHM_{obs} = 5.46Å$

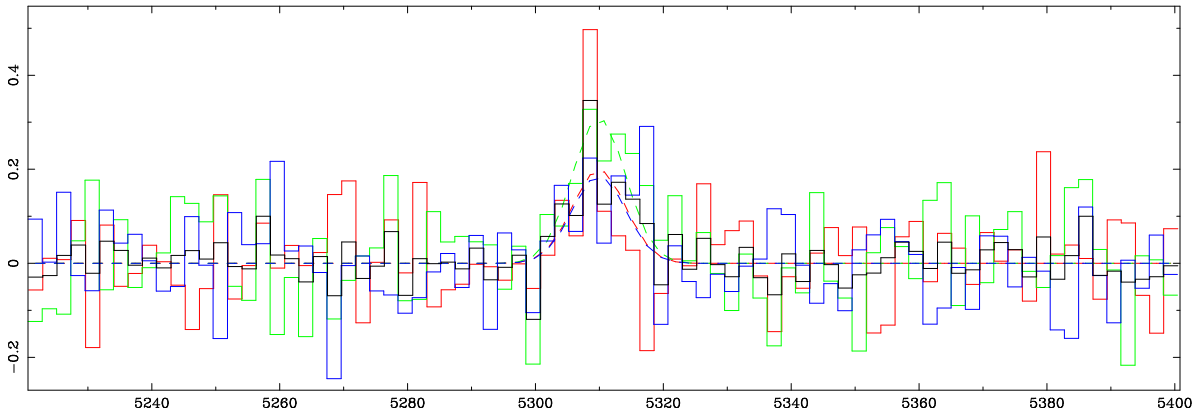
$\lambda_{obs} = 5648.33Å$

$EW_{obs} = 3.81Å$

$\alpha_{2000} = 189.2001°$

$\delta_{2000} = 62.2407°$





$S/N = 7.25$

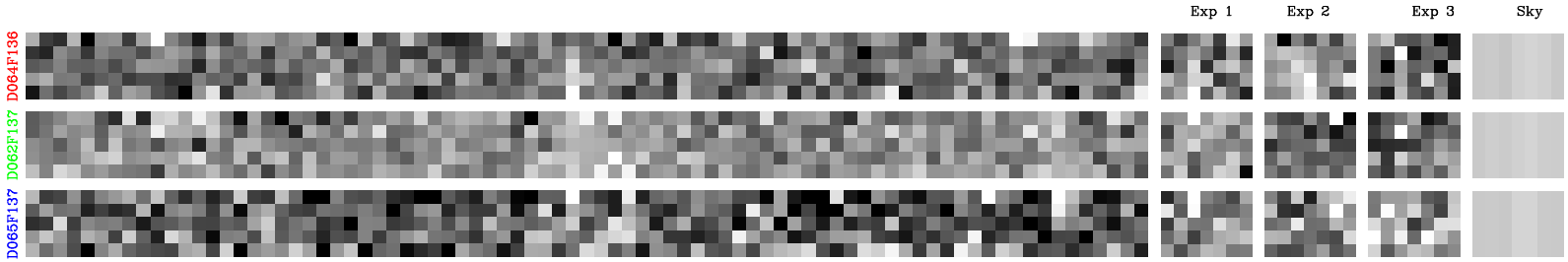
$FWHM_{obs} = 9.84$Å

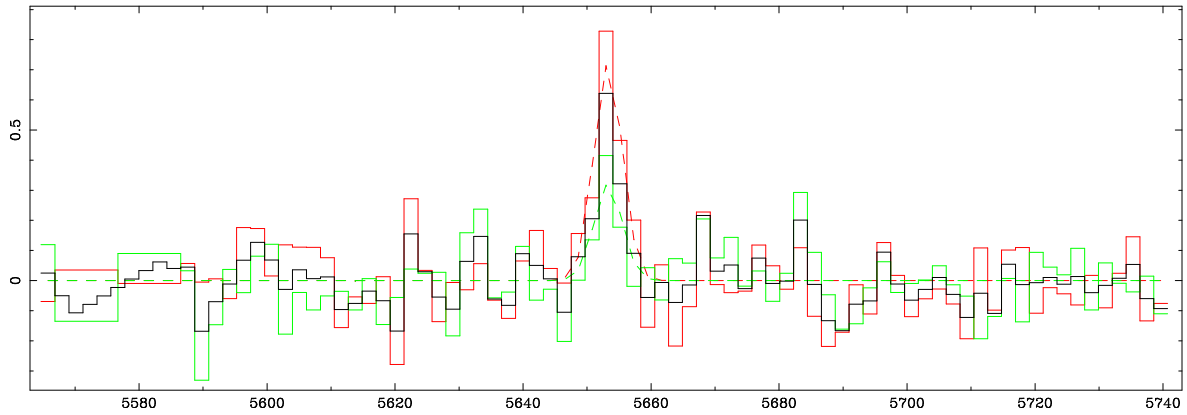
$\lambda_{obs} = 5309.93$Å

$EW_{obs} > 100.25$Å

$\alpha_{2000} = 189.2057°$

$\delta_{2000} = 62.2394°$





$S/N = 7.22$

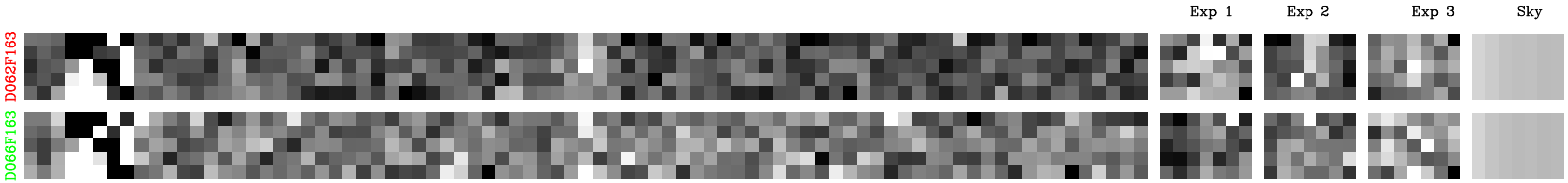
$FWHM_{obs} = 5.20Å$

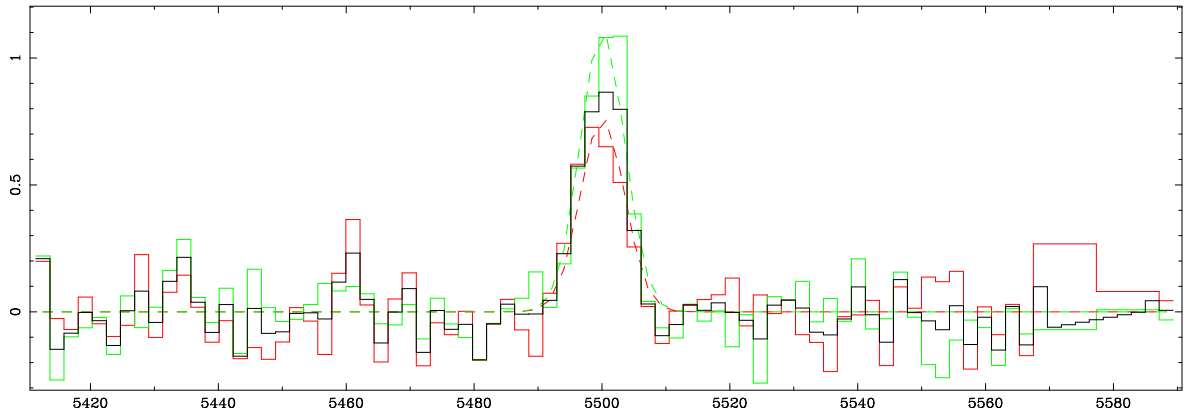
$\lambda_{obs} = 5653.28Å$

$EW_{obs} > 69.52Å$

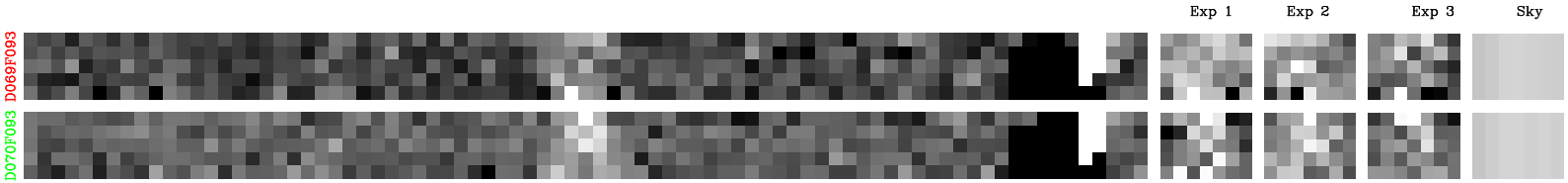
$\alpha_{2000} = 189.1932°$

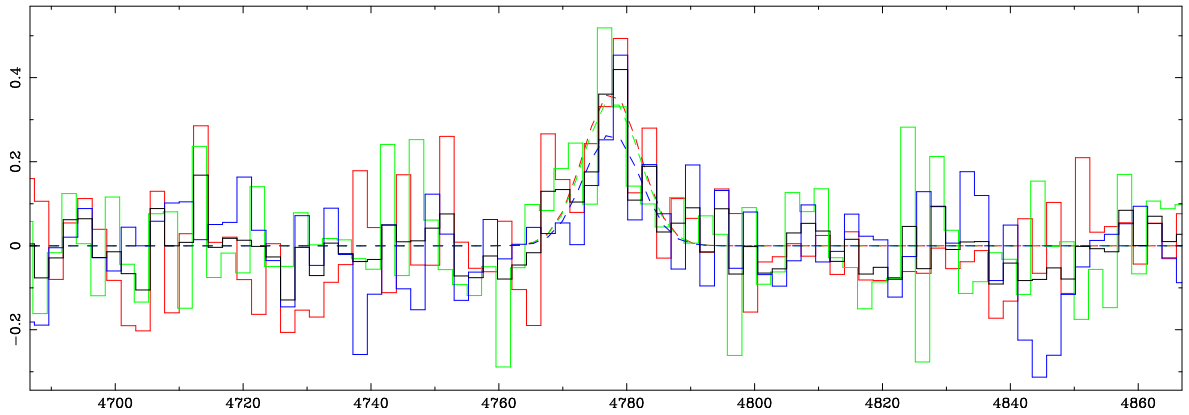
$\delta_{2000} = 62.2357°$





S/N = 16.54
$FWHM_{obs}$ = 8.16Å
λ_{obs} = 5500.08Å
EW_{obs} = 114.94Å
α_{2000} = 189.2066°
δ_{2000} = 62.1870°





$S/N = 8.65$

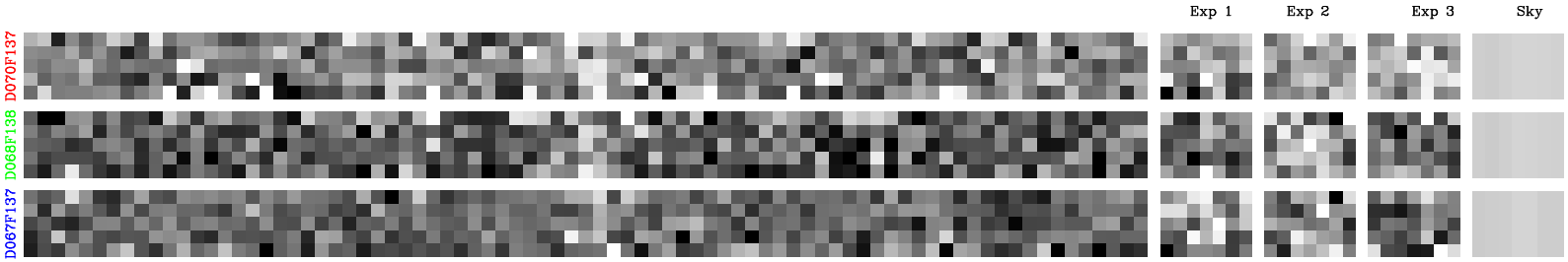
$FWHM_{obs} = 10.40Å$

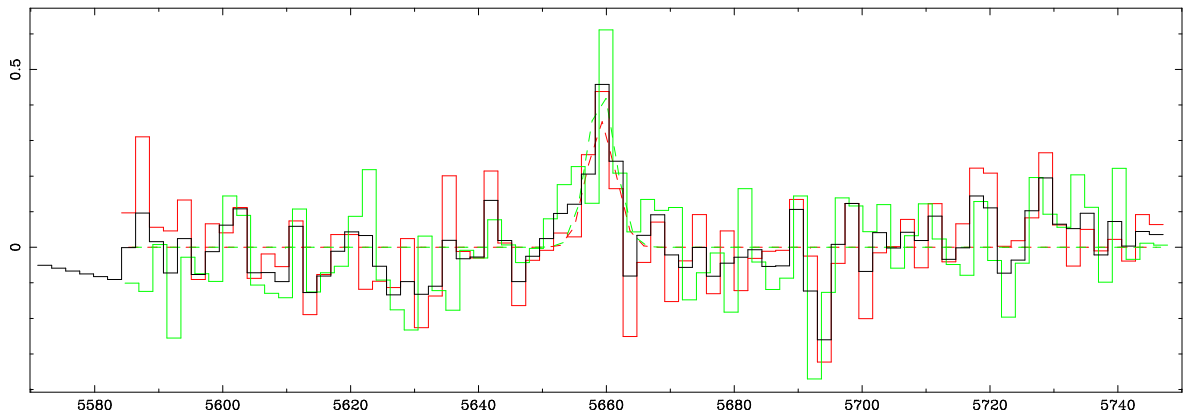
$\lambda_{obs} = 4777.63Å$

$EW_{obs} > 116.97Å$

$\alpha_{2000} = 189.2095°$

$\delta_{2000} = 62.1822°$





$S/N = 5.77$

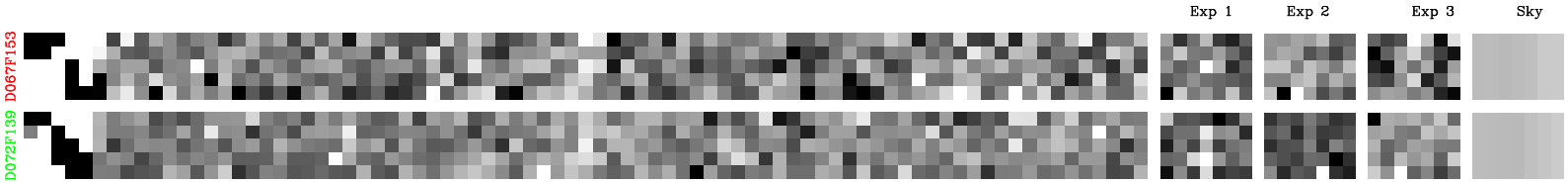
$FWHM_{obs} = 5.21$Å

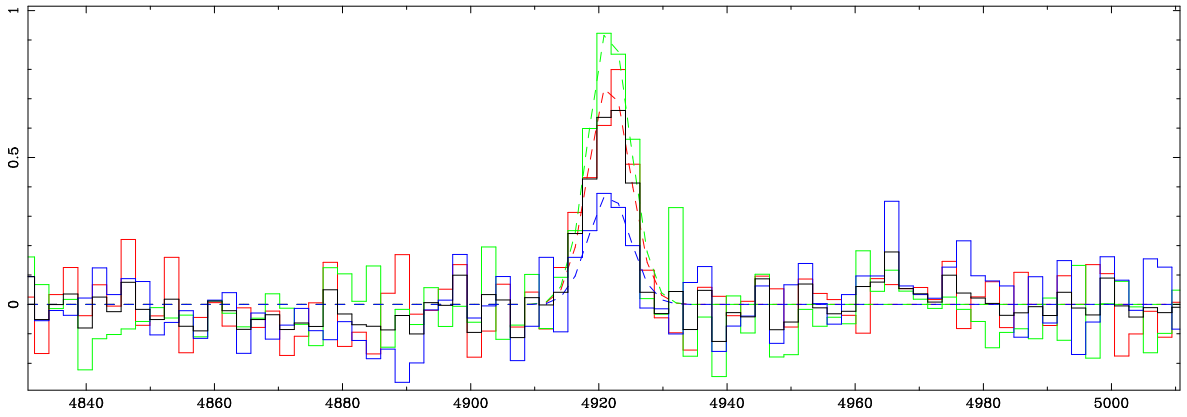
$\lambda_{obs} = 5659.23$Å

$EW_{obs} > 55.01$Å

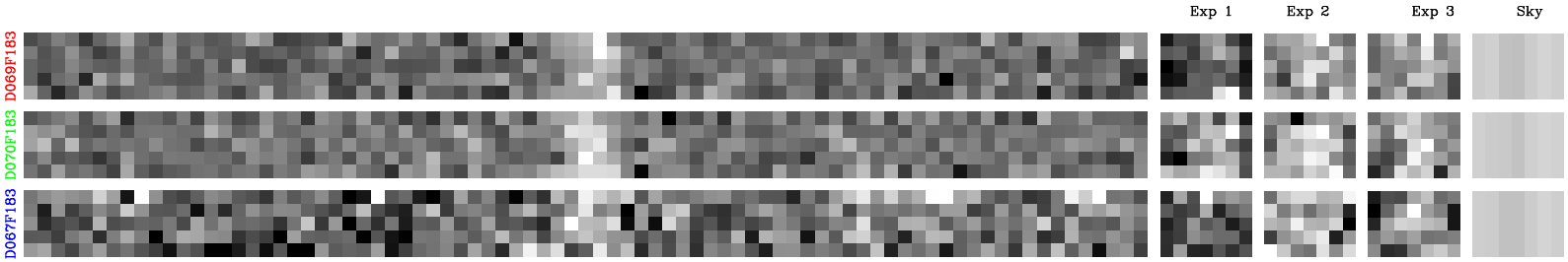
$\alpha_{2000} = 189.2151°$

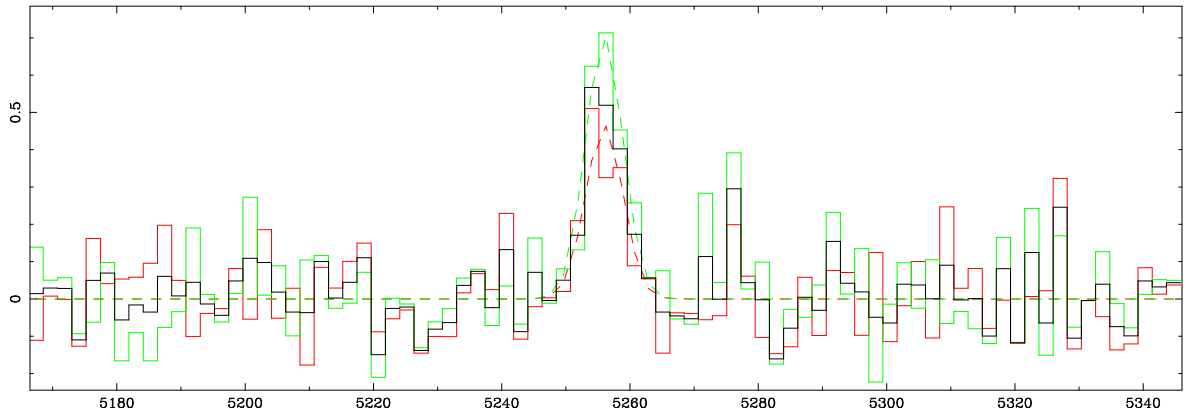
$\delta_{2000} = 62.1812°$





S/N = 15.98
$FWHM_{obs}$ = 7.61Å
λ_{obs} = 4921.64Å
EW_{obs} = 83.27Å
α_{2000} = 189.2193°
δ_{2000} = 62.1767°





S/N = 9.06

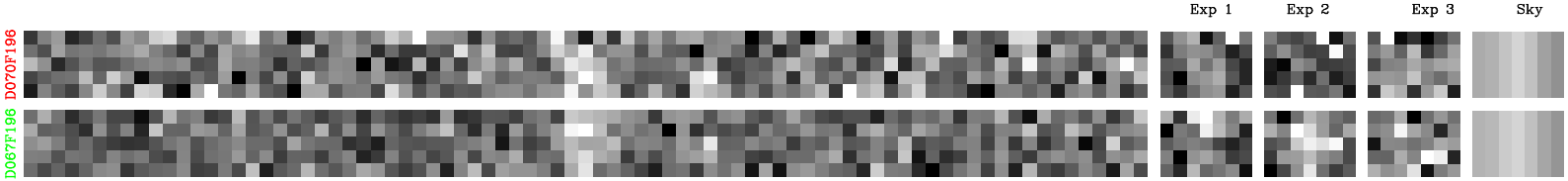
$FWHM_{obs}$ = 6.84Å

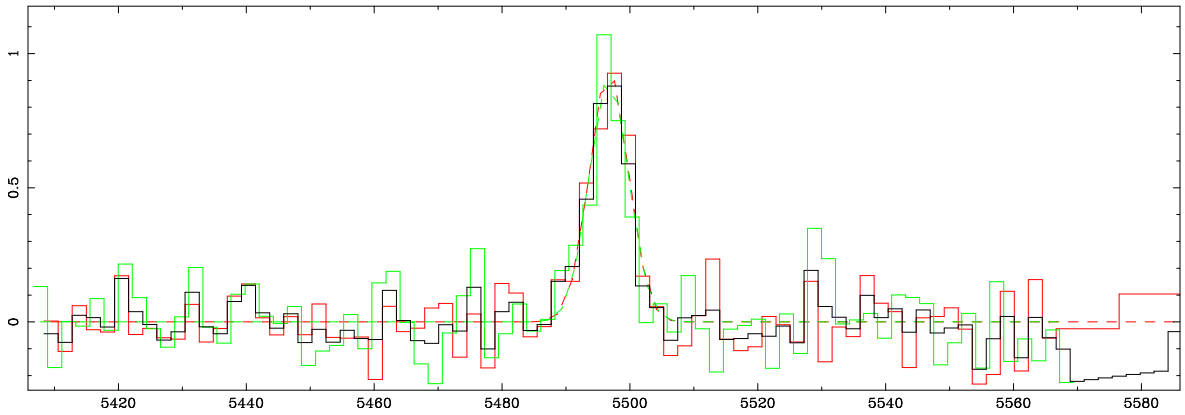
λ_{obs} = 5255.99Å

EW_{obs} = 18.55Å

α_{2000} = 189.2128°

δ_{2000} = 62.1754°





S/N = 14.61

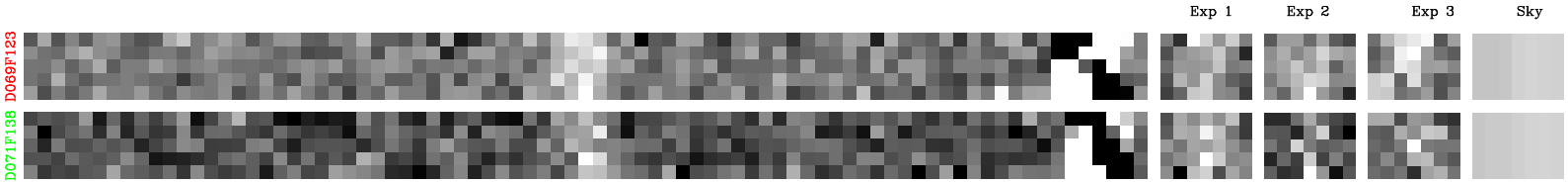
$FWHM_{obs}$ = 7.16Å

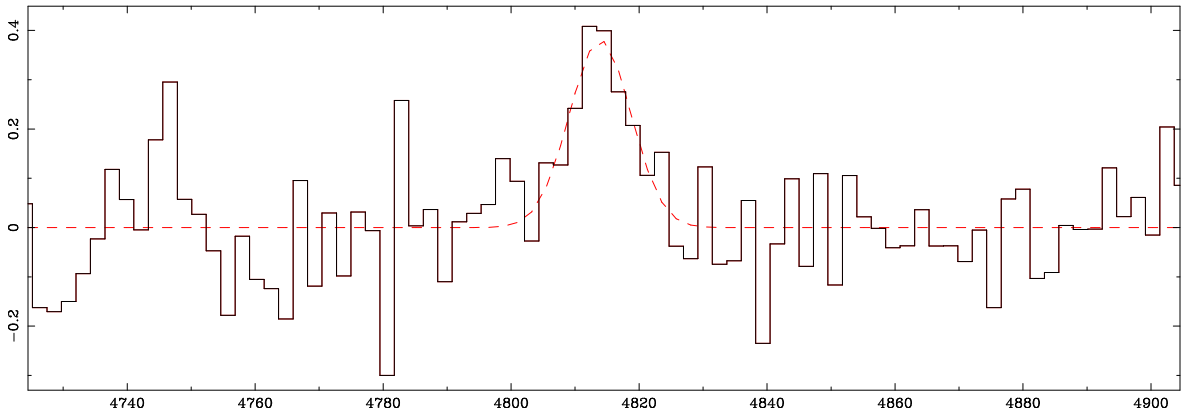
λ_{obs} = 5496.73Å

EW_{obs} = 84.28Å

α_{2000} = 189.2108°

δ_{2000} = 62.1829°





S/N = 6.28

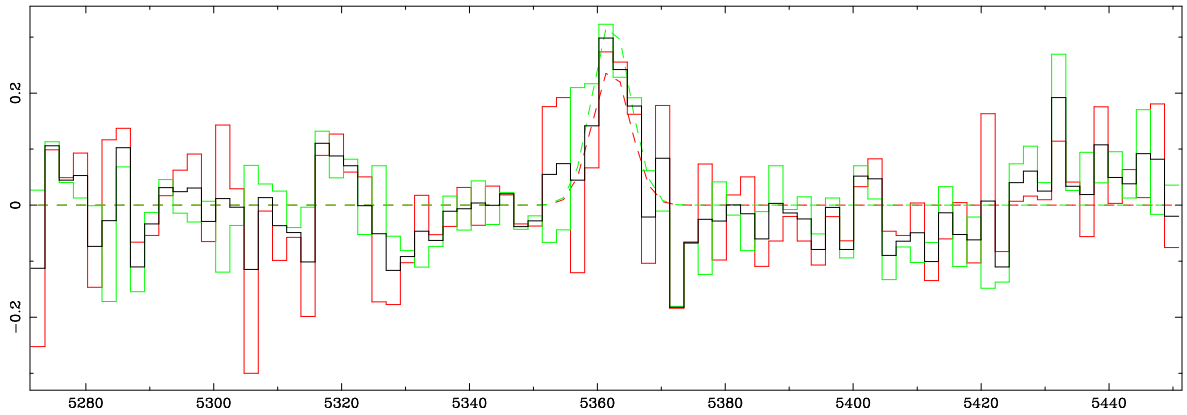
$FWHM_{obs}$ = 11.34Å

λ_{obs} = 4813.93Å

EW_{obs} > 95.07Å

α_{2000} = 189.1771°

δ_{2000} = 62.2469°



$S/N = 5.74$

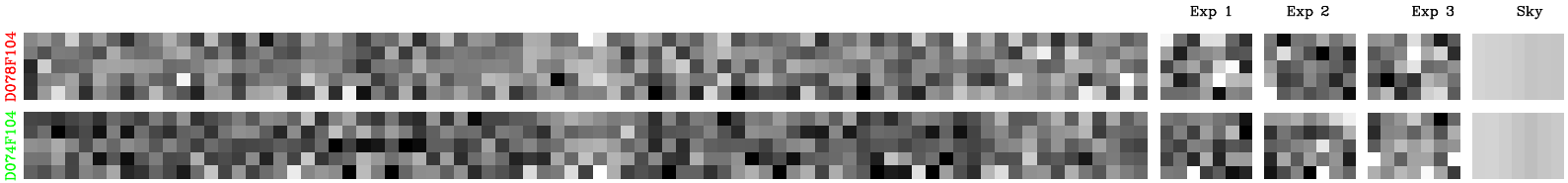
$FWHM_{obs} = 6.98$Å

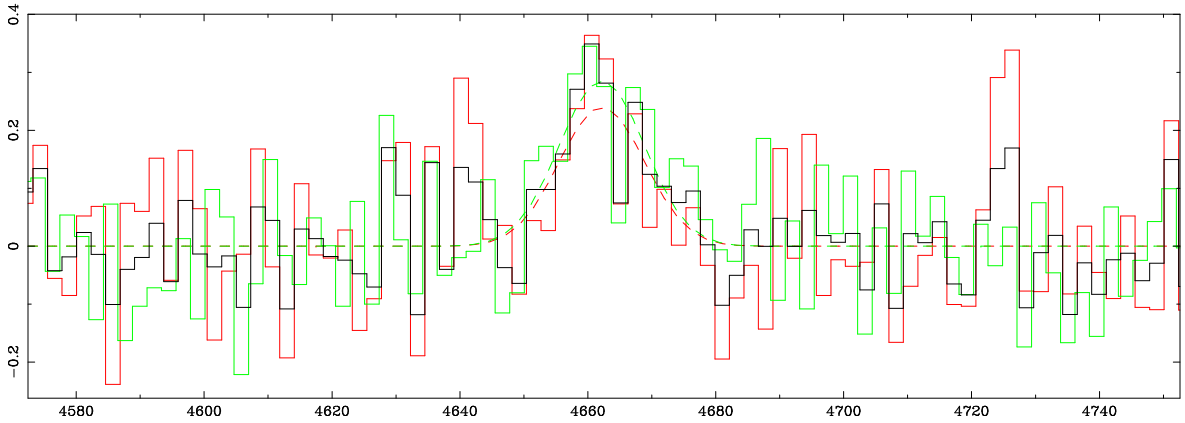
$\lambda_{obs} = 5362.19$Å

$EW_{obs} > 63.02$Å

$\alpha_{2000} = 189.1279°$

$\delta_{2000} = 62.2429°$





S/N = 6.04

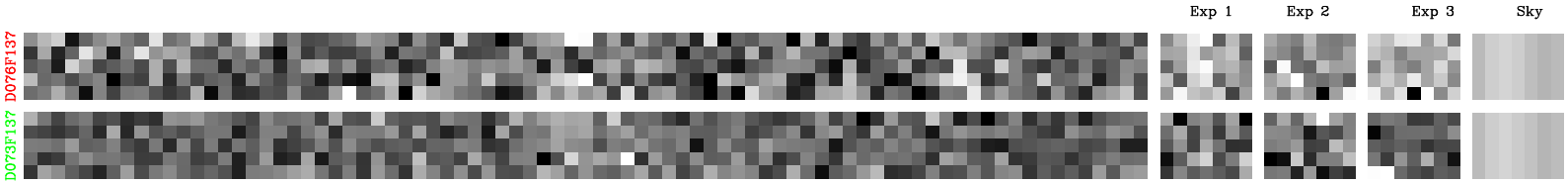
$FWHM_{obs}$ = 15.70Å

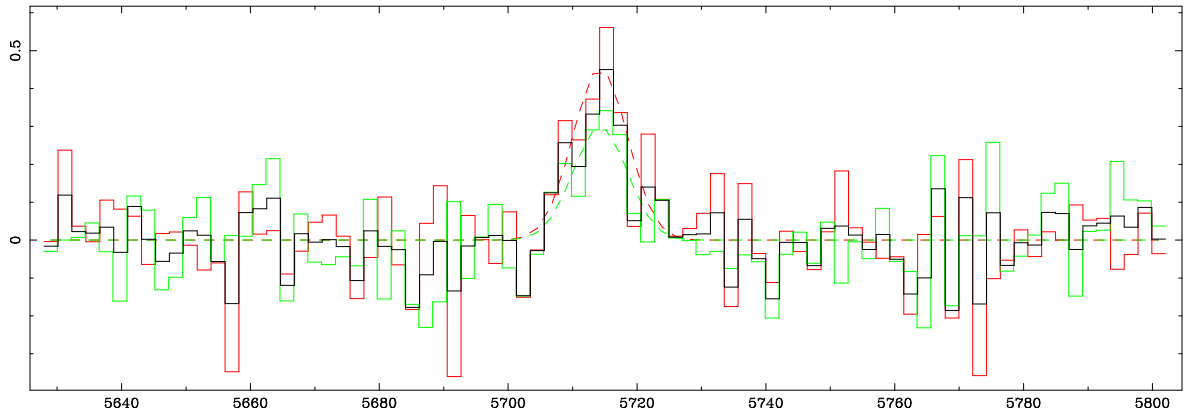
λ_{obs} = 4662.20Å

EW_{obs} > 121.44Å

α_{2000} = 189.1472°

δ_{2000} = 62.2398°





S/N = 8.53

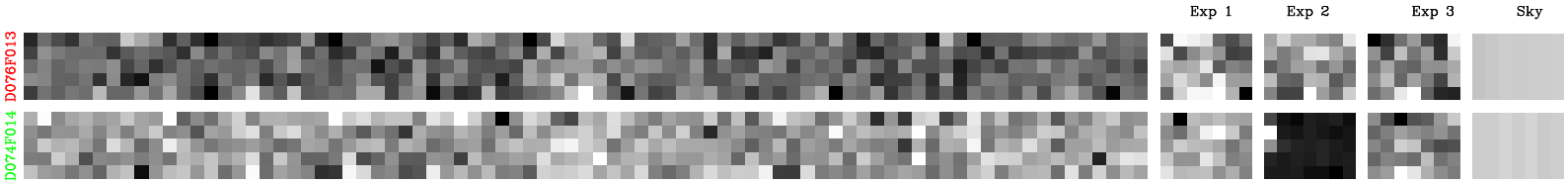
$FWHM_{obs}$ = 9.95Å

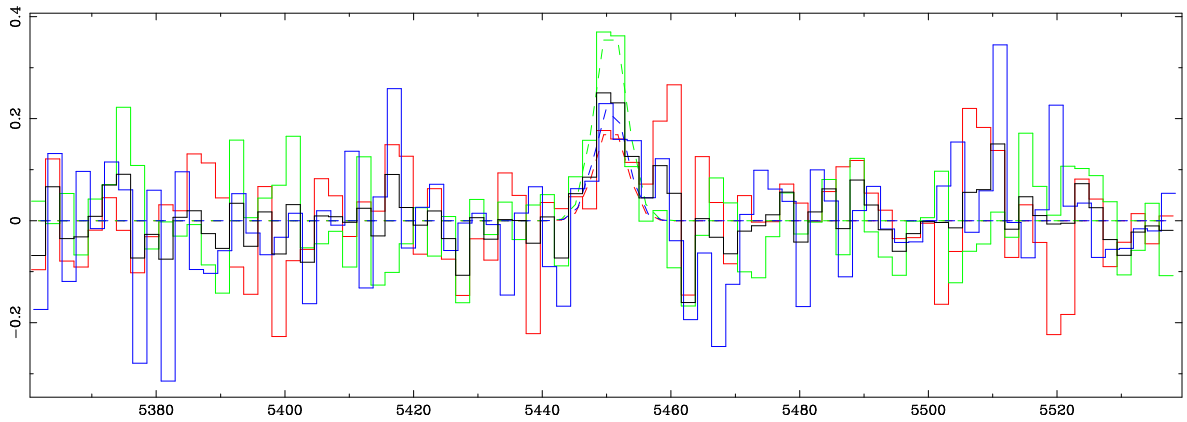
λ_{obs} = 5714.28Å

EW_{obs} > 113.33Å

α_{2000} = 189.1764°

δ_{2000} = 62.2550°



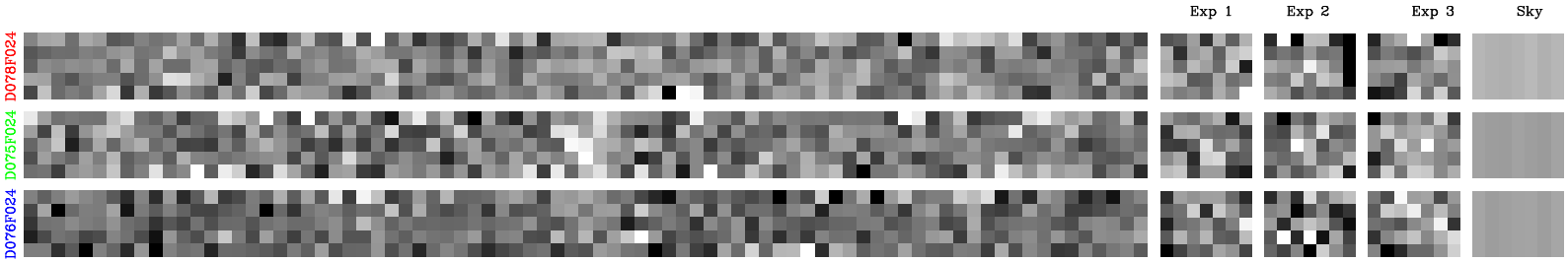


$S/N = 6.12$

$FWHM_{obs} = 5.76$Å

$\lambda_{obs} = 5450.64$Å

$EW_{obs} > 60.93$Å

$\alpha_{2000} = 189.1598°$

$\delta_{2000} = 62.2530°$