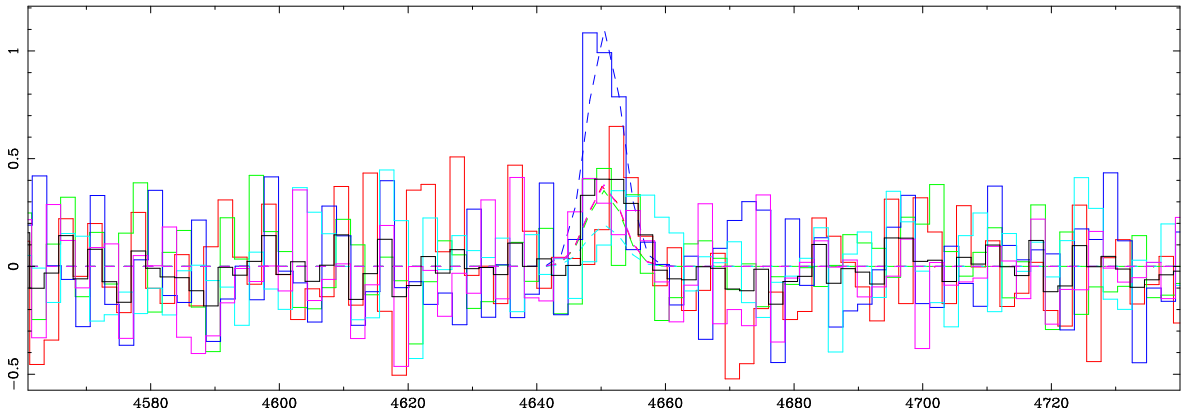


S/N = 7.71

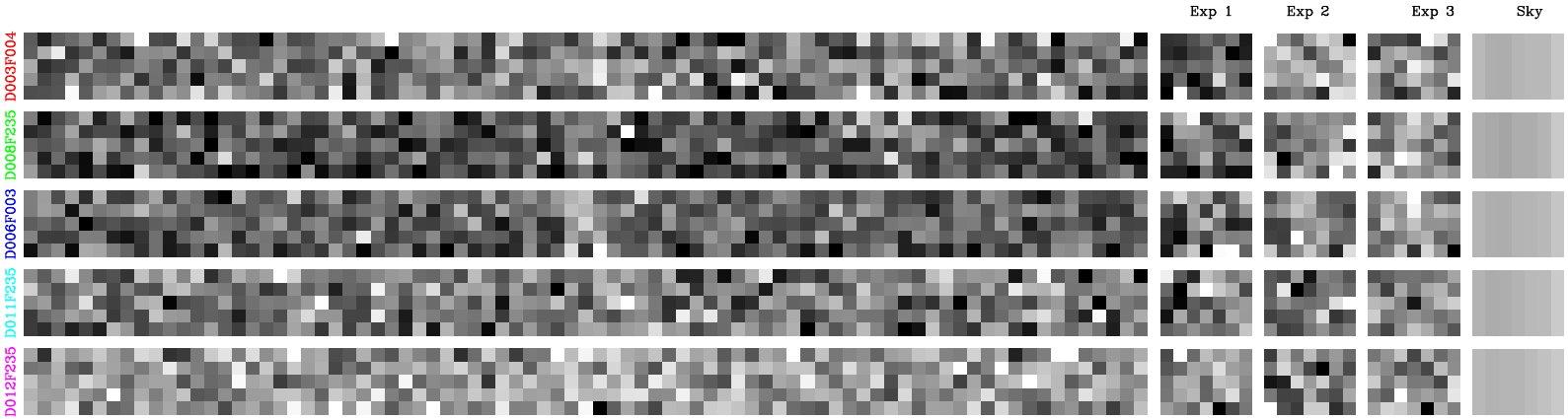
$FWHM_{obs}$ = 6.45Å

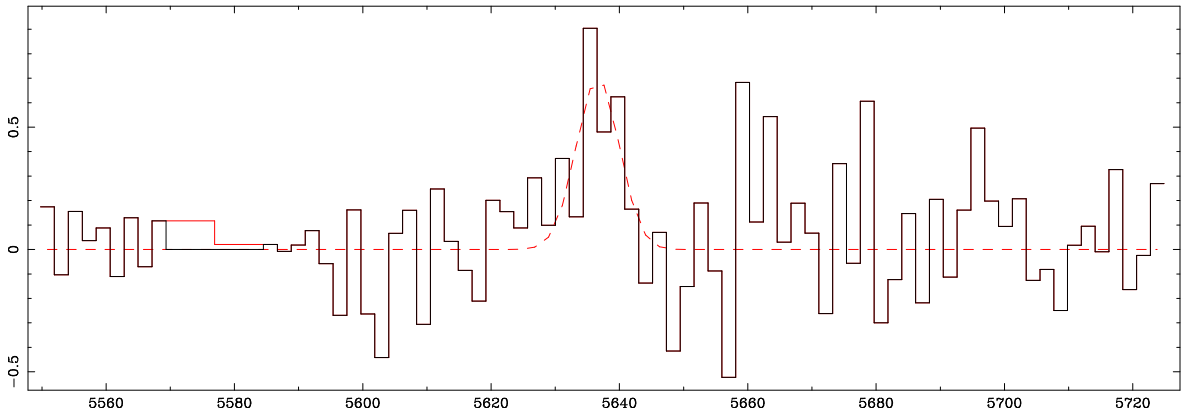
λ_{obs} = 4650.56Å

EW_{obs} > 80.22Å

α_{2000} = 150.1351°

δ_{2000} = 2.2647°





$S/N = 5.09$

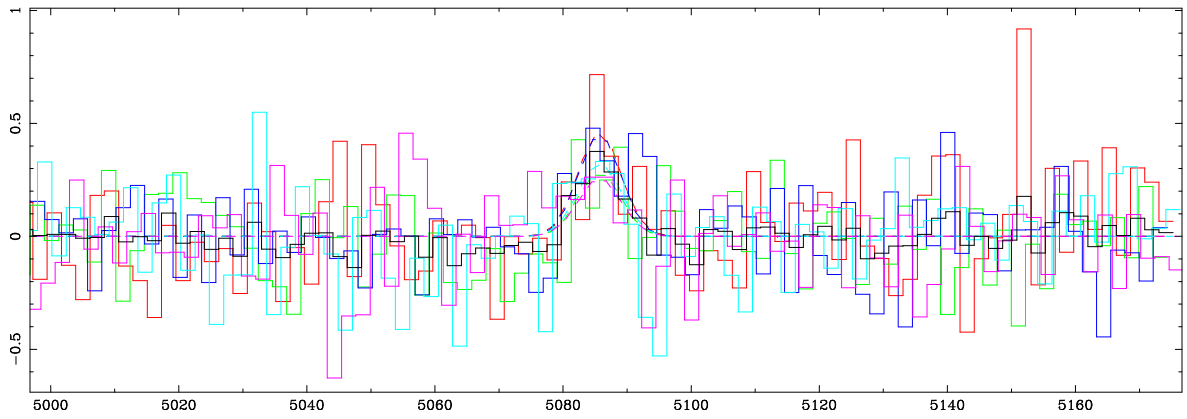
$FWHM_{obs} = 7.88Å$

$\lambda_{obs} = 5636.62Å$

$EW_{obs} > 55.63Å$

$\alpha_{2000} = 150.1332°$

$\delta_{2000} = 2.2642°$



$S/N = 6.78$

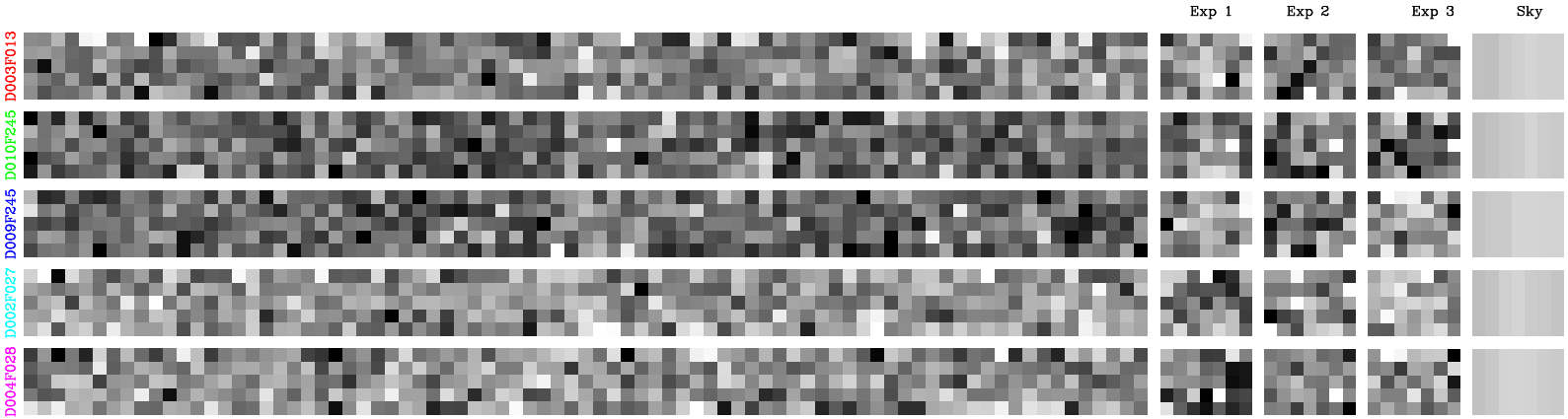
$FWHM_{obs} = 7.83$Å

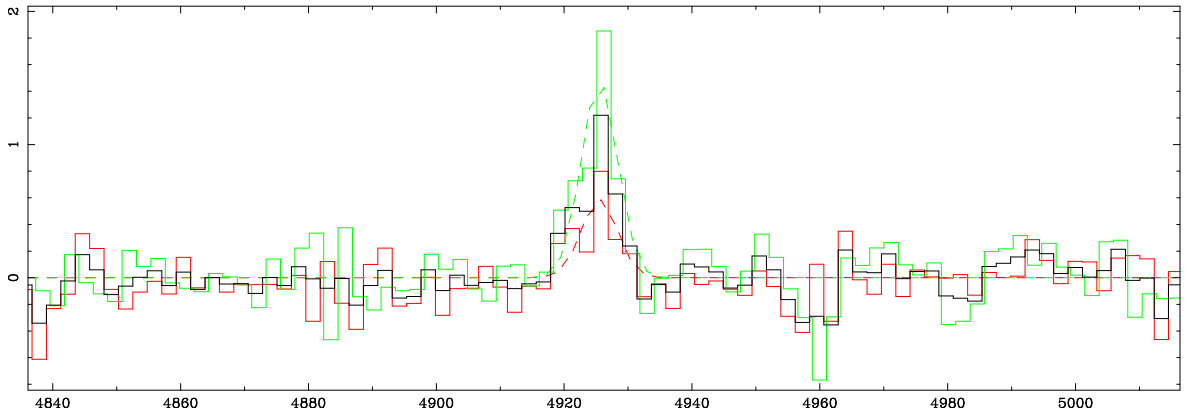
$\lambda_{obs} = 5085.68$Å

$EW_{obs} > 79.74$Å

$\alpha_{2000} = 150.1145°$

$\delta_{2000} = 2.2645°$





$S/N = 9.98$

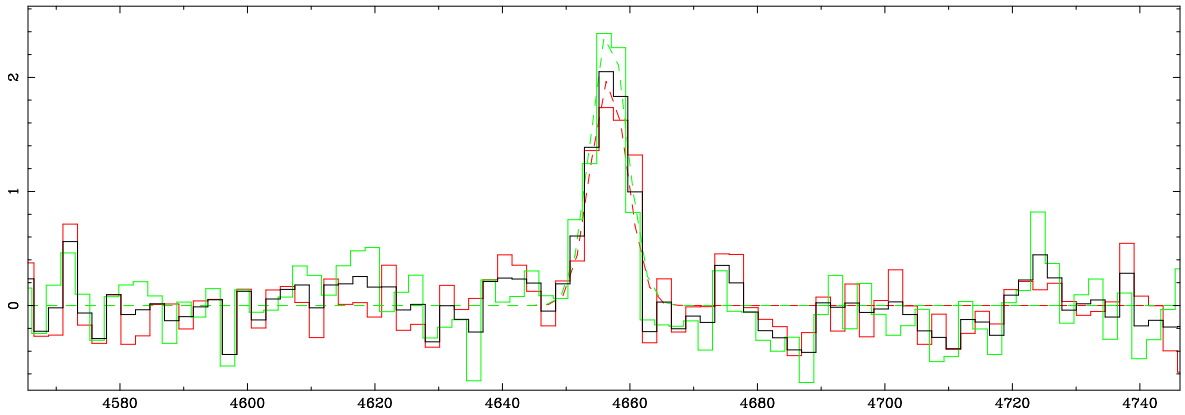
$FWHM_{obs} = 6.68Å$

$\lambda_{obs} = 4925.51Å$

$EW_{obs} = 61.01Å$

$\alpha_{2000} = 150.1375°$

$\delta_{2000} = 2.2589°$



$S/N = 16.51$

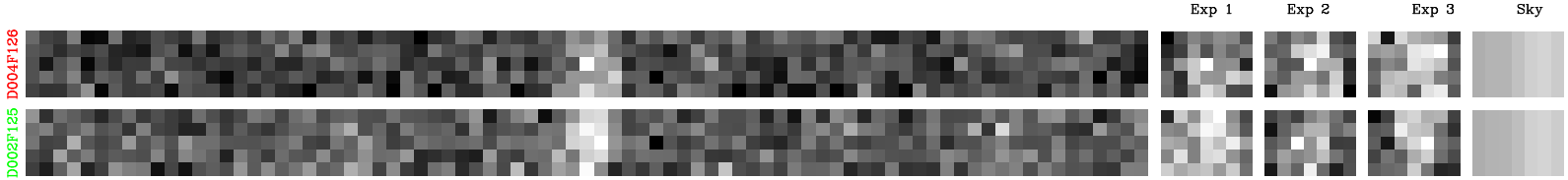
$FWHM_{obs} = 6.73Å$

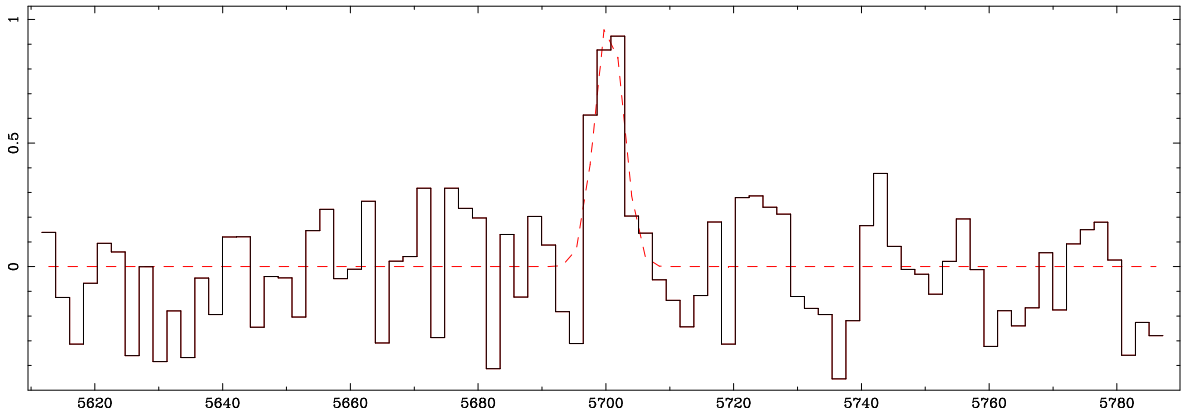
$\lambda_{obs} = 4656.68Å$

$EW_{obs} = 17.77Å$

$\alpha_{2000} = 150.1217°$

$\delta_{2000} = 2.2507°$





$S/N = 5.17$

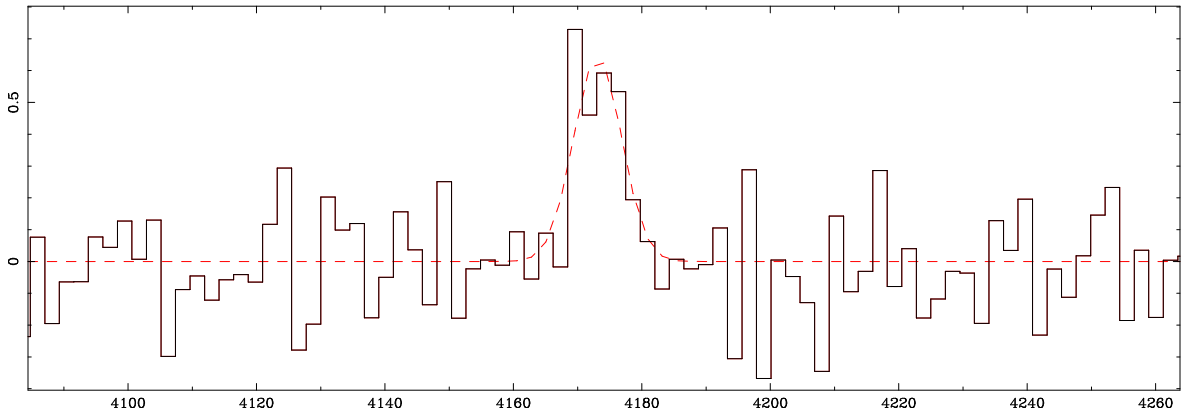
$FWHM_{obs} = 5.20$Å

$\lambda_{obs} = 5700.51$Å

$EW_{obs} > 53.41$Å

$\alpha_{2000} = 150.1188°$

$\delta_{2000} = 2.2450°$



$S/N = 6.14$

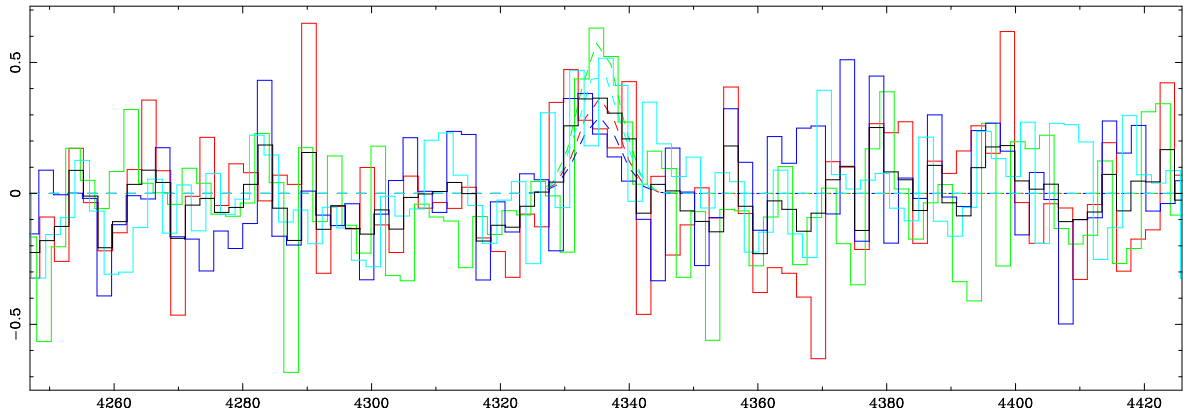
$FWHM_{obs} = 8.73Å$

$\lambda_{obs} = 4173.11Å$

$EW_{obs} > 87.71Å$

$\alpha_{2000} = 150.1211°$

$\delta_{2000} = 2.2359°$



S/N = 6.66

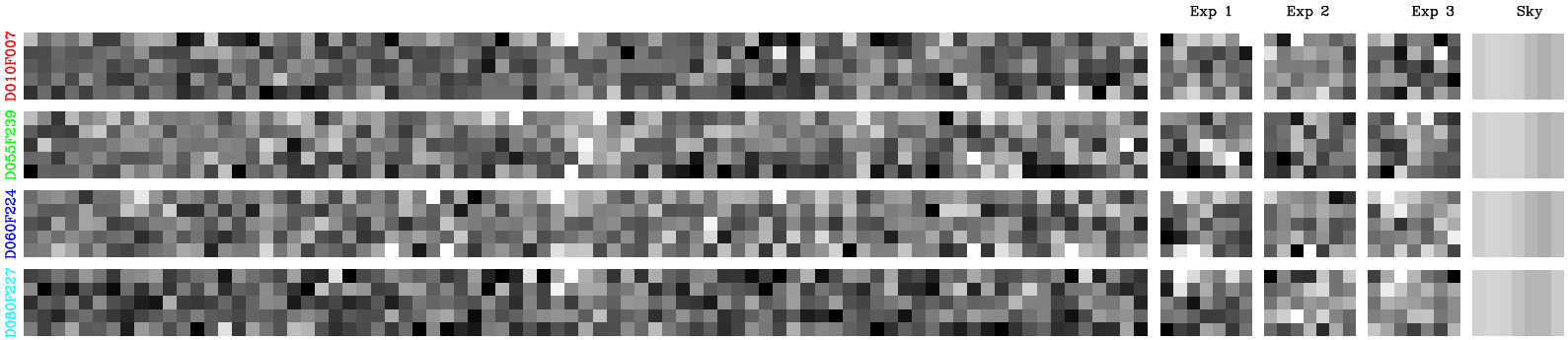
$FWHM_{obs}$ = 7.40Å

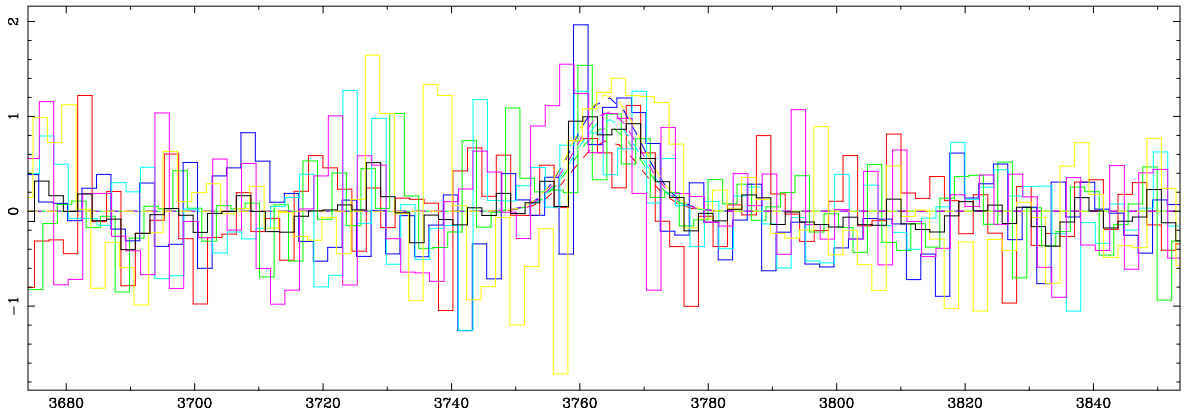
λ_{obs} = 4335.37Å

EW_{obs} > 69.71Å

α_{2000} = 150.1275°

δ_{2000} = 2.2955°





S/N = 9.82

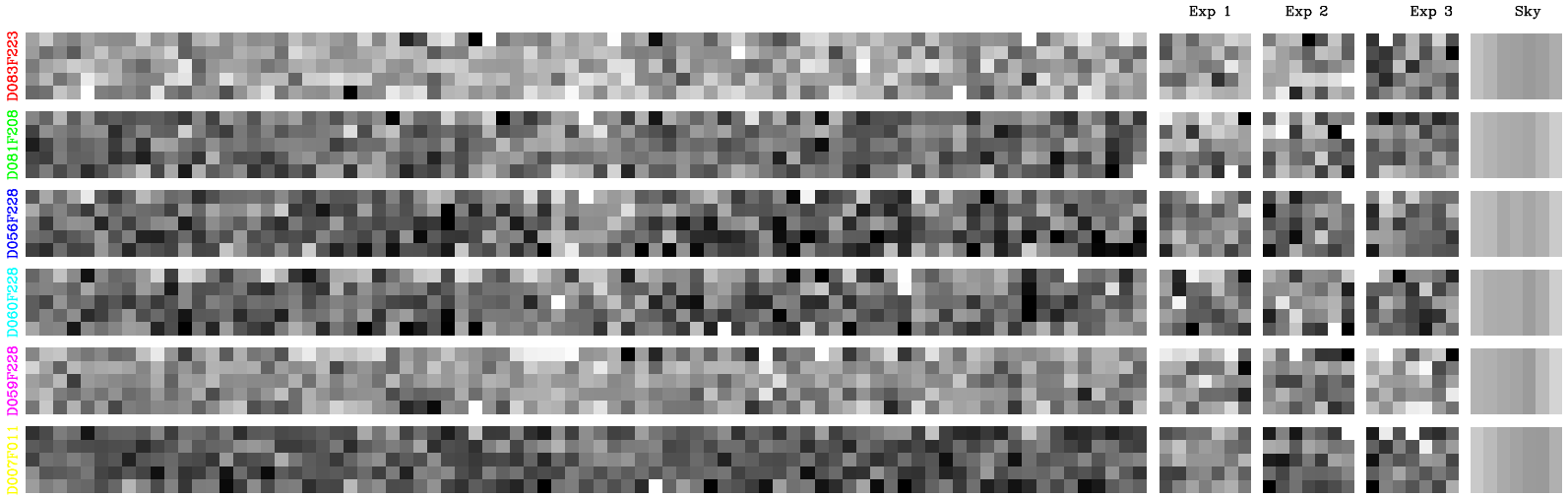
$FWHM_{obs}$ = 12.22Å

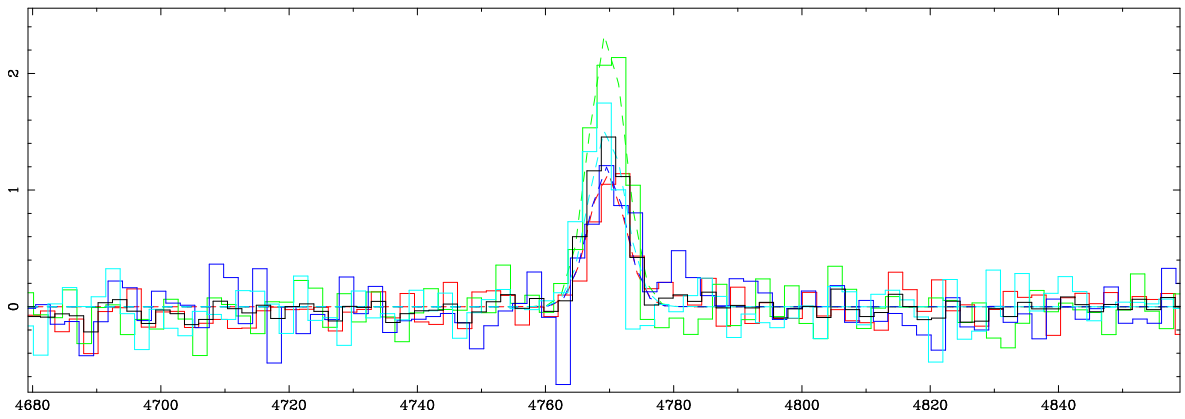
λ_{obs} = 3764.31Å

EW_{obs} > 152.83Å

α_{2000} = 150.1191°

δ_{2000} = 2.2968°





$S/N = 21.97$

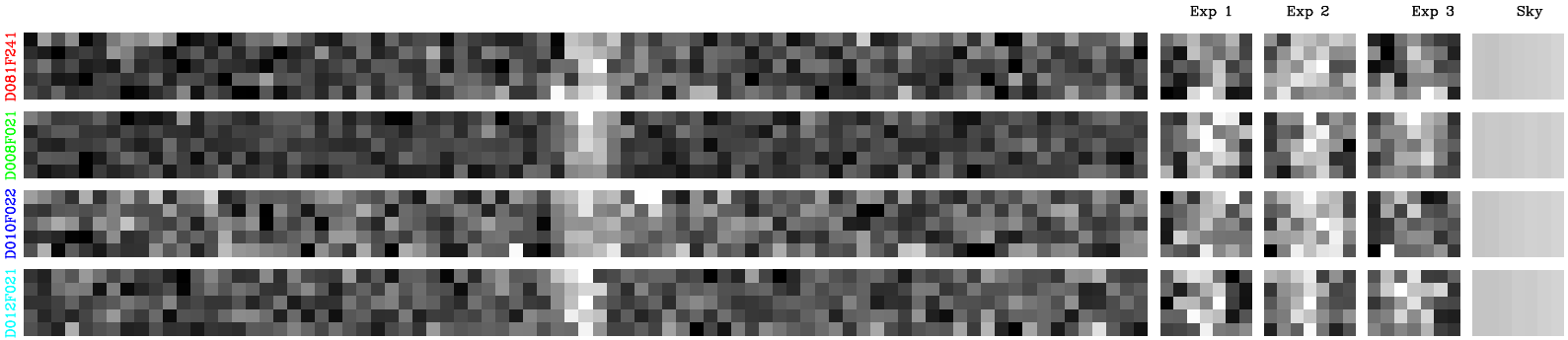
$FWHM_{obs} = 6.66Å$

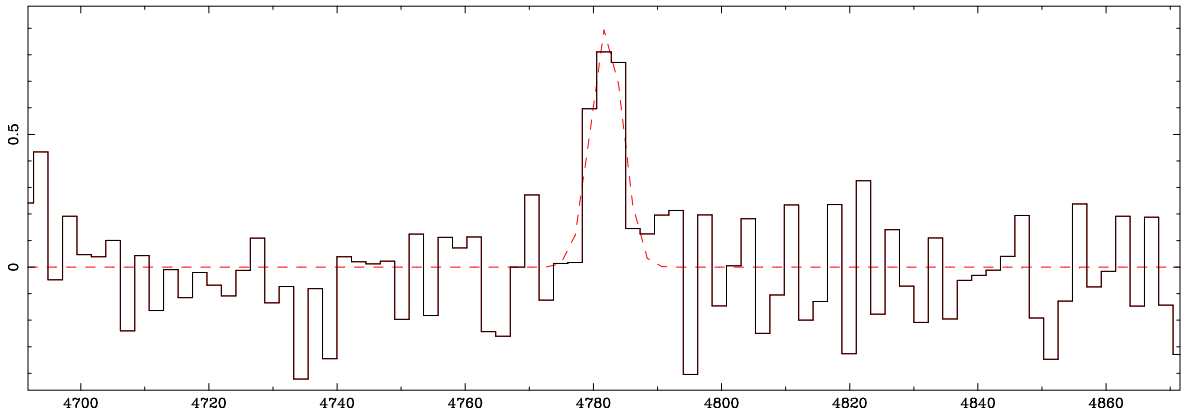
$\lambda_{obs} = 4769.57Å$

$EW_{obs} = 30.14Å$

$\alpha_{2000} = 150.1275°$

$\delta_{2000} = 2.2932°$





$S/N = 5.91$

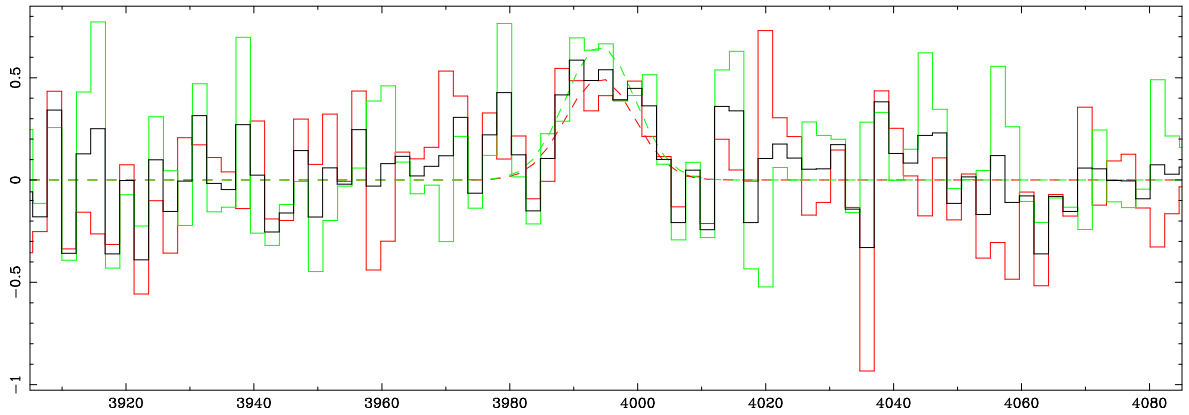
$FWHM_{obs} = 5.78$Å

$\lambda_{obs} = 4782.09$Å

$EW_{obs} > 63.87$Å

$\alpha_{2000} = 150.1183°$

$\delta_{2000} = 2.2934°$



S/N = 5.42

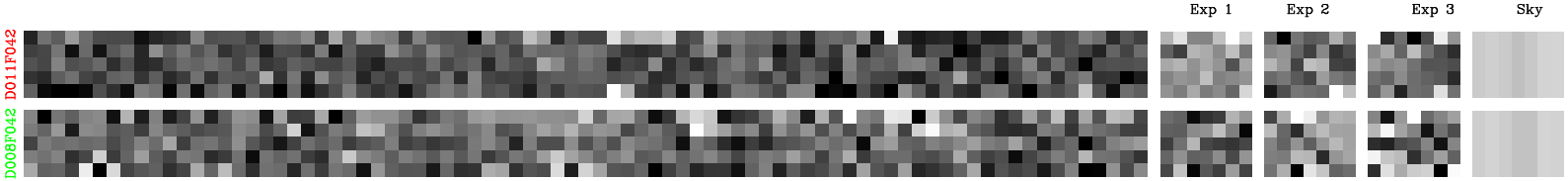
$FWHM_{obs}$ = 12.75Å

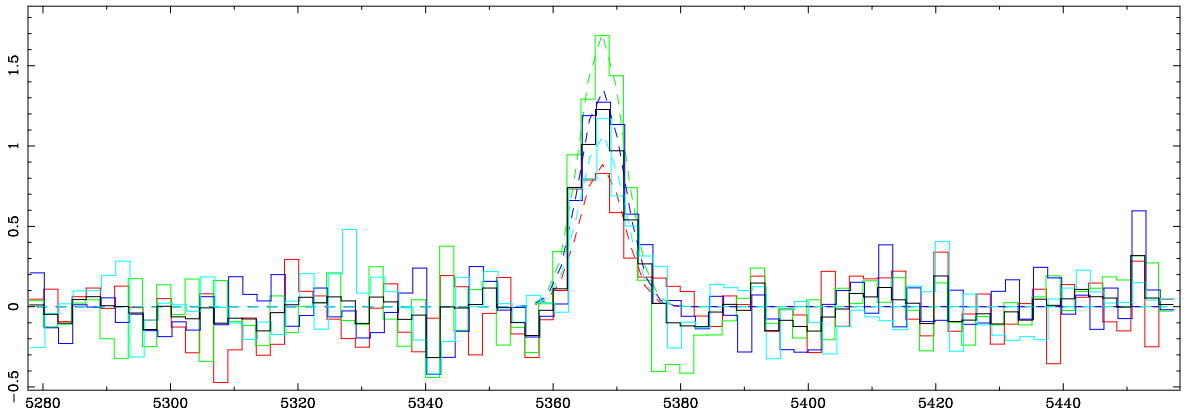
λ_{obs} = 3994.13Å

EW_{obs} > 83.78Å

α_{2000} = 150.1136°

δ_{2000} = 2.2920°





S/N = 21.82

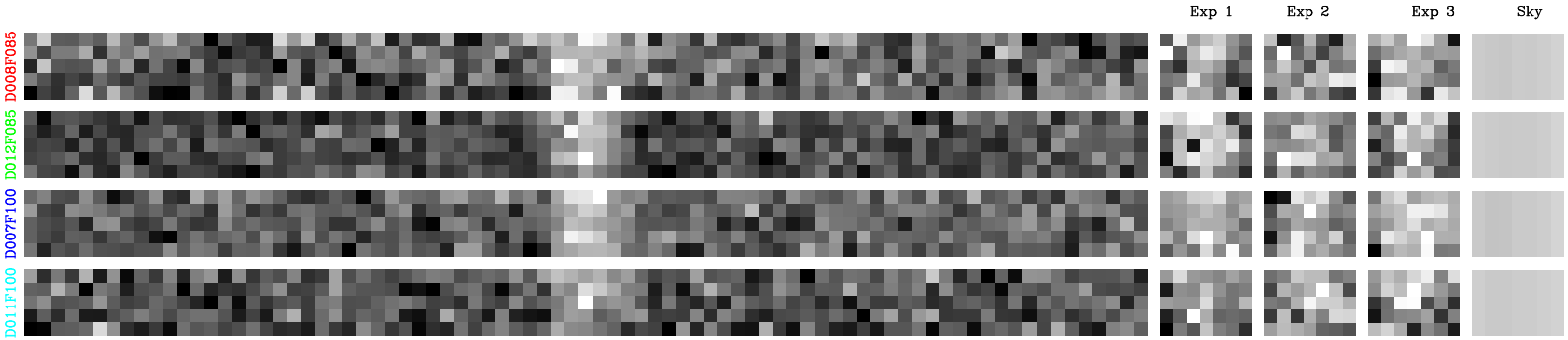
$FWHM_{obs}$ = 8.17Å

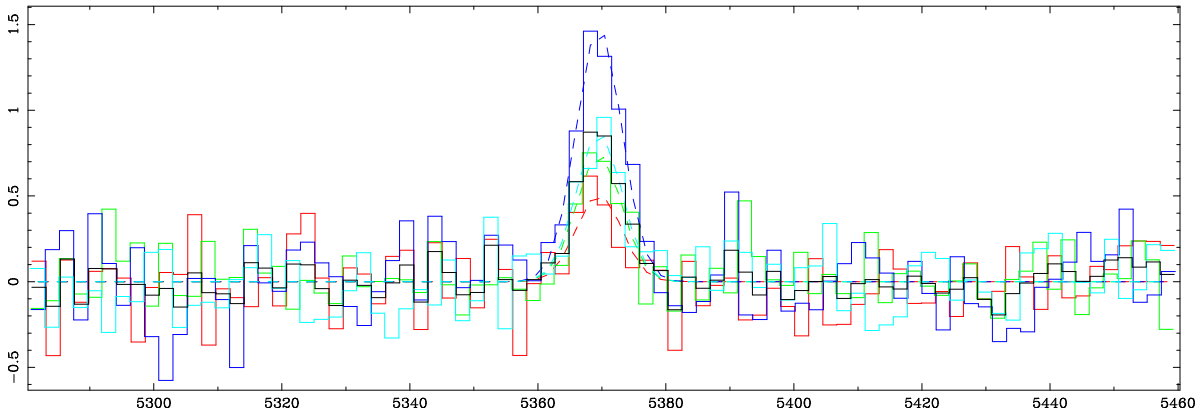
λ_{obs} = 5367.62Å

EW_{obs} = 30.23Å

α_{2000} = 150.1145°

δ_{2000} = 2.2852°





S/N = 16.80

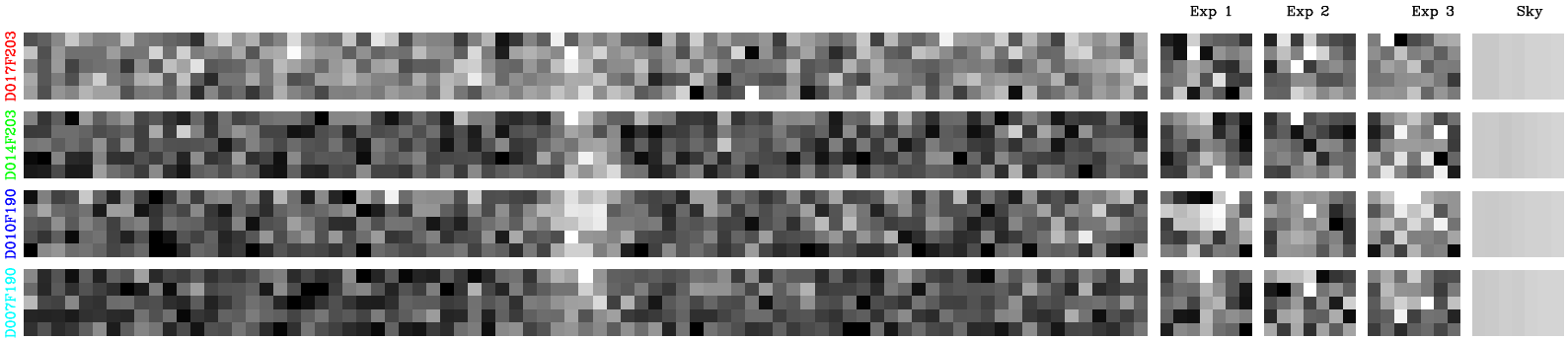
$FWHM_{obs}$ = 8.37Å

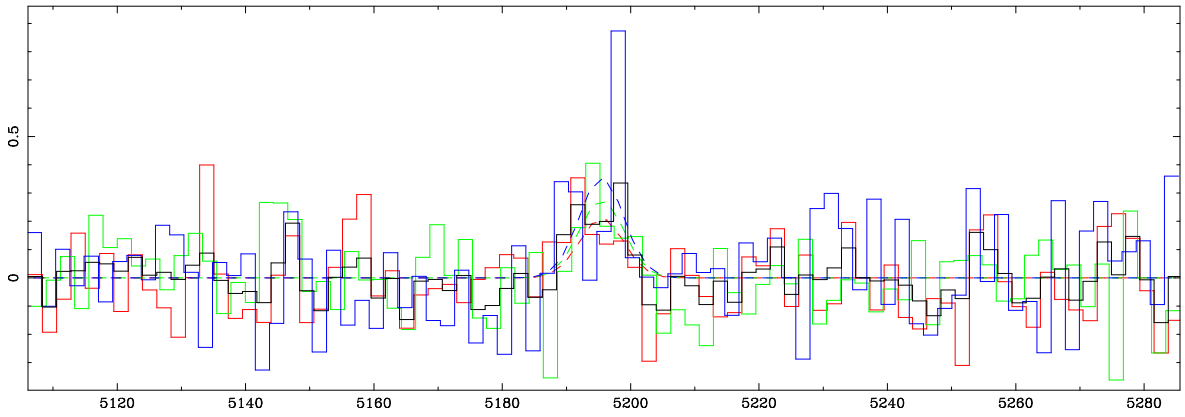
λ_{obs} = 5369.55Å

EW_{obs} = 46.27Å

α_{2000} = 150.1396°

δ_{2000} = 2.2706°





$S/N = 5.61$

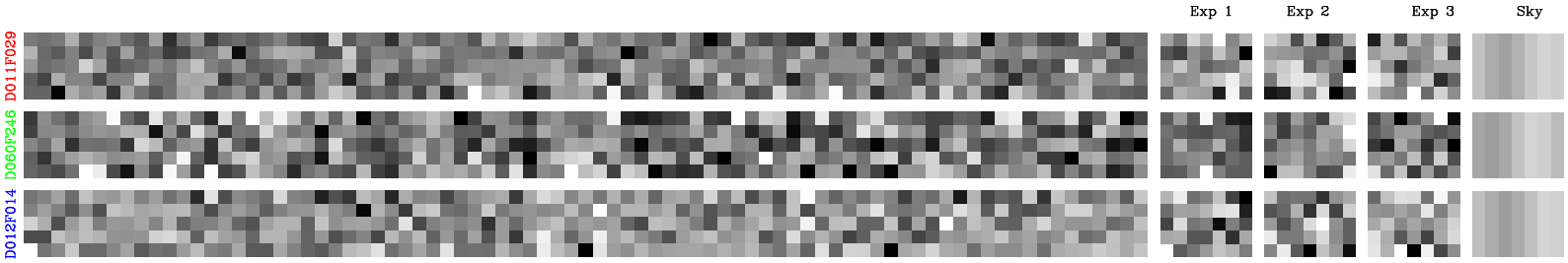
$FWHM_{obs} = 8.11$Å

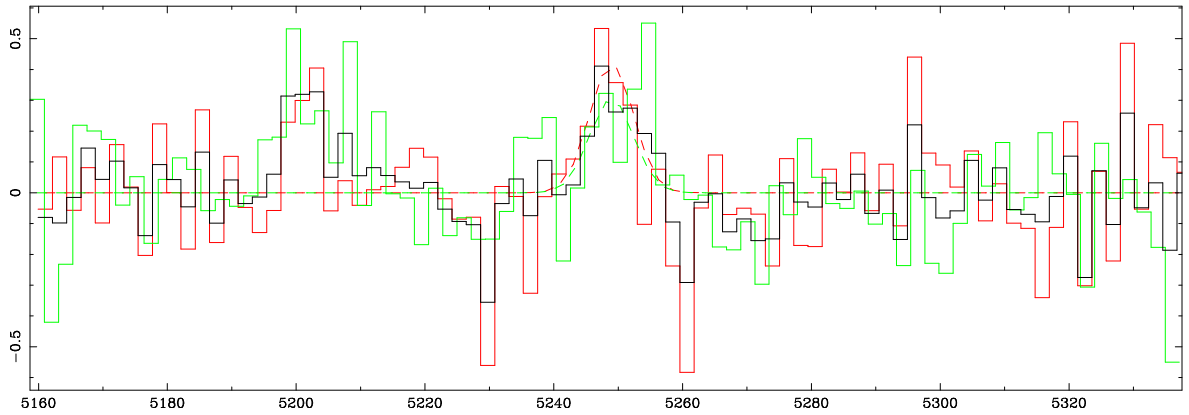
$\lambda_{obs} = 5195.46$Å

$EW_{obs} > 70.26$Å

$\alpha_{2000} = 150.1114°$

$\delta_{2000} = 2.2944°$





$S/N = 5.48$

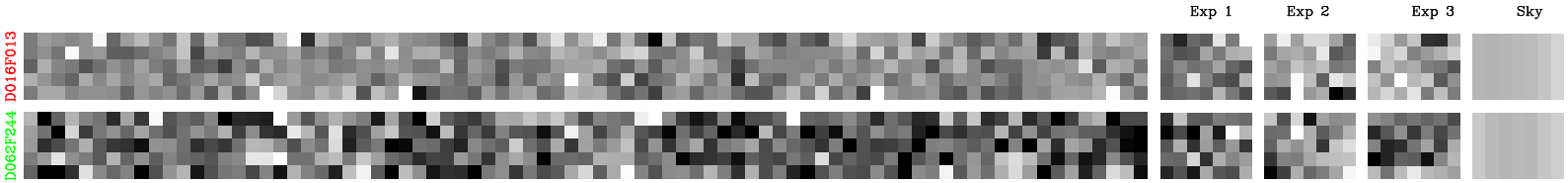
$FWHM_{obs} = 8.02Å$

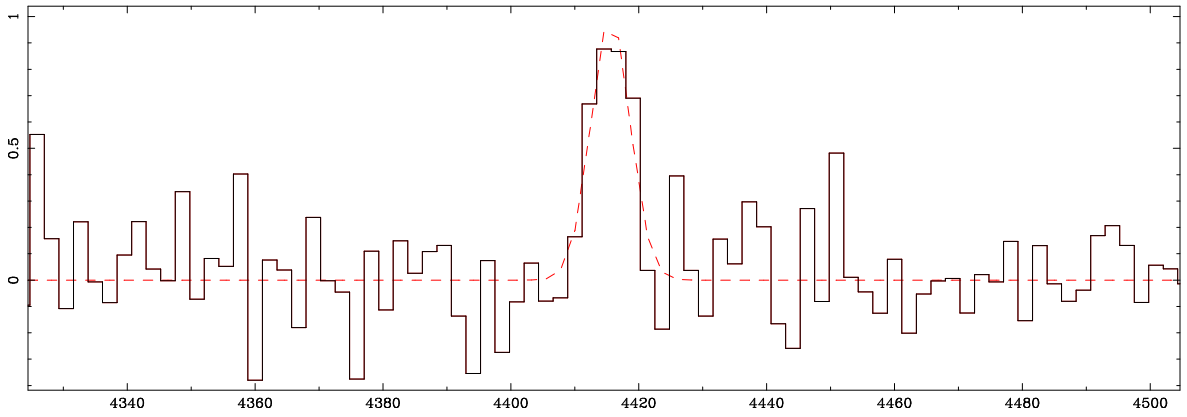
$\lambda_{obs} = 5248.96Å$

$EW_{obs} > 64.65Å$

$\alpha_{2000} = 150.1450°$

$\delta_{2000} = 2.2951°$





$S/N = 6.81$

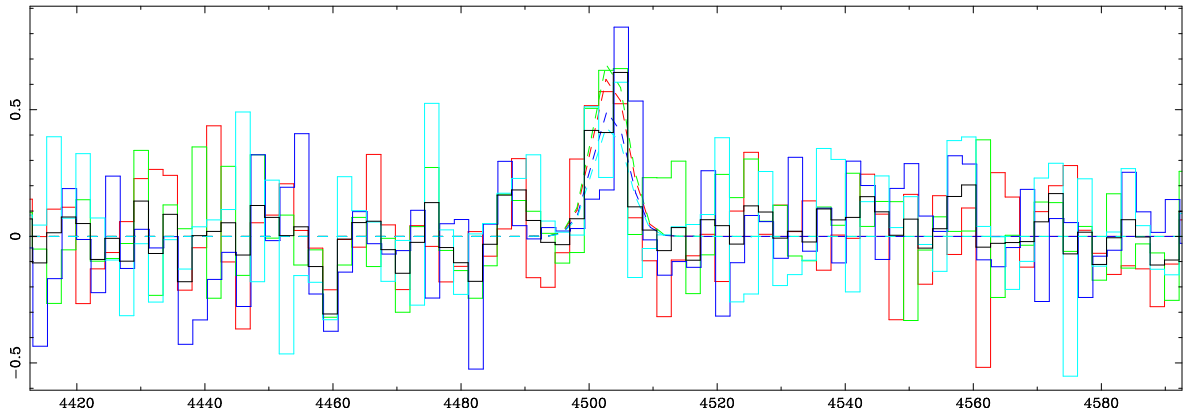
$FWHM_{obs} = 7.19Å$

$\lambda_{obs} = 4415.59Å$

$EW_{obs} > 87.19Å$

$\alpha_{2000} = 150.1712°$

$\delta_{2000} = 2.2843°$



S/N = 7.82

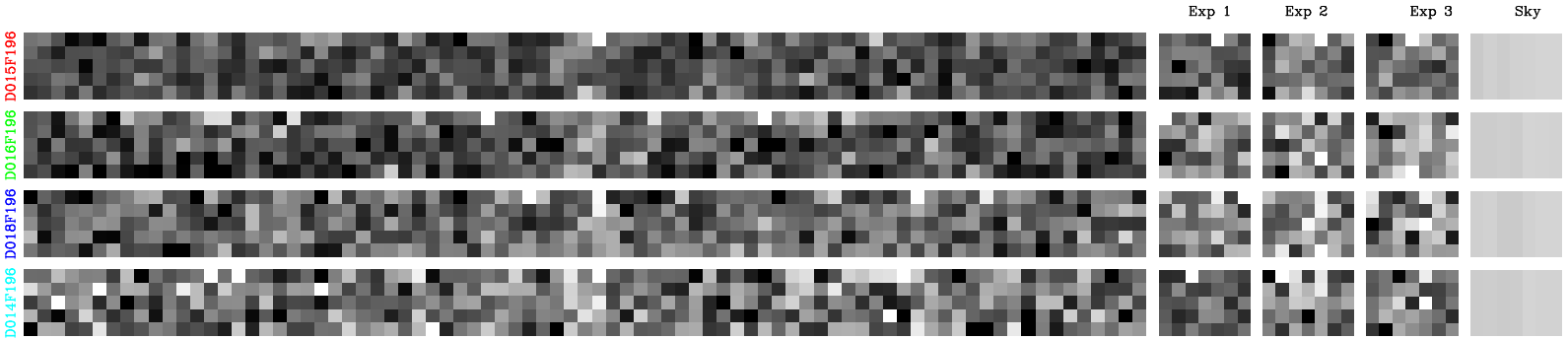
$FWHM_{obs}$ = 6.39Å

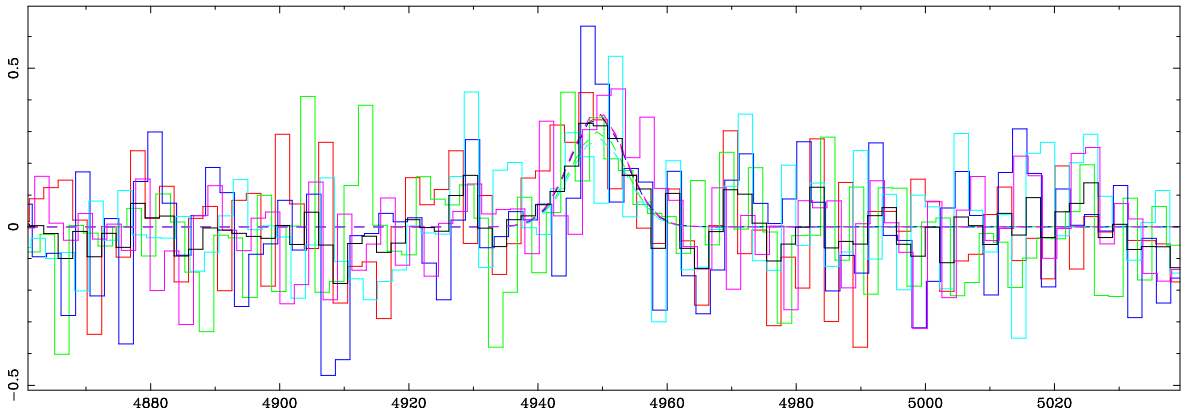
λ_{obs} = 4503.30Å

EW_{obs} = 59.00Å

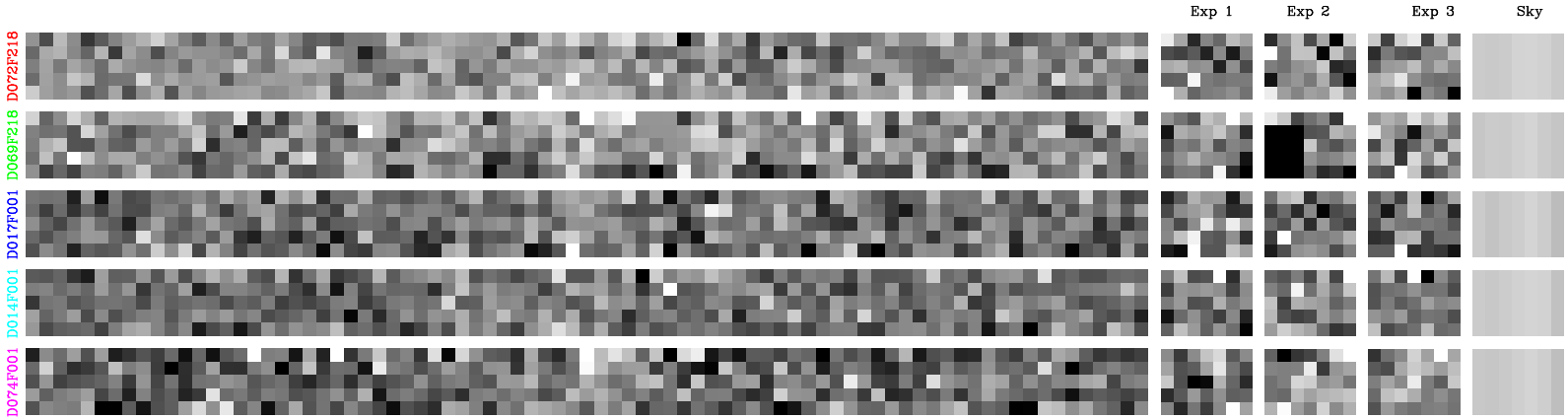
α_{2000} = 150.1557°

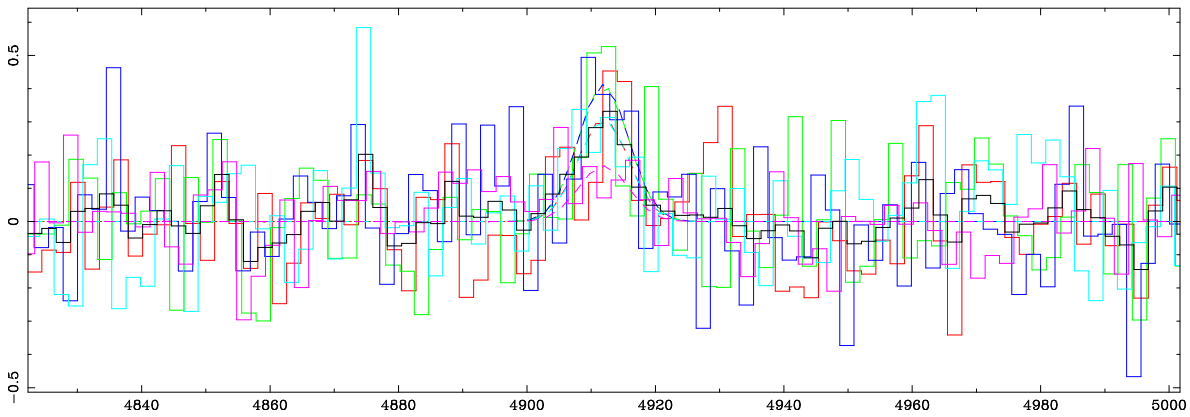
δ_{2000} = 2.2702°





S/N = 7.71
$FWHM_{obs}$ = 10.11Å
λ_{obs} = 4949.30Å
EW_{obs} > 111.09Å
α_{2000} = 150.1696°
δ_{2000} = 2.2949°





$S/N = 8.07$

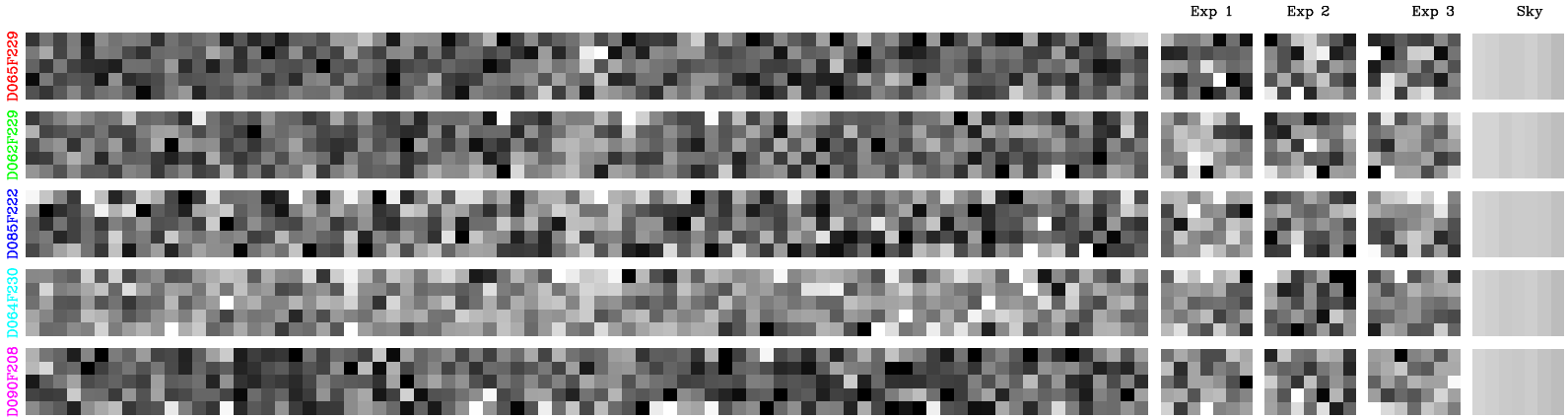
$FWHM_{obs} = 9.21Å$

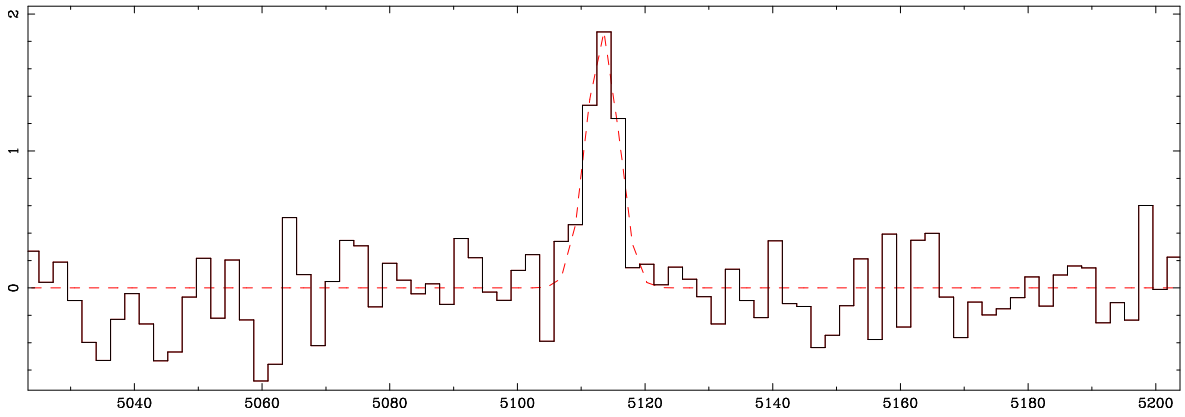
$\lambda_{obs} = 4911.92Å$

$EW_{obs} > 104.43Å$

$\alpha_{2000} = 150.1462°$

$\delta_{2000} = 2.2971°$





$S/N = 9.02$

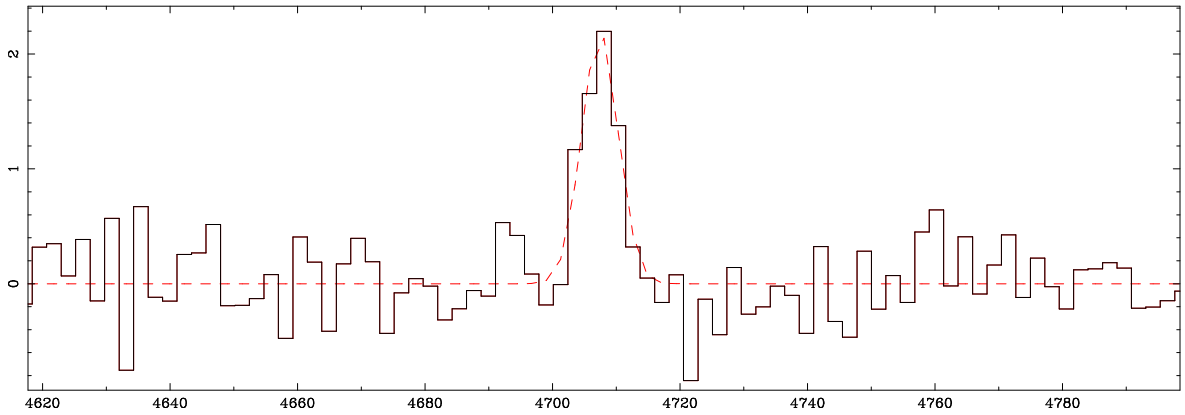
$FWHM_{obs} = 5.92Å$

$\lambda_{obs} = 5113.31Å$

$EW_{obs} > 101.21Å$

$\alpha_{2000} = 150.1501°$

$\delta_{2000} = 2.2575°$



S/N = 9.98

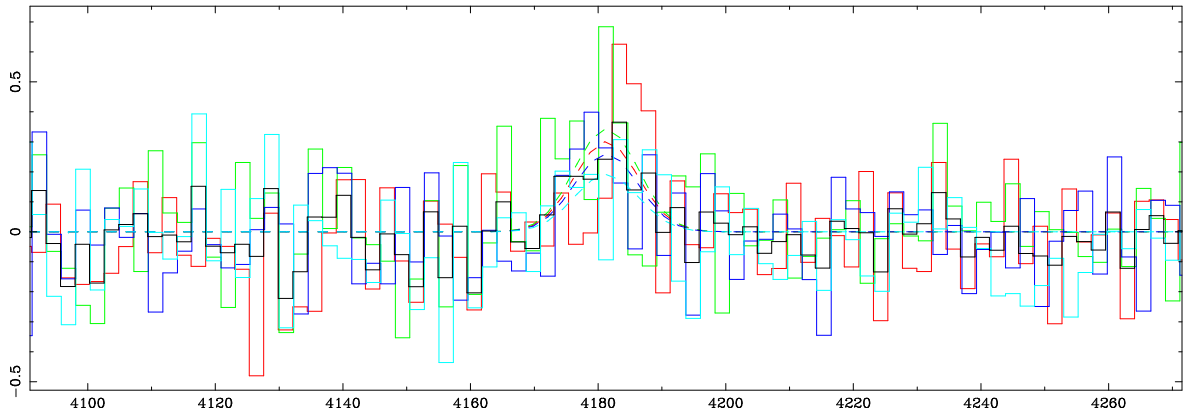
$FWHM_{obs}$ = 6.72Å

λ_{obs} = 4707.44Å

EW_{obs} = 43.24Å

α_{2000} = 150.1544°

δ_{2000} = 2.2525°



S/N = 6.04

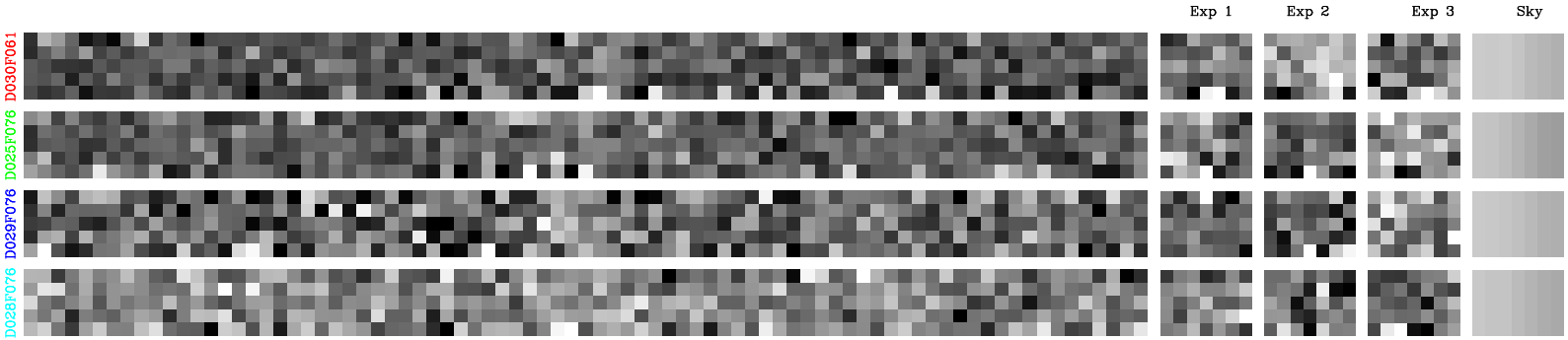
$FWHM_{obs}$ = 11.82Å

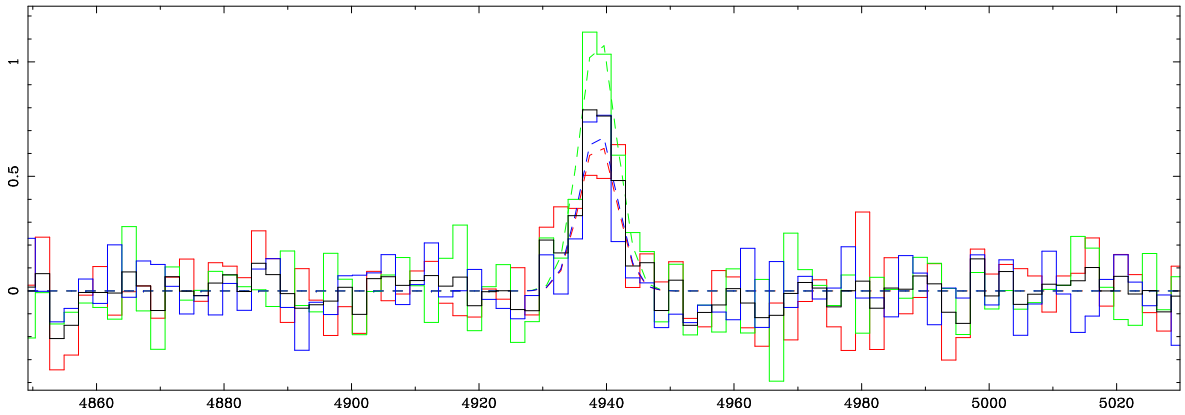
λ_{obs} = 4181.28Å

EW_{obs} > 84.20Å

α_{2000} = 150.1650°

δ_{2000} = 2.2274°





$S/N = 15.56$

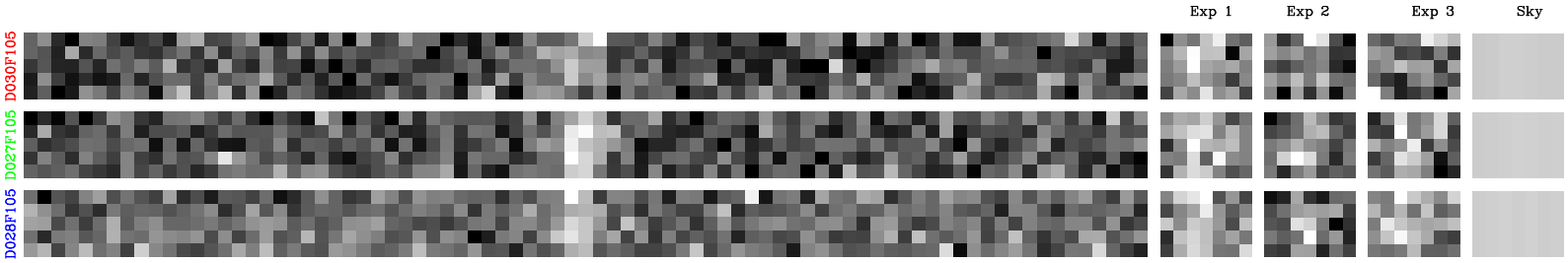
$FWHM_{obs} = 6.85Å$

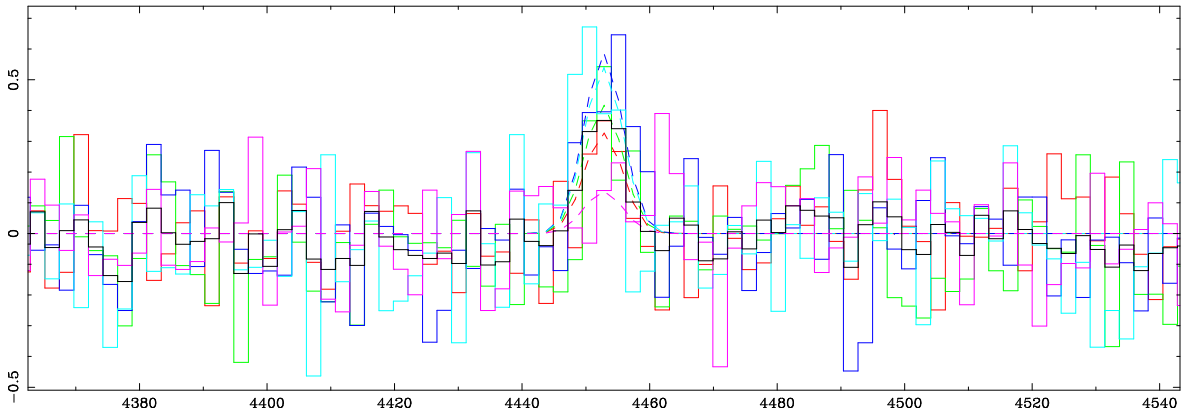
$\lambda_{obs} = 4938.66Å$

$EW_{obs} = 65.56Å$

$\alpha_{2000} = 150.1649°$

$\delta_{2000} = 2.2223°$





S/N = 8.79

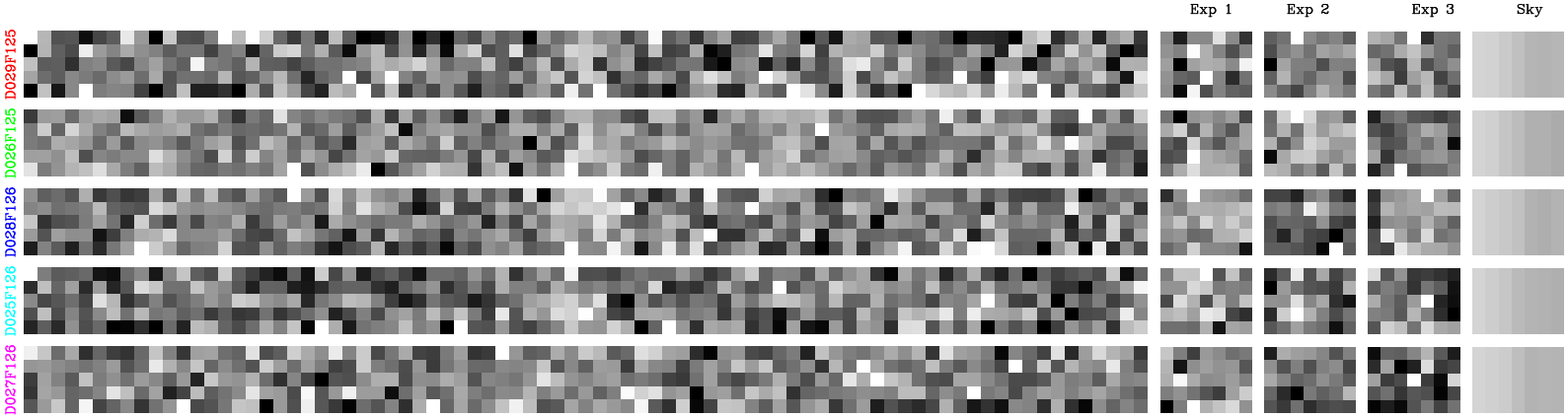
$FWHM_{obs}$ = 7.12Å

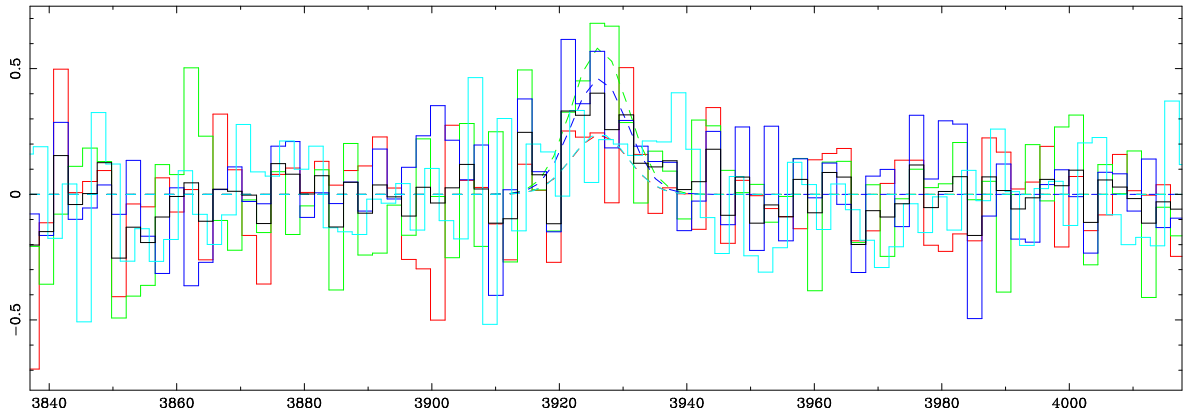
λ_{obs} = 4452.77Å

EW_{obs} = 16.84Å

α_{2000} = 150.1514°

δ_{2000} = 2.2216°





$S/N = 7.31$

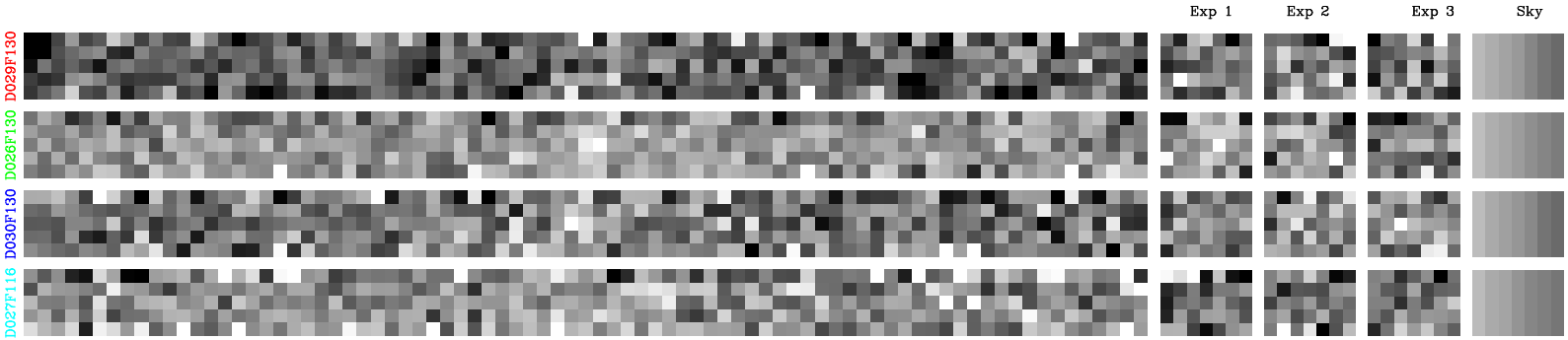
$FWHM_{obs} = 10.29Å$

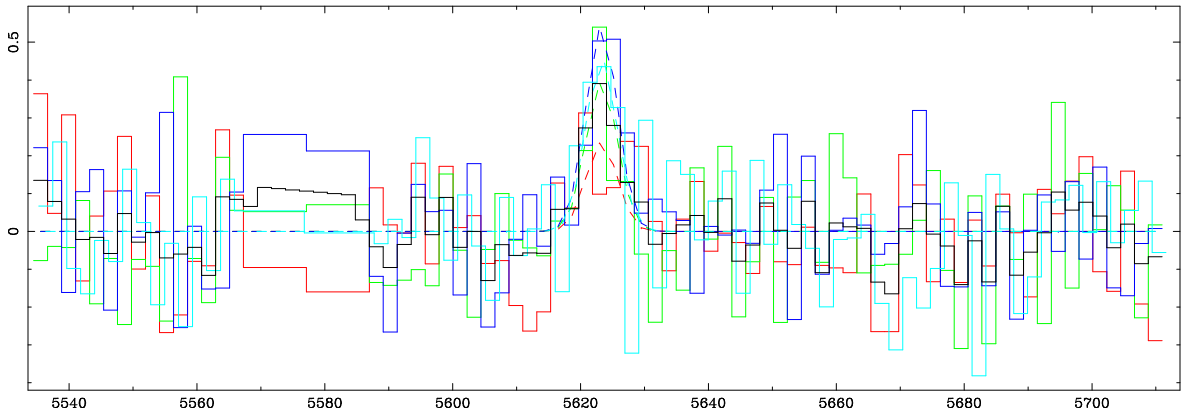
$\lambda_{obs} = 3926.31Å$

$EW_{obs} > 87.69Å$

$\alpha_{2000} = 150.1413°$

$\delta_{2000} = 2.2216°$





$S/N = 7.52$

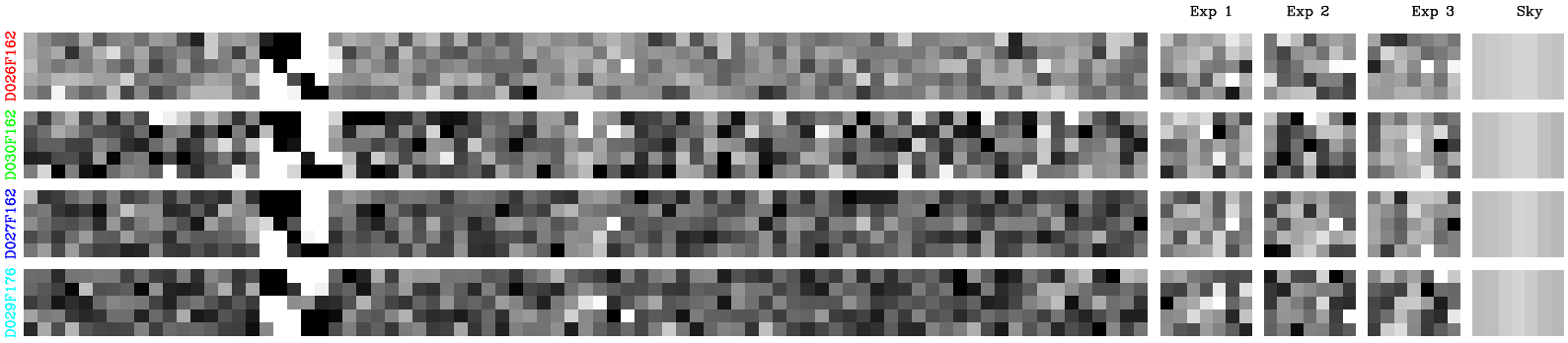
$FWHM_{obs} = 5.78Å$

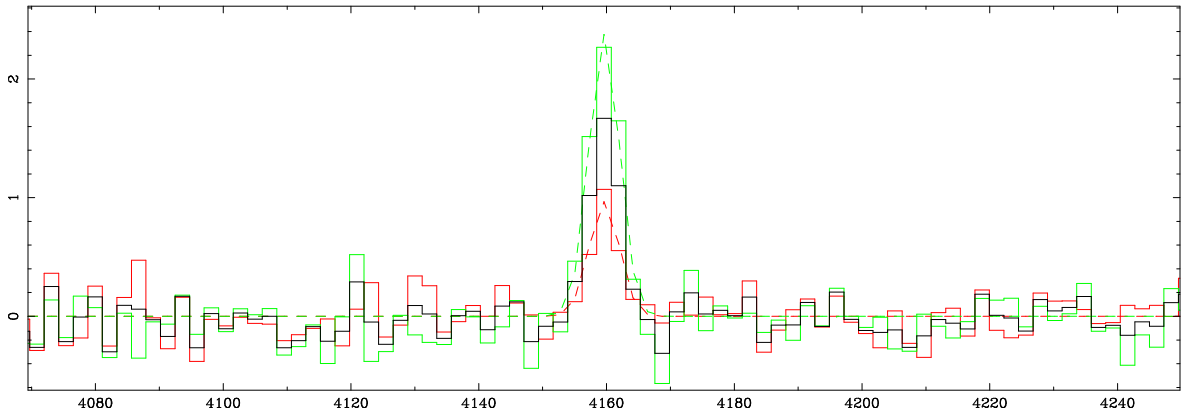
$\lambda_{obs} = 5623.28Å$

$EW_{obs} > 77.43Å$

$\alpha_{2000} = 150.1668°$

$\delta_{2000} = 2.2144°$





S/N = 15.62

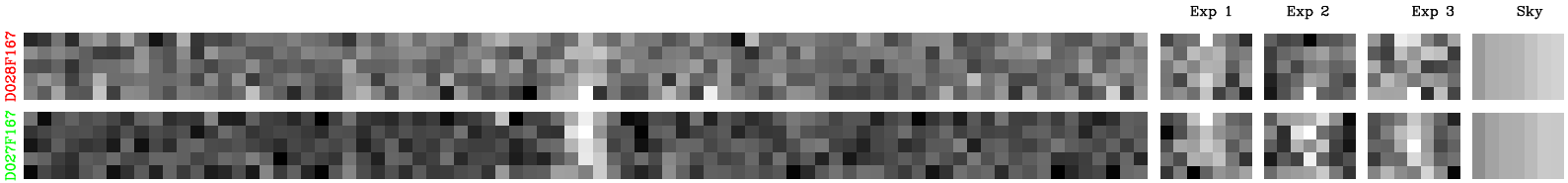
$FWHM_{obs}$ = 5.57Å

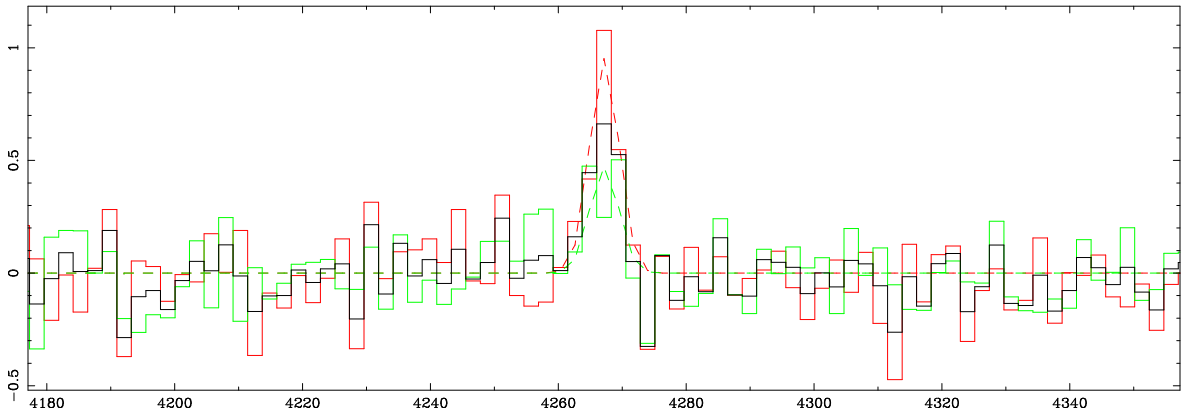
λ_{obs} = 4159.64Å

EW_{obs} = 24.00Å

α_{2000} = 150.1563°

δ_{2000} = 2.2152°





$S/N = 8.35$

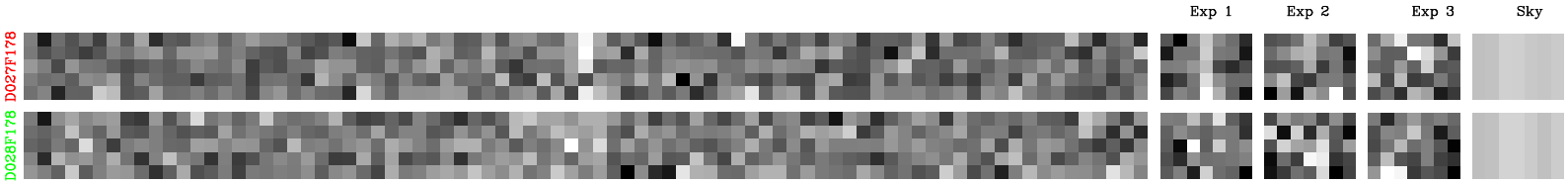
$FWHM_{obs} = 5.37Å$

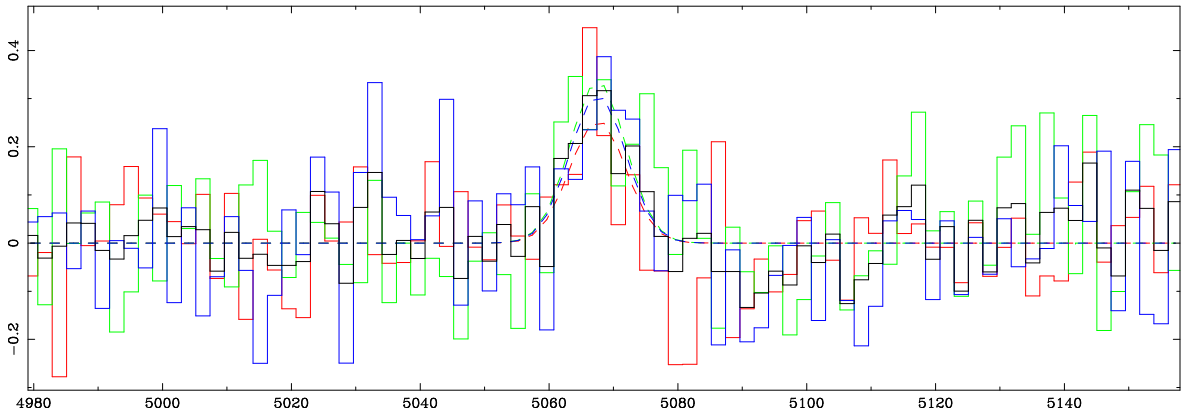
$\lambda_{obs} = 4267.18Å$

$EW_{obs} = 31.79Å$

$\alpha_{2000} = 150.1639°$

$\delta_{2000} = 2.2129°$





$S/N = 7.59$

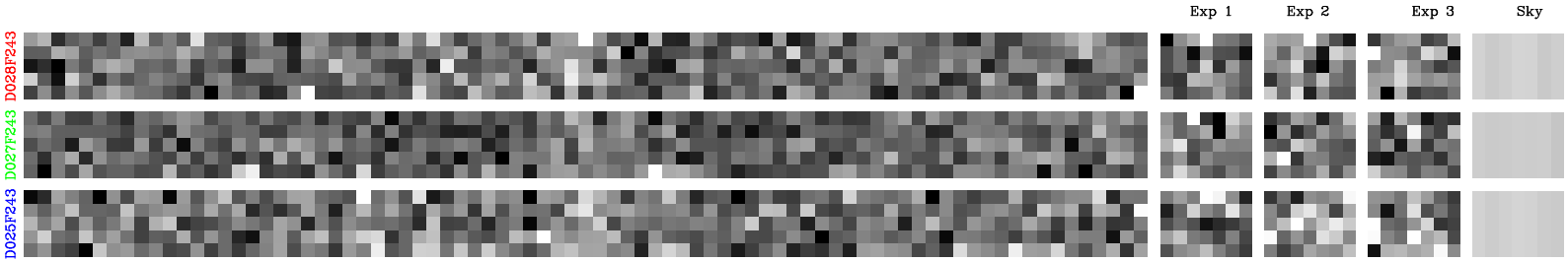
$FWHM_{obs} = 10.25Å$

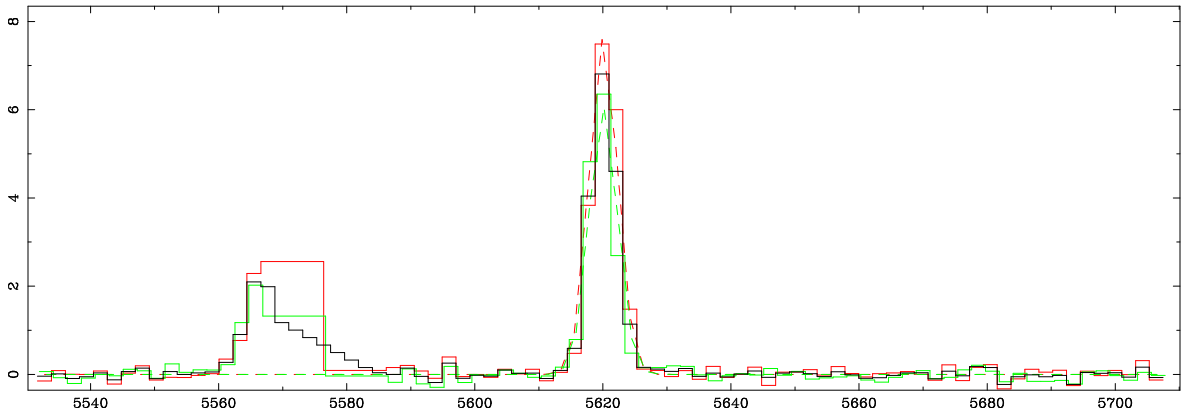
$\lambda_{obs} = 5067.57Å$

$EW_{obs} > 101.93Å$

$\alpha_{2000} = 150.1486°$

$\delta_{2000} = 2.2062°$





$S/N = 66.32$

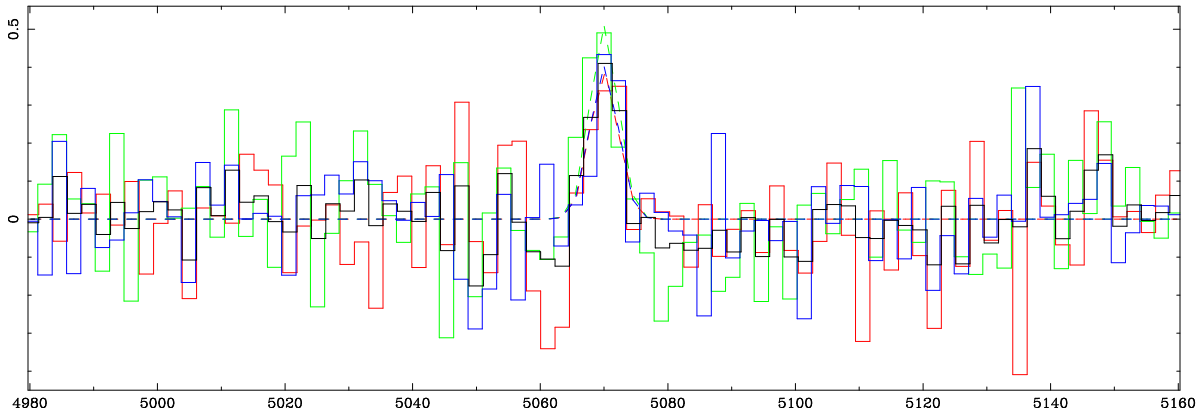
$FWHM_{obs} = 5.20Å$

$\lambda_{obs} = 5620.07Å$

$EW_{obs} = 49.47Å$

$\alpha_{2000} = 150.1370°$

$\delta_{2000} = 2.2323°$



$S/N = 6.95$

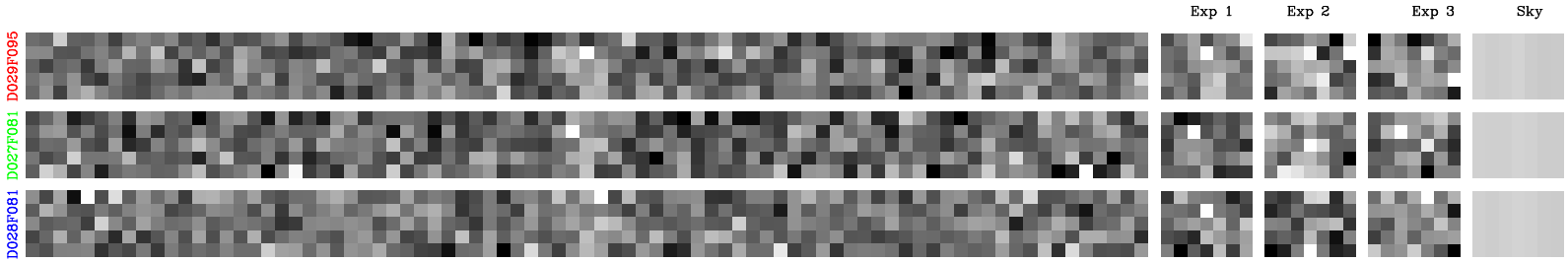
$FWHM_{obs} = 5.20$Å

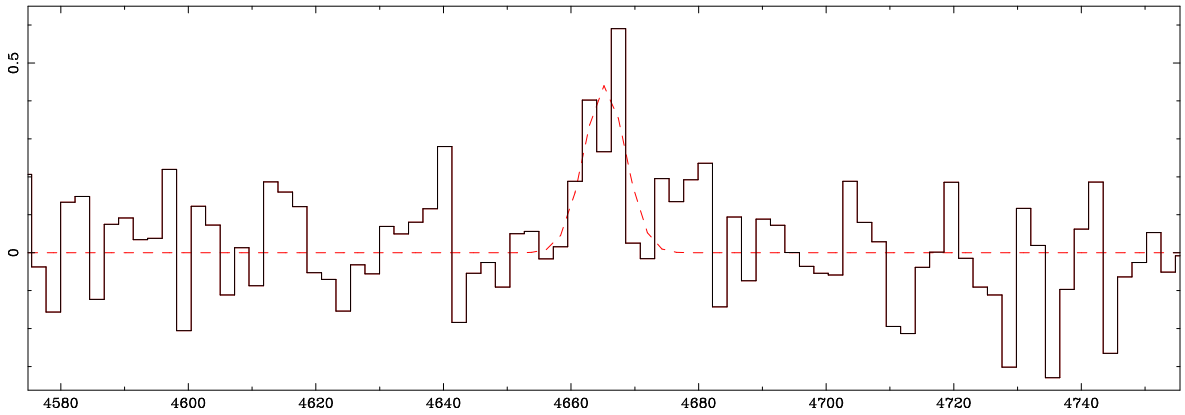
$\lambda_{obs} = 5070.00$Å

$EW_{obs} = 9.51$Å

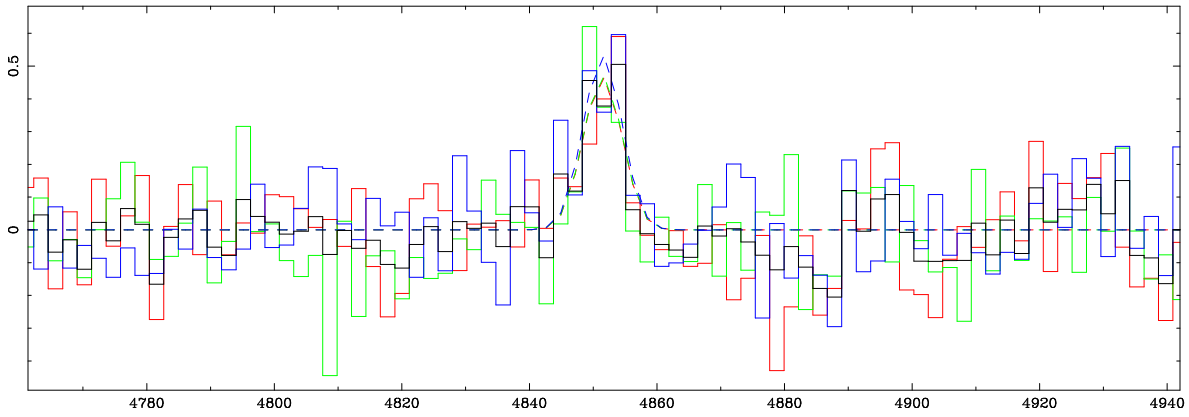
$\alpha_{2000} = 150.1544°$

$\delta_{2000} = 2.2262°$





S/N = 5.13
$FWHM_{obs}$ = 7.65Å
λ_{obs} = 4665.28Å
EW_{obs} > 50.01Å
α_{2000} = 150.1530°
δ_{2000} = 2.2194°



$S/N = 10.26$

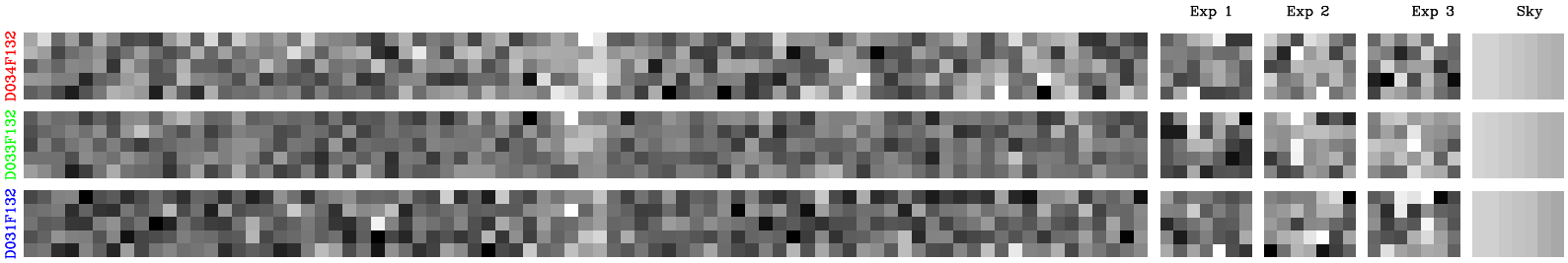
$FWHM_{obs} = 7.16Å$

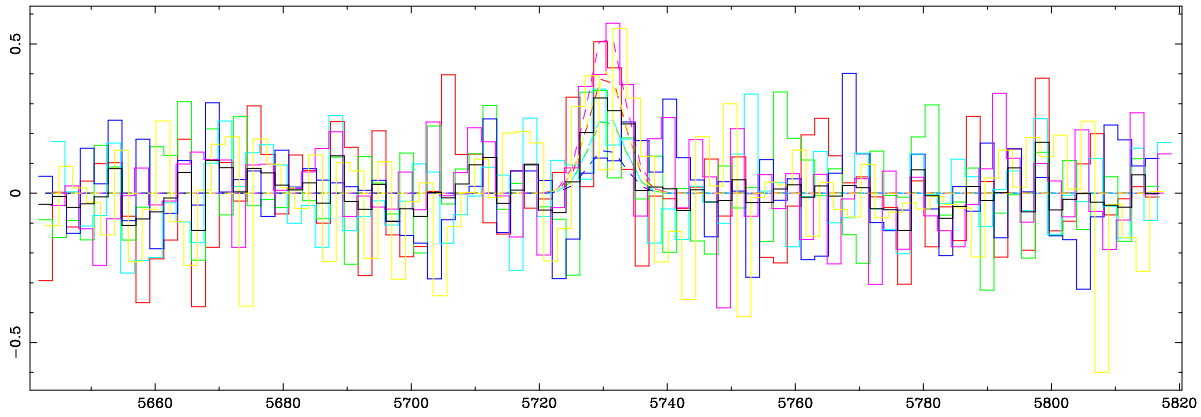
$\lambda_{obs} = 4851.48Å$

$EW_{obs} = 16.89Å$

$\alpha_{2000} = 150.1394°$

$\delta_{2000} = 2.2190°$





$S/N = 7.82$

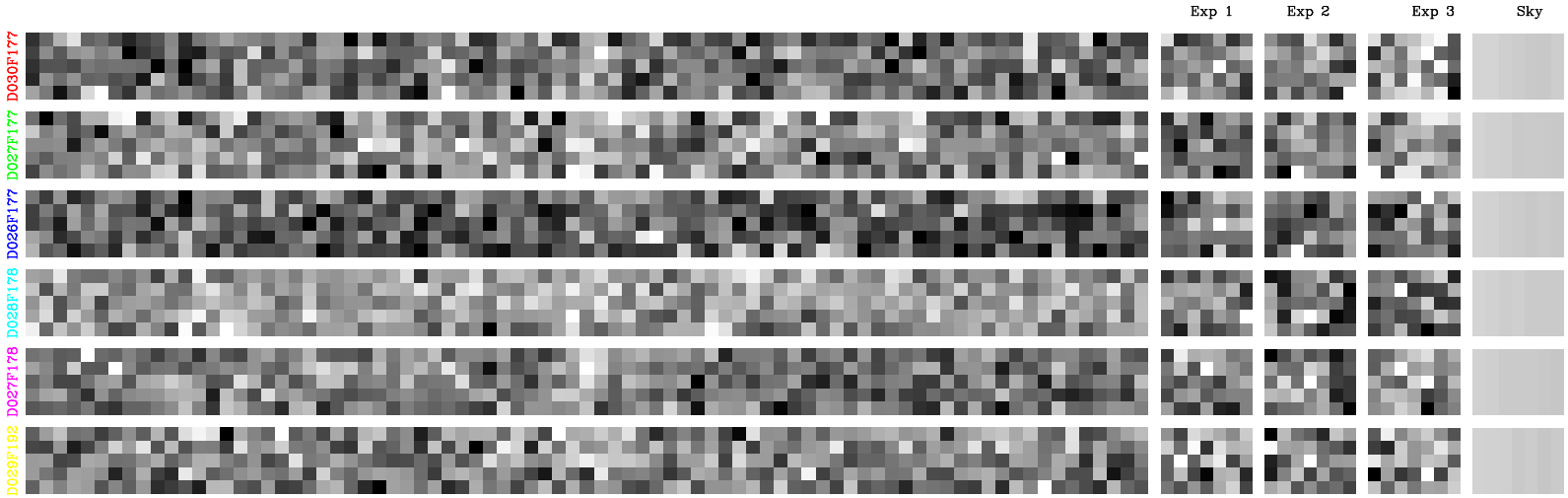
$FWHM_{obs} = 6.63Å$

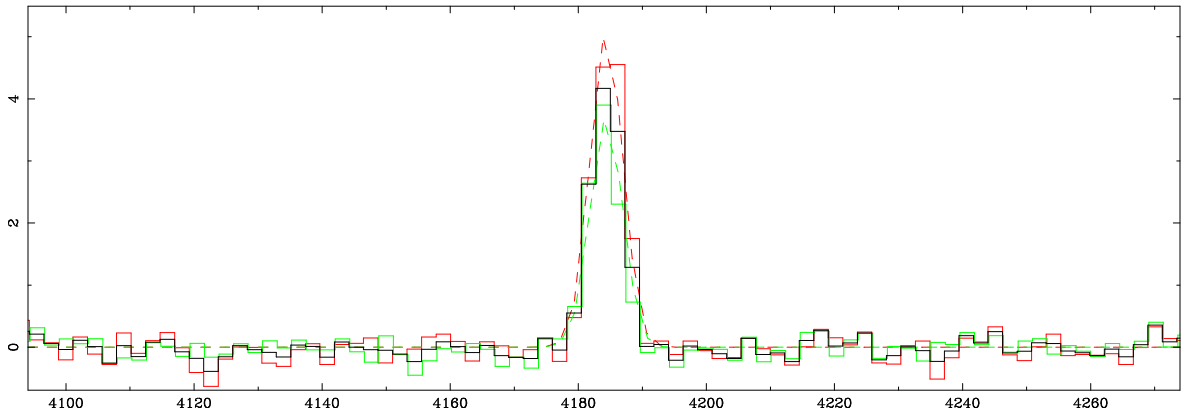
$\lambda_{obs} = 5730.51Å$

$EW_{obs} = 35.00Å$

$\alpha_{2000} = 150.1645°$

$\delta_{2000} = 2.2126°$





$S/N = 38.67$

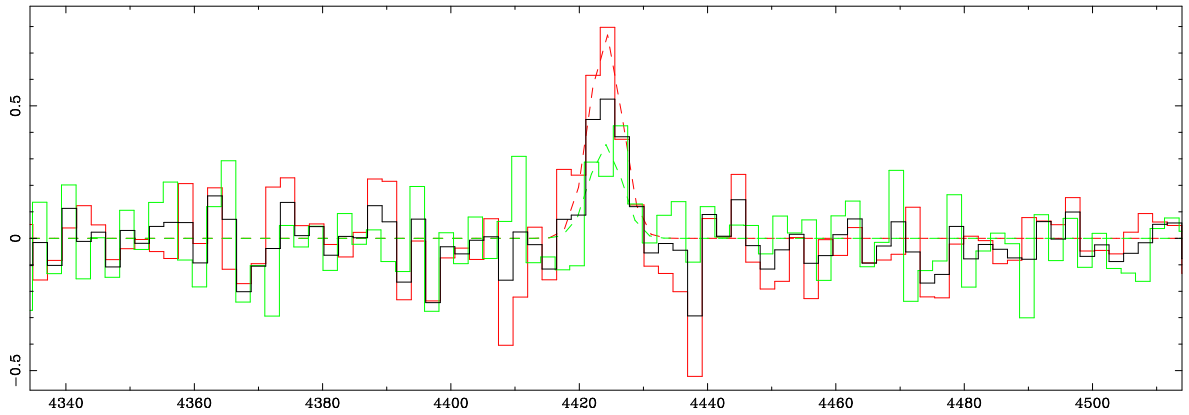
$FWHM_{obs} = 5.96Å$

$\lambda_{obs} = 4184.37Å$

$EW_{obs} = 50.66Å$

$\alpha_{2000} = 150.1369°$

$\delta_{2000} = 2.2324°$



$S/N = 6.38$

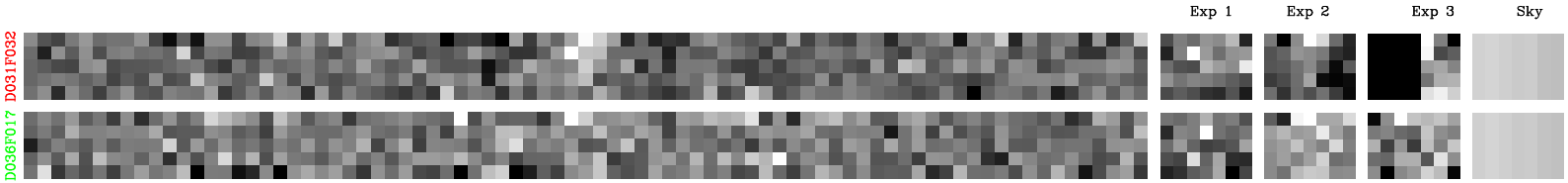
$FWHM_{obs} = 5.96Å$

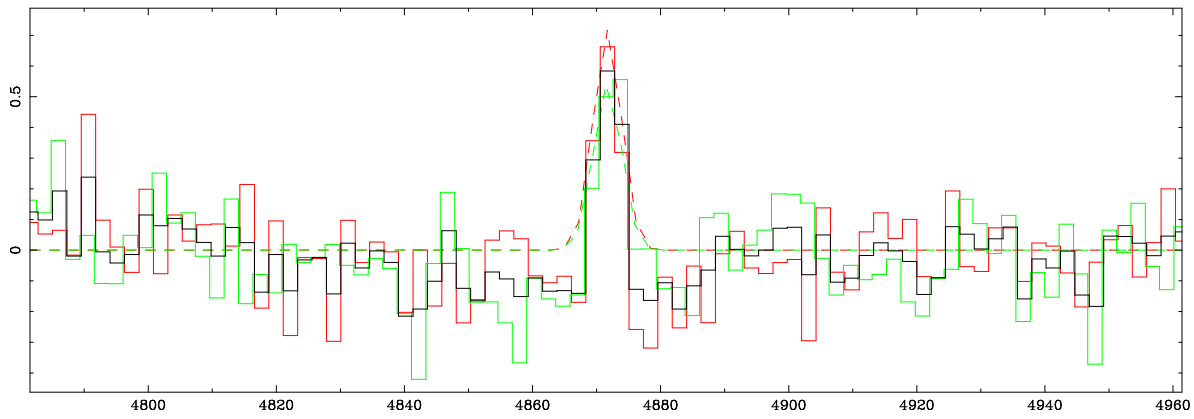
$\lambda_{obs} = 4424.10Å$

$EW_{obs} = 24.85Å$

$\alpha_{2000} = 150.1362°$

$\delta_{2000} = 2.2333°$





$S/N = 7.55$

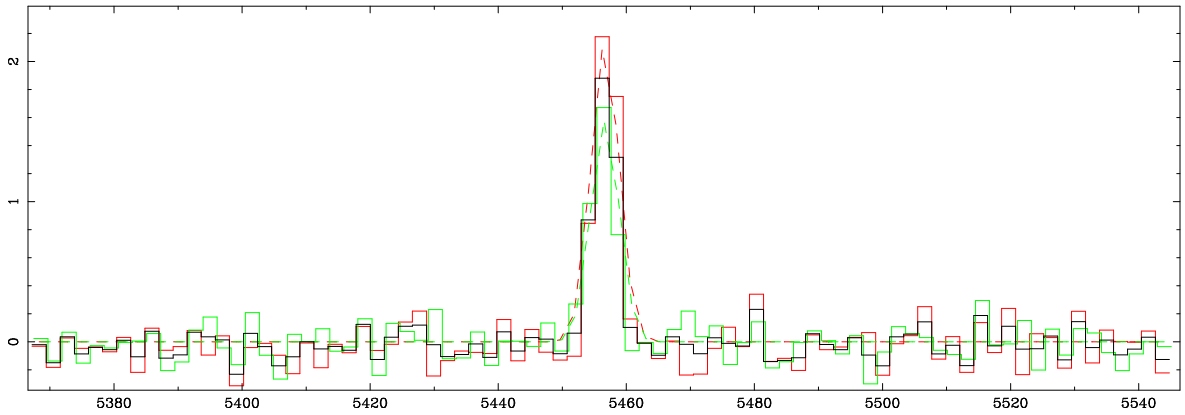
$FWHM_{obs} = 5.20Å$

$\lambda_{obs} = 4871.69Å$

$EW_{obs} = 4.26Å$

$\alpha_{2000} = 150.1368°$

$\delta_{2000} = 2.2324°$



S/N = 18.30

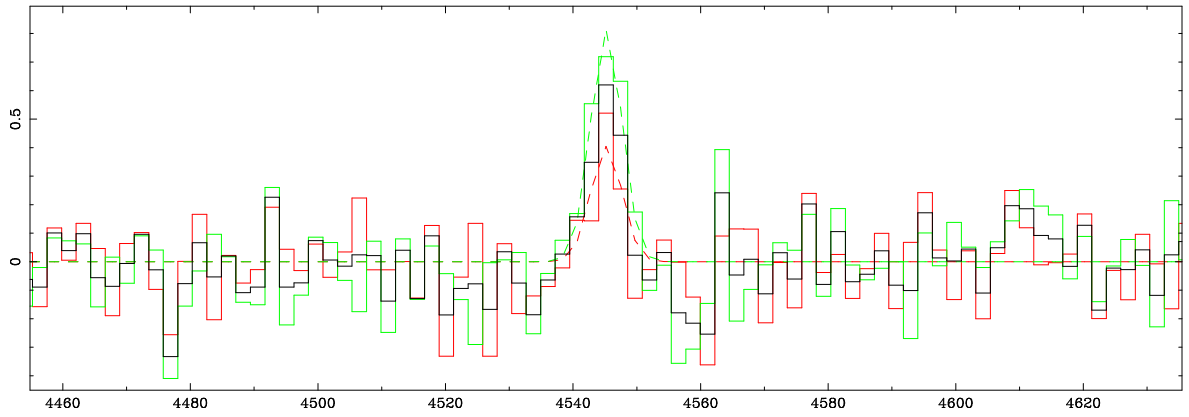
$FWHM_{obs}$ = 5.20Å

λ_{obs} = 5456.65Å

EW_{obs} = 14.65Å

α_{2000} = 150.1370°

δ_{2000} = 2.2323°



$S/N = 8.27$

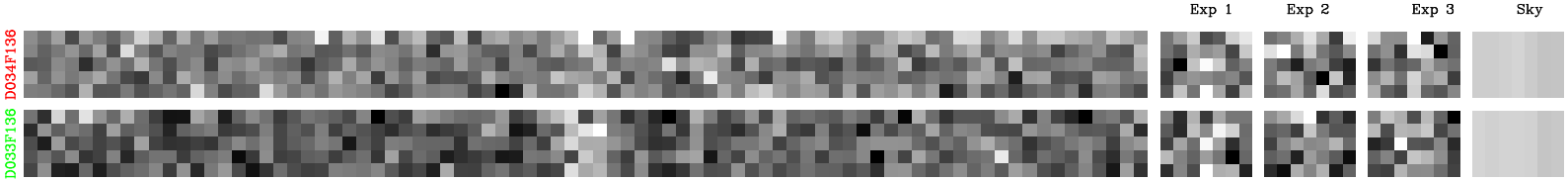
$FWHM_{obs} = 5.74Å$

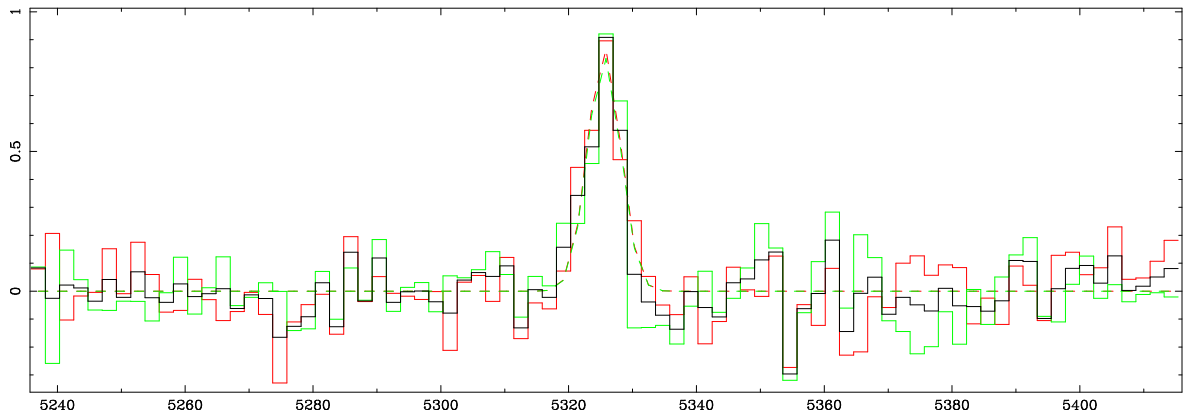
$\lambda_{obs} = 4545.23Å$

$EW_{obs} = 21.29Å$

$\alpha_{2000} = 150.1307°$

$\delta_{2000} = 2.2187°$





S/N = 12.73

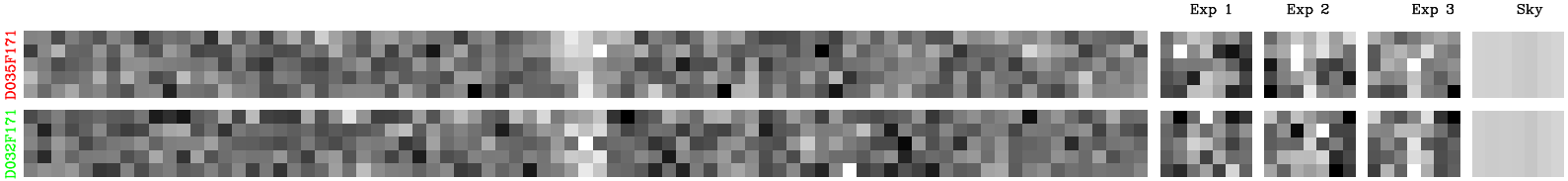
$FWHM_{obs}$ = 6.05Å

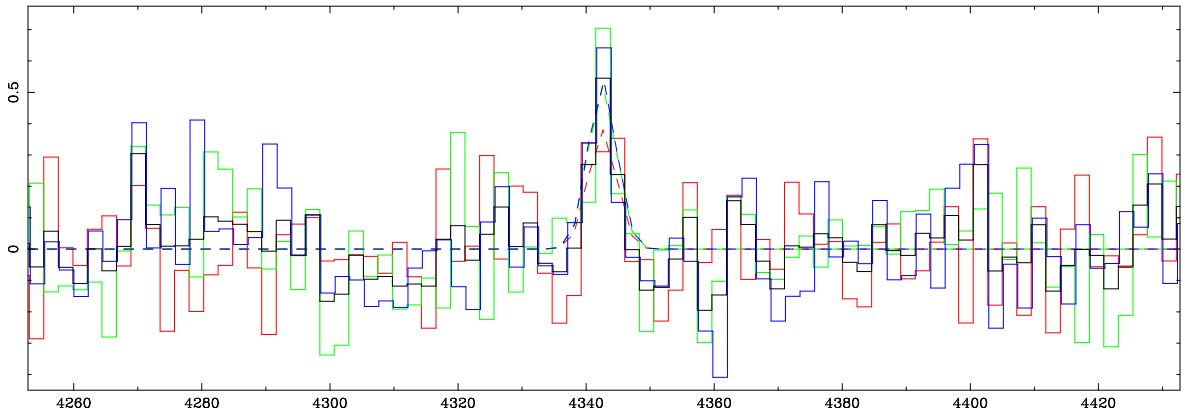
λ_{obs} = 5325.55Å

EW_{obs} = 91.13Å

α_{2000} = 150.1166°

δ_{2000} = 2.2161°





$S/N = 7.09$

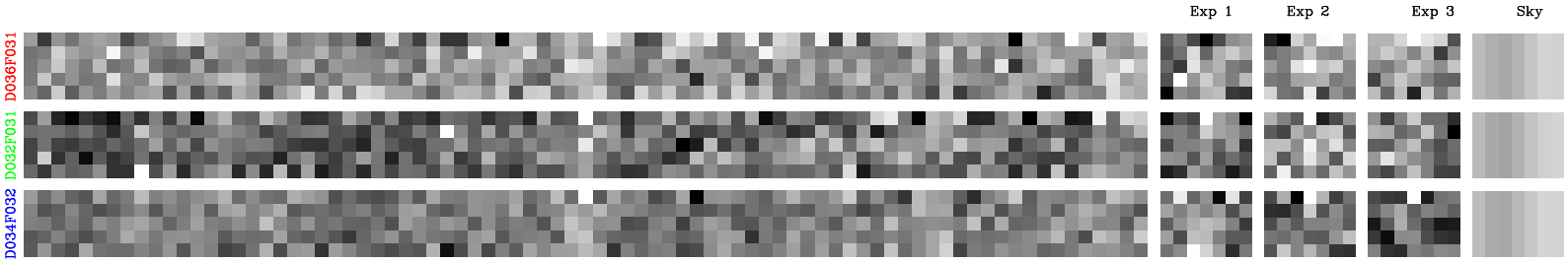
$FWHM_{obs} = 5.20$Å

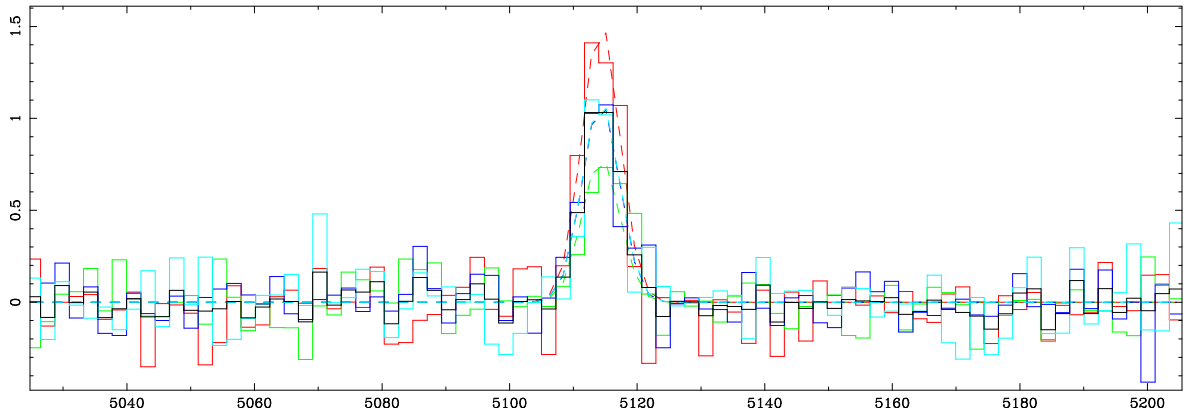
$\lambda_{obs} = 4342.55$Å

$EW_{obs} = 5.19$Å

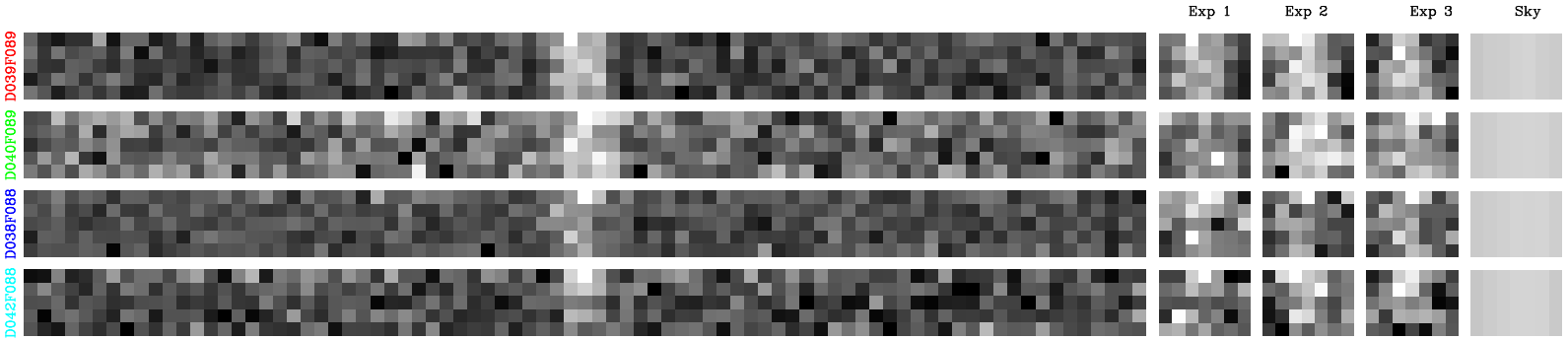
$\alpha_{2000} = 150.1371°$

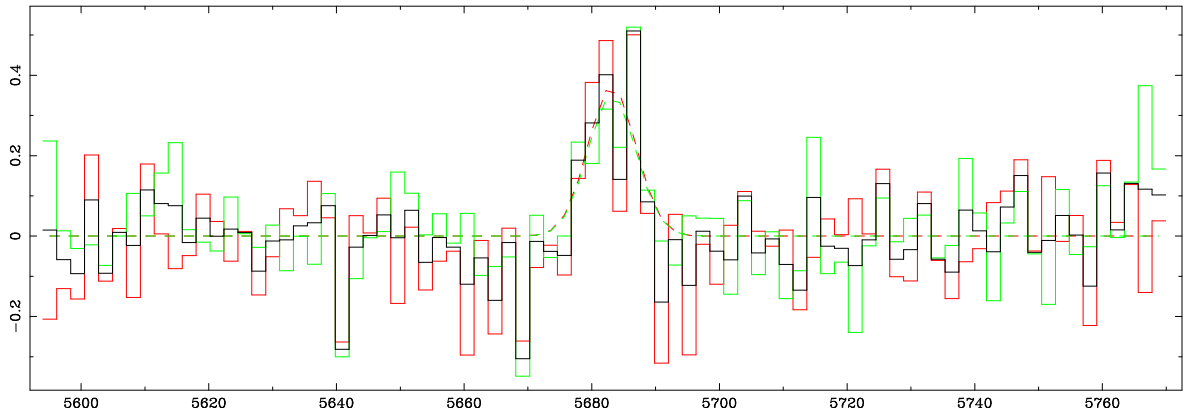
$\delta_{2000} = 2.2323°$





S/N = 23.00
$FWHM_{obs}$ = 6.95Å
λ_{obs} = 5114.30Å
EW_{obs} = 67.60Å
α_{2000} = 150.1094°
δ_{2000} = 2.2242°





S/N = 7.10

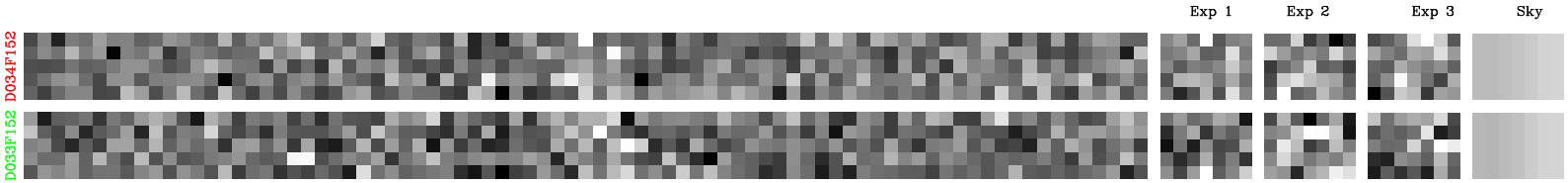
$FWHM_{obs}$ = 8.82Å

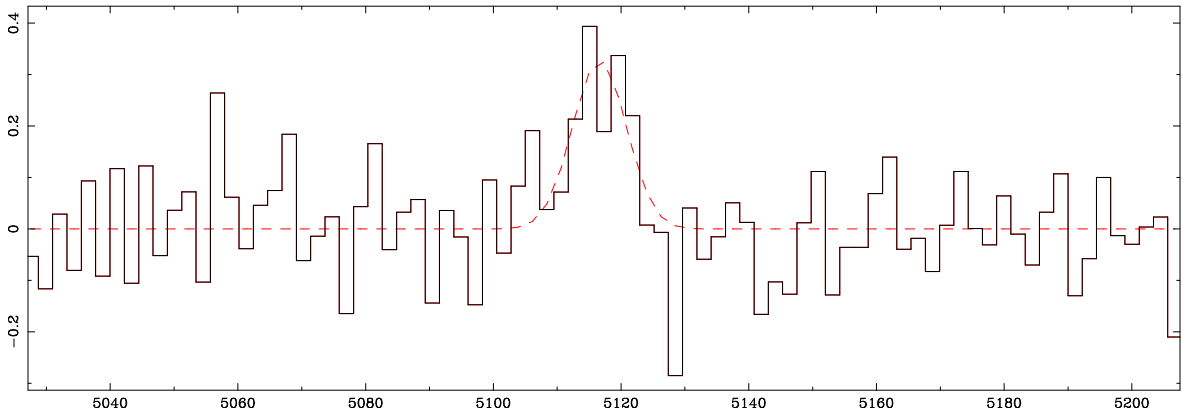
λ_{obs} = 5683.15Å

EW_{obs} > 89.49Å

α_{2000} = 150.1275°

δ_{2000} = 2.2172°





$S/N = 5.12$

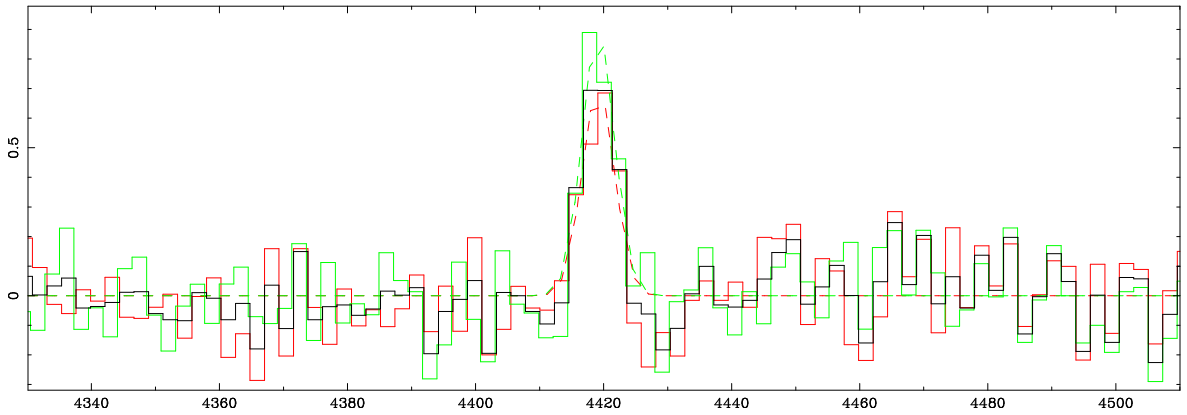
$FWHM_{obs} = 9.92Å$

$\lambda_{obs} = 5116.62Å$

$EW_{obs} > 70.44Å$

$\alpha_{2000} = 150.1121°$

$\delta_{2000} = 2.2171°$



S/N = 8.98

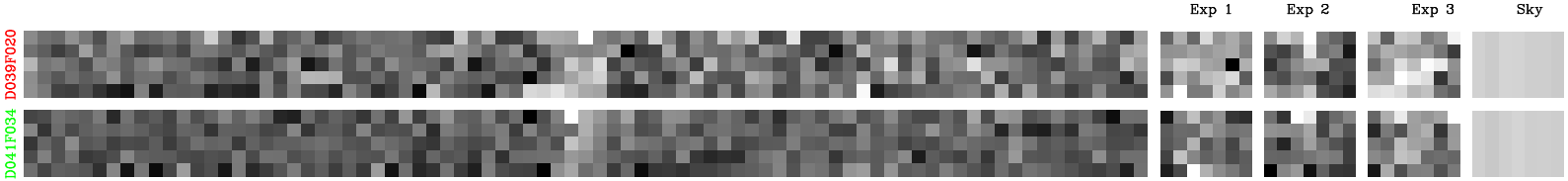
$FWHM_{obs}$ = 5.95Å

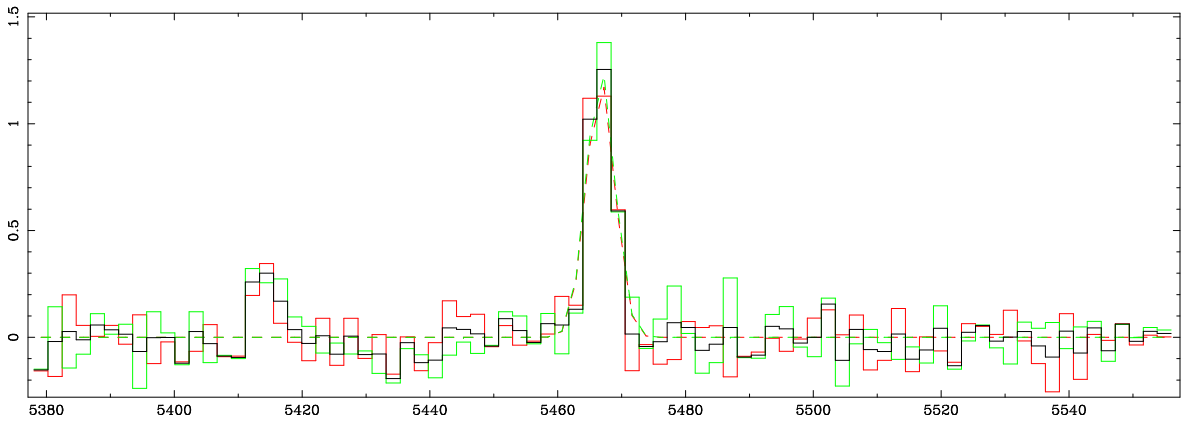
λ_{obs} = 4419.17Å

EW_{obs} = 36.17Å

α_{2000} = 150.1015°

δ_{2000} = 2.2332°





$S/N = 14.12$

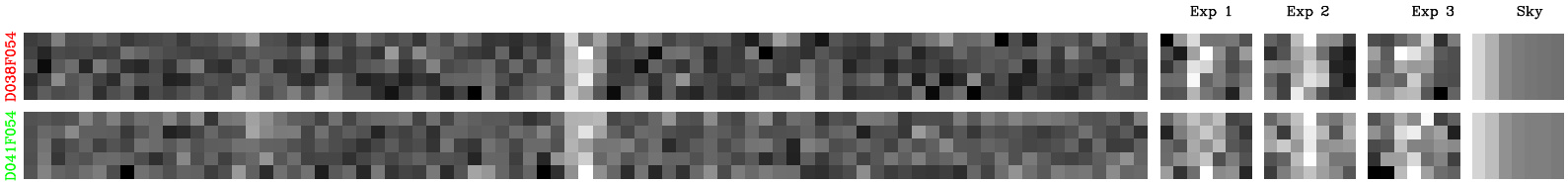
$FWHM_{obs} = 5.20Å$

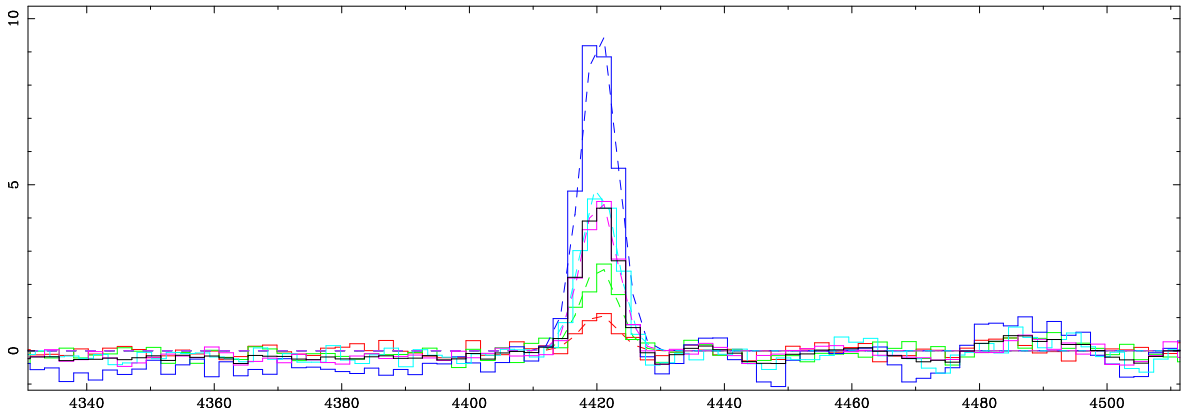
$\lambda_{obs} = 5466.72Å$

$EW_{obs} = 152.08Å$

$\alpha_{2000} = 150.0896°$

$\delta_{2000} = 2.2310°$





$S/N = 52.51$

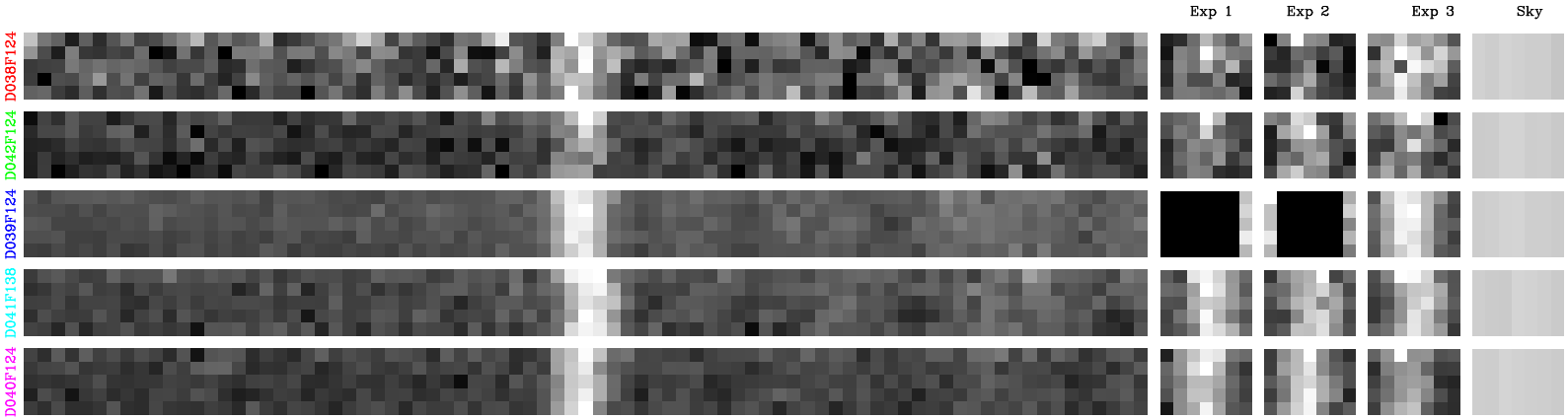
$FWHM_{obs} = 6.72Å$

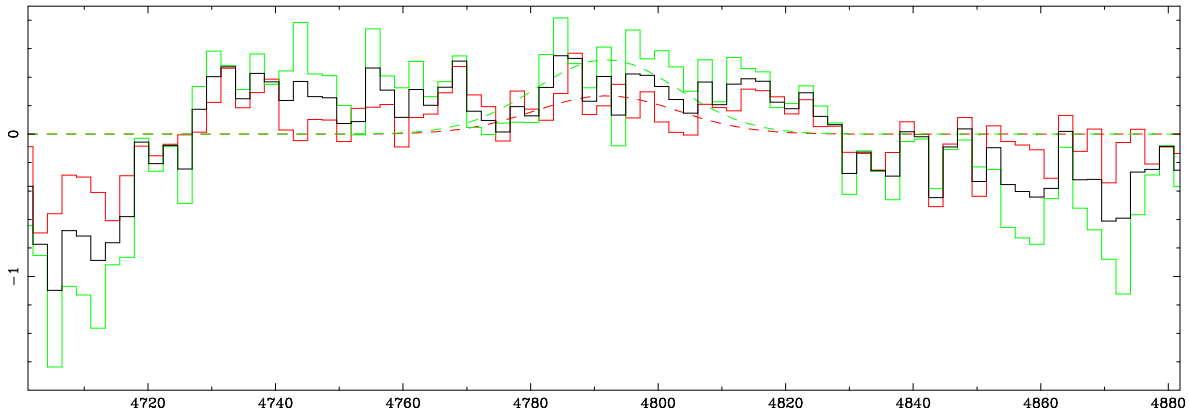
$\lambda_{obs} = 4420.33Å$

$EW_{obs} = 16.40Å$

$\alpha_{2000} = 150.0957°$

$\delta_{2000} = 2.2206°$





S/N = 6.15

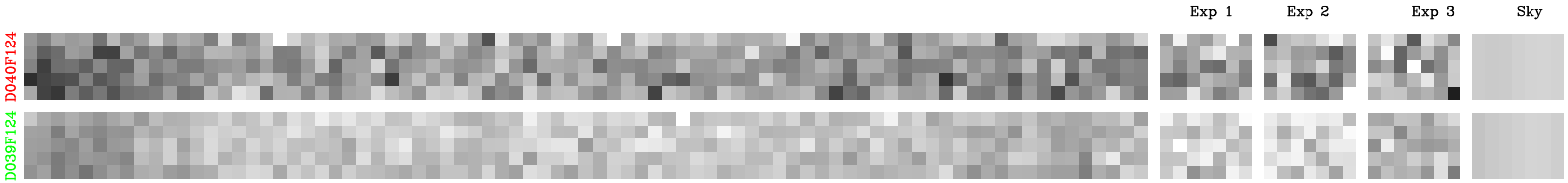
$FWHM_{obs}$ = 26.44Å

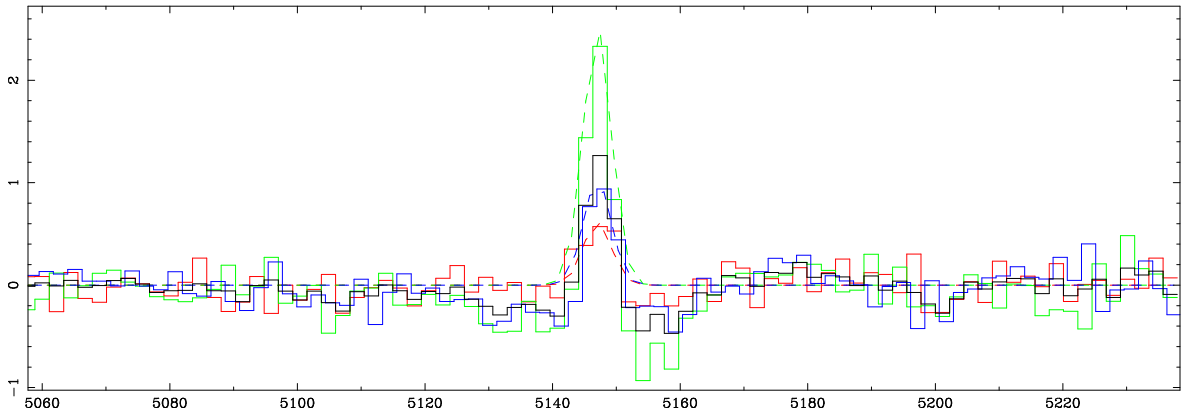
λ_{obs} = 4791.88Å

EW_{obs} = 3.24Å

α_{2000} = 150.0958°

δ_{2000} = 2.2207°





S/N = 12.23

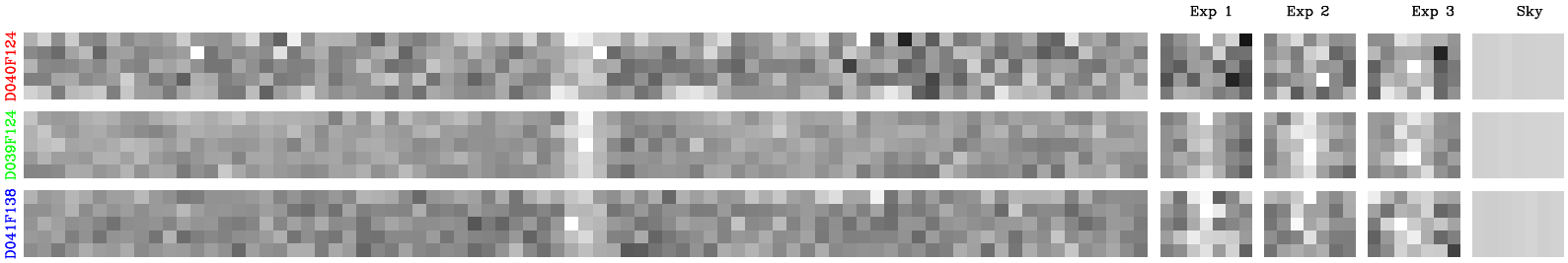
$FWHM_{obs}$ = 5.20Å

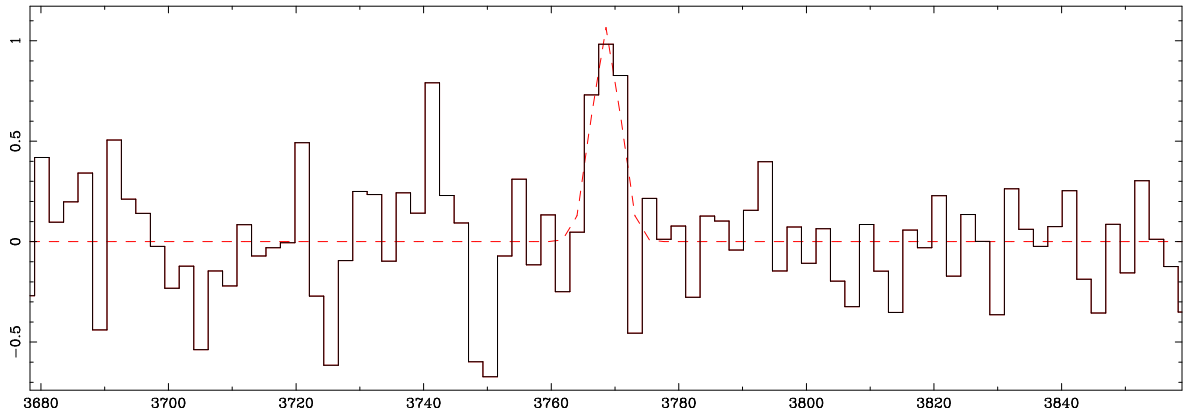
λ_{obs} = 5147.02Å

EW_{obs} = 1.82Å

α_{2000} = 150.0958°

δ_{2000} = 2.2204°





$S/N = 5.10$

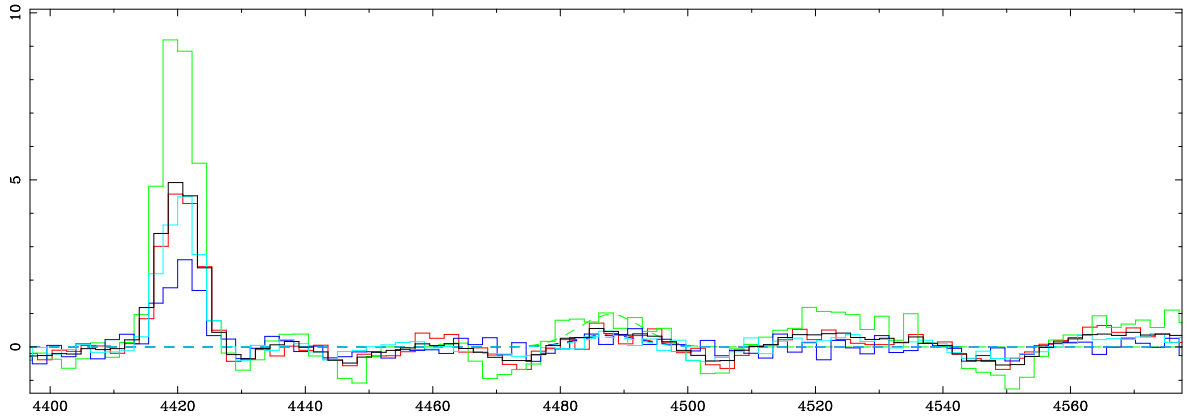
$FWHM_{obs} = 5.20$Å

$\lambda_{obs} = 3768.59$Å

$EW_{obs} > 42.95$Å

$\alpha_{2000} = 150.0986°$

$\delta_{2000} = 2.2200°$



S/N = 10.08

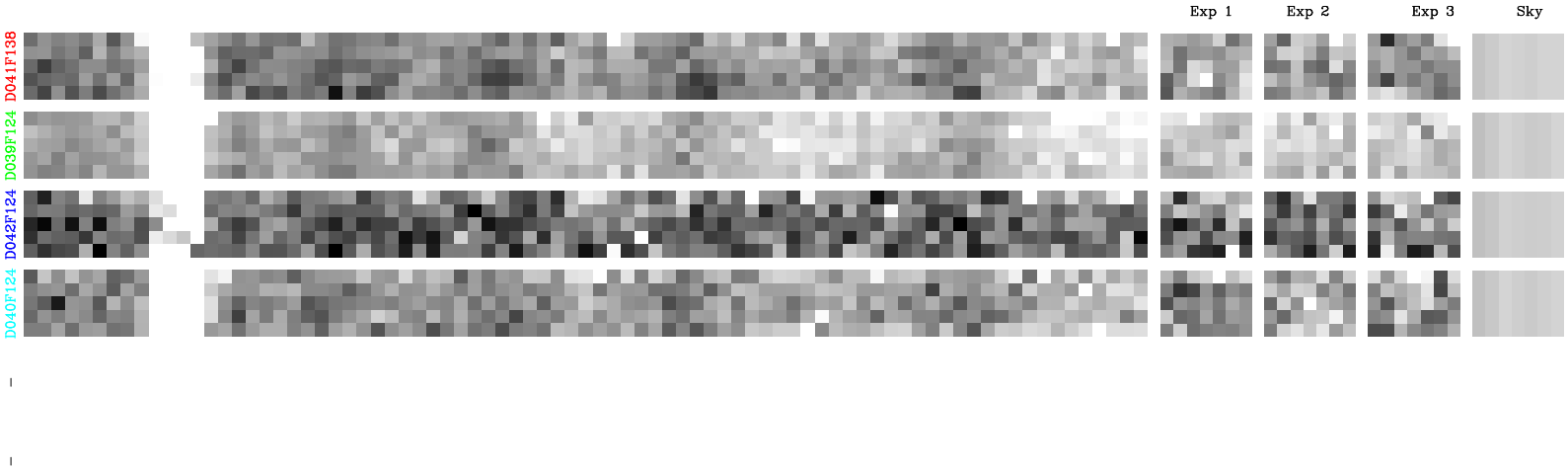
$FWHM_{obs}$ = 11.67Å

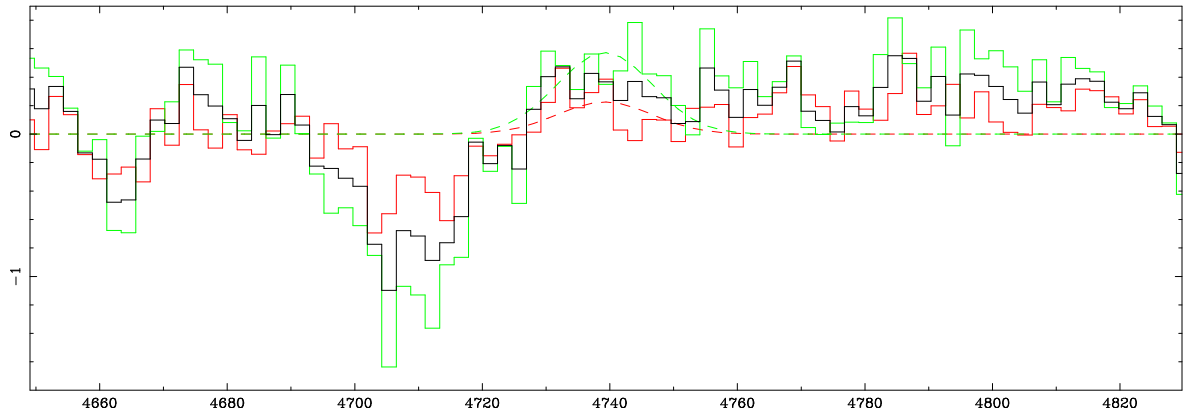
λ_{obs} = 4487.86Å

EW_{obs} = 2.49Å

α_{2000} = 150.0957°

δ_{2000} = 2.2205°





S/N = 6.51

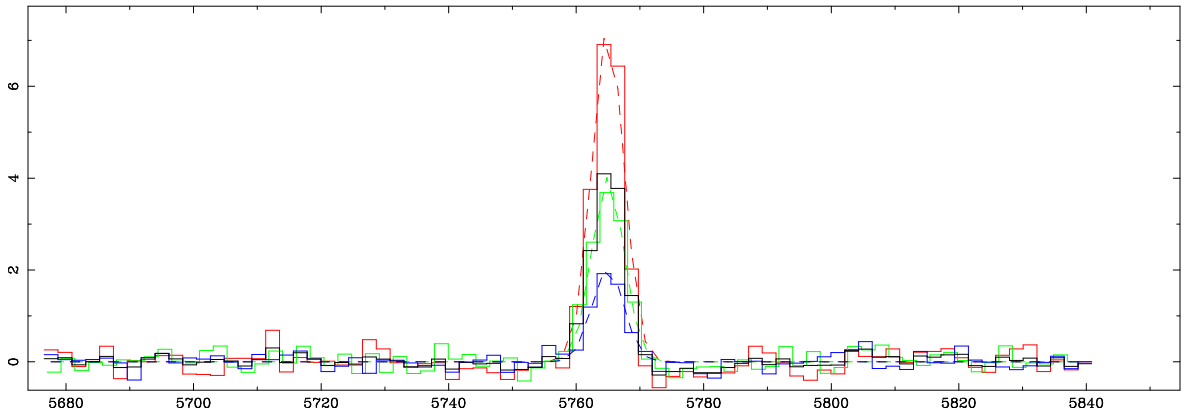
$FWHM_{obs}$ = 17.64Å

λ_{obs} = 4739.19Å

EW_{obs} = 2.28Å

α_{2000} = 150.0958°

δ_{2000} = 2.2207°



$S/N = 47.88$

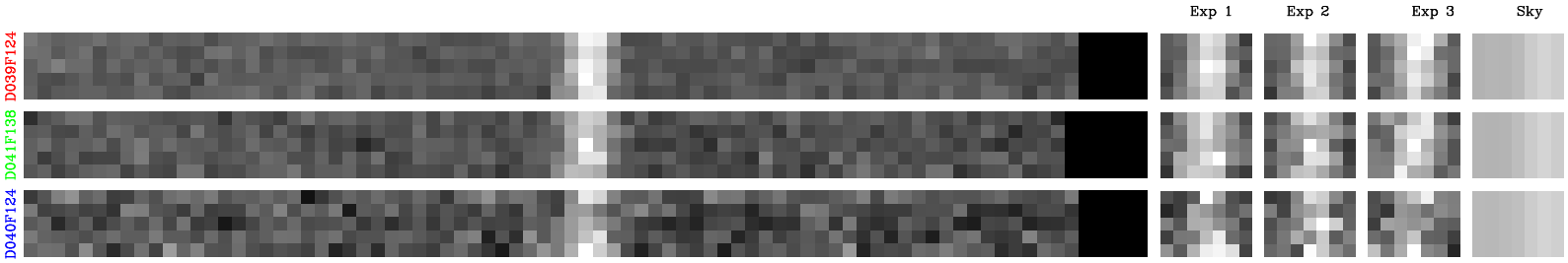
$FWHM_{obs} = 5.85Å$

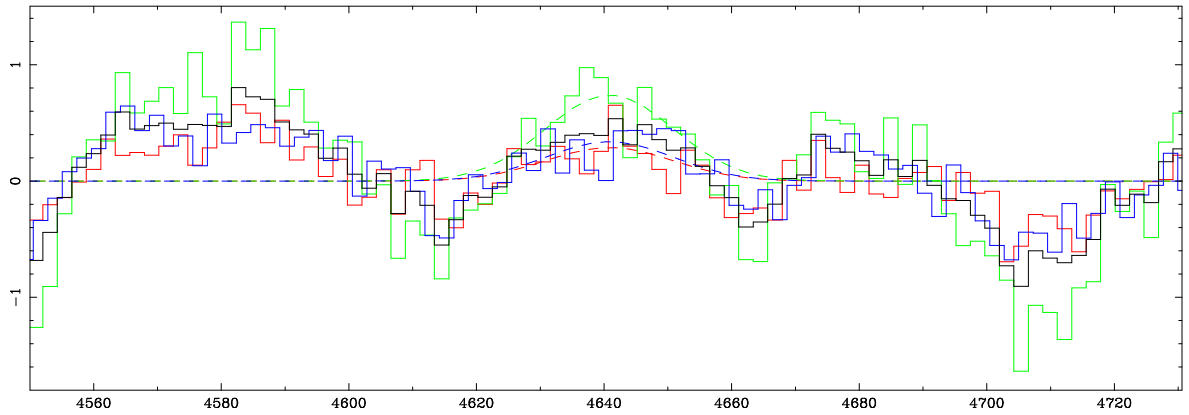
$\lambda_{obs} = 5764.97Å$

$EW_{obs} = 10.76Å$

$\alpha_{2000} = 150.0958°$

$\delta_{2000} = 2.2204°$





S/N = 9.85

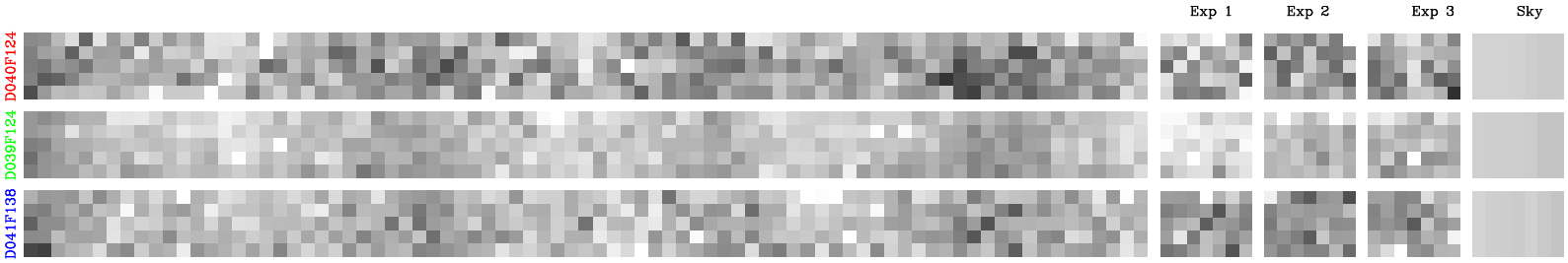
$FWHM_{obs}$ = 23.66Å

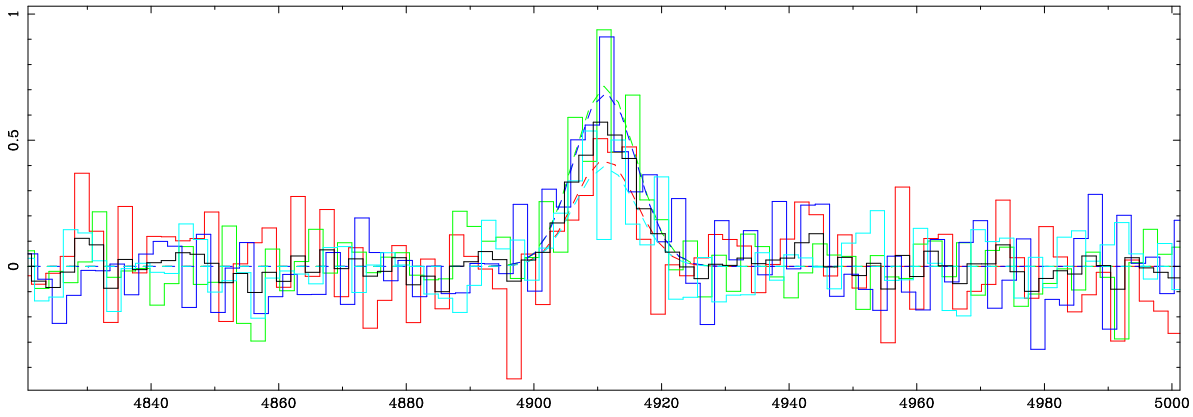
λ_{obs} = 4640.86Å

EW_{obs} = 4.09Å

α_{2000} = 150.0958°

δ_{2000} = 2.2205°





$S/N = 14.18$

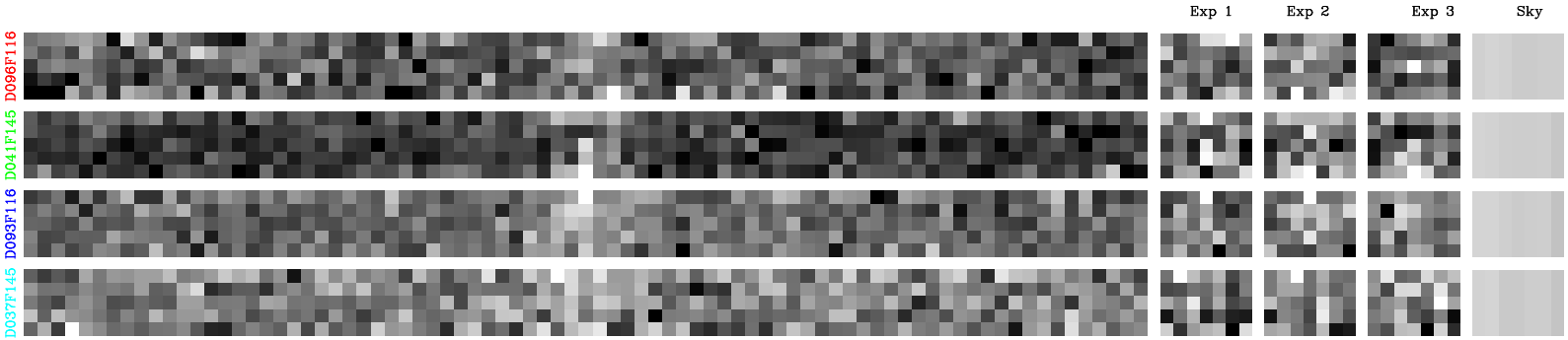
$FWHM_{obs} = 11.44$Å

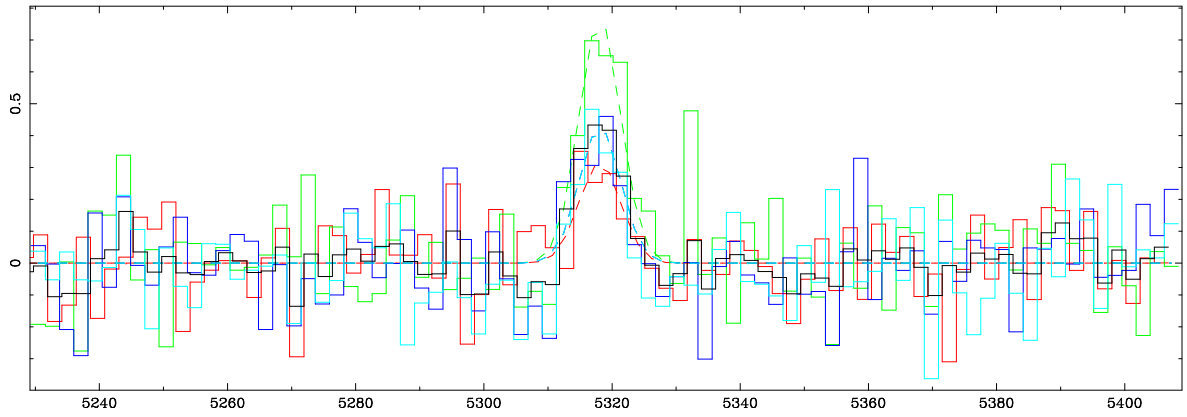
$\lambda_{obs} = 4911.13$Å

$EW_{obs} > 219.68$Å

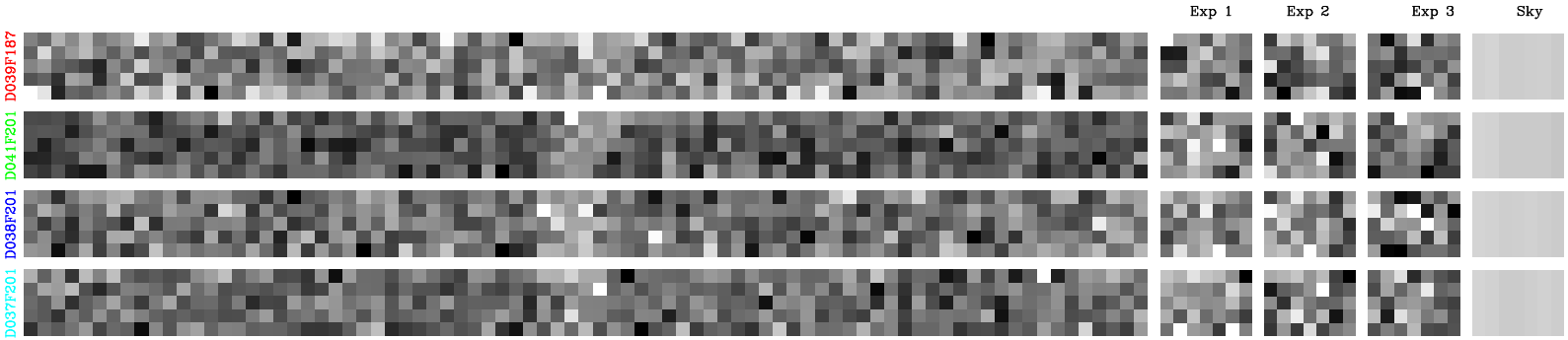
$\alpha_{2000} = 150.0808°$

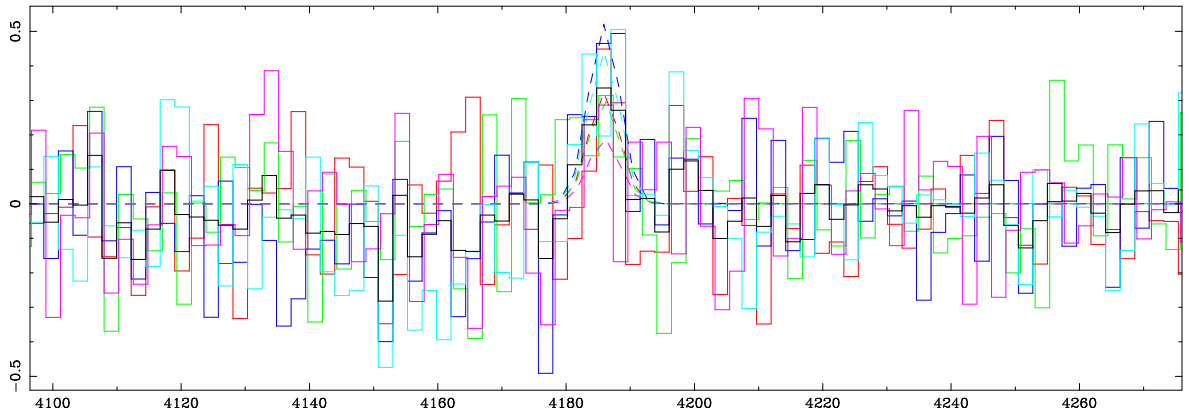
$\delta_{2000} = 2.2202°$





S/N = 11.81
$FWHM_{obs}$ = 7.66Å
λ_{obs} = 5318.09Å
EW_{obs} = 126.39Å
α_{2000} = 150.0851°
δ_{2000} = 2.2124°





S/N = 6.23

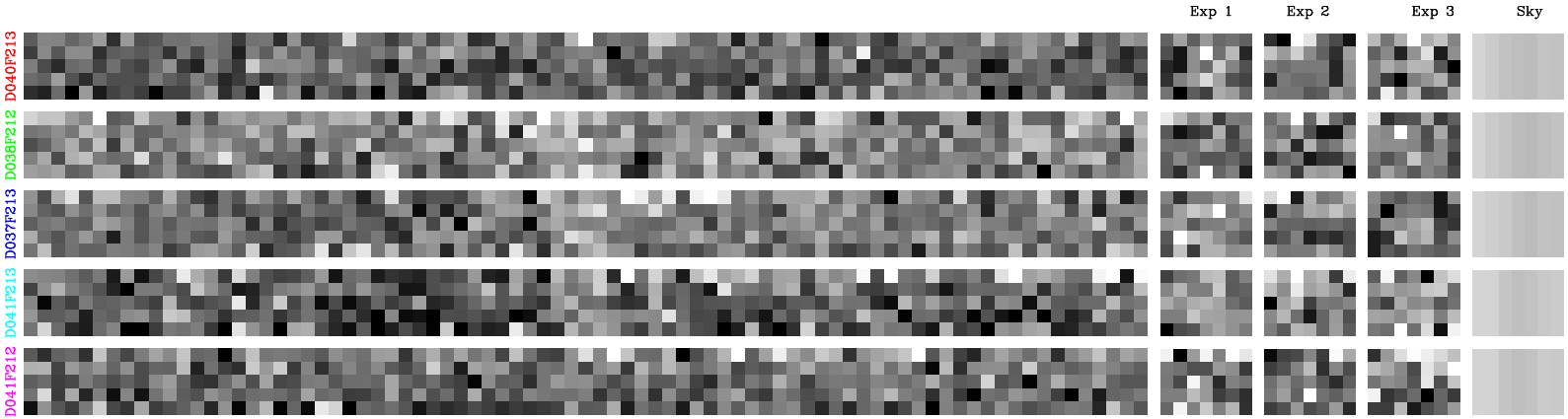
$FWHM_{obs}$ = 5.77Å

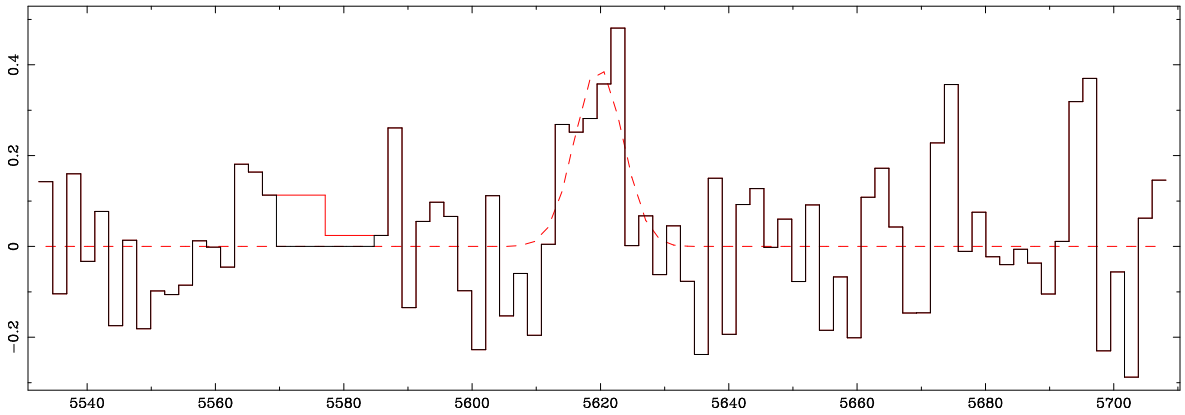
λ_{obs} = 4185.93Å

EW_{obs} = 28.42Å

α_{2000} = 150.0914°

δ_{2000} = 2.2104°





S/N = 5.15

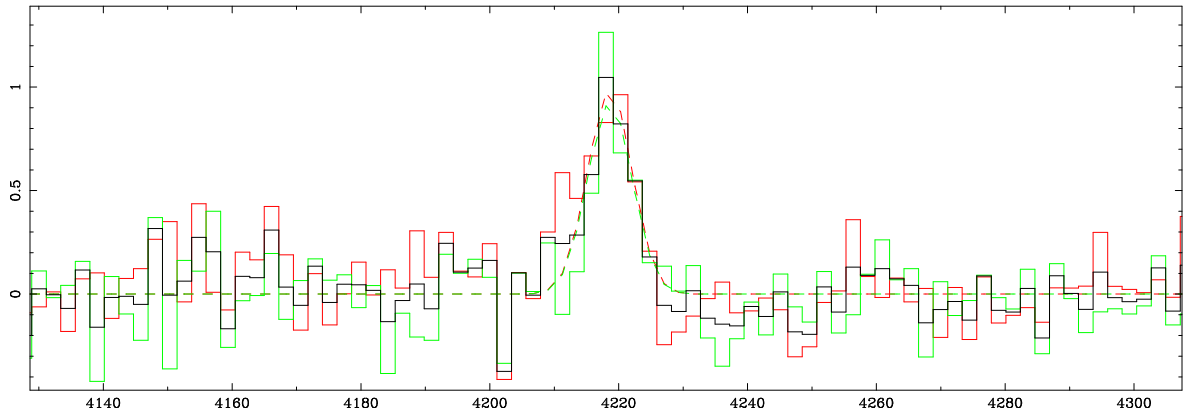
$FWHM_{obs}$ = 8.79Å

λ_{obs} = 5619.74Å

EW_{obs} > 61.06Å

α_{2000} = 150.0913°

δ_{2000} = 2.2105°



$S/N = 12.46$

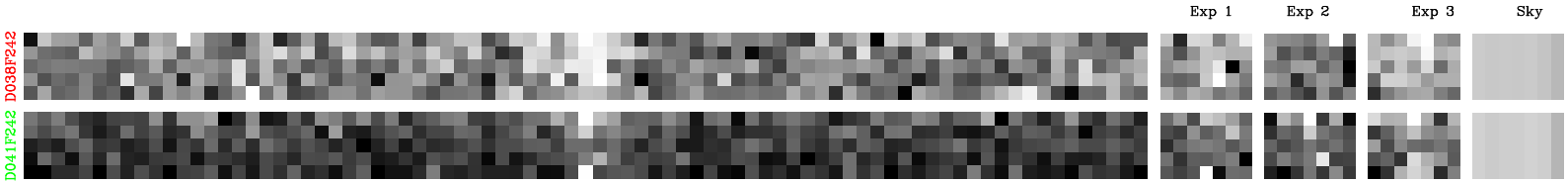
$FWHM_{obs} = 8.13Å$

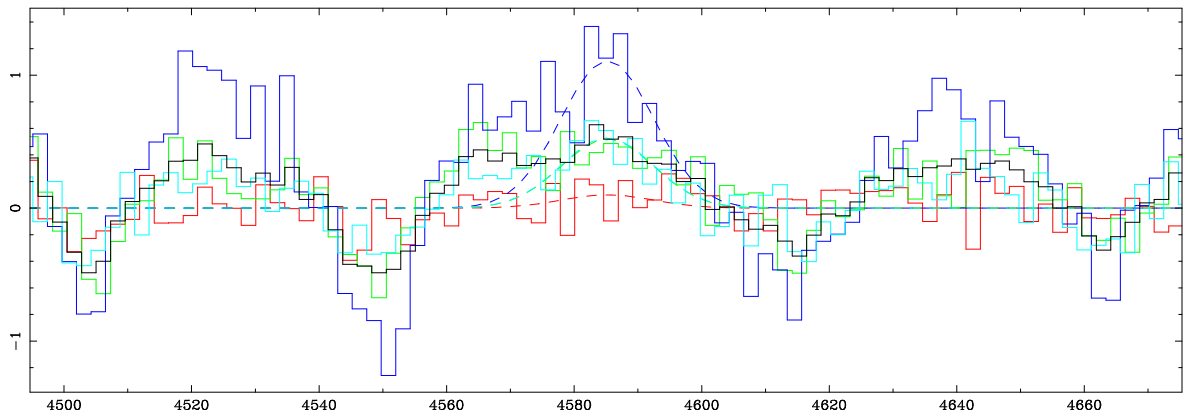
$\lambda_{obs} = 4218.64Å$

$EW_{obs} = 111.99Å$

$\alpha_{2000} = 150.0903°$

$\delta_{2000} = 2.2066°$





$S/N = 13.41$

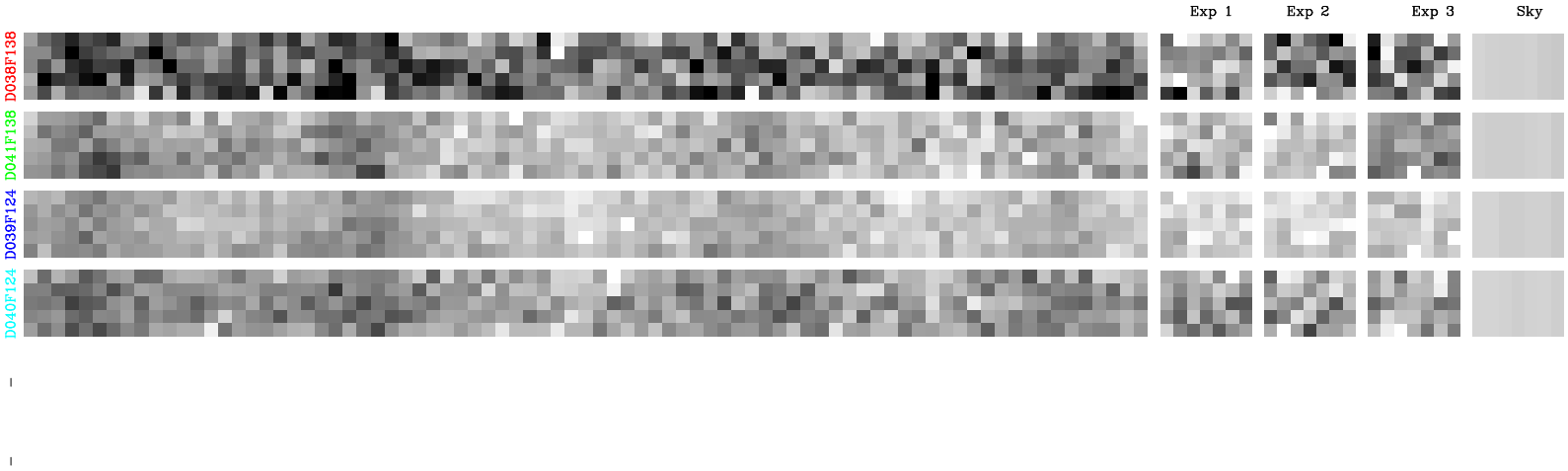
$FWHM_{obs} = 17.11Å$

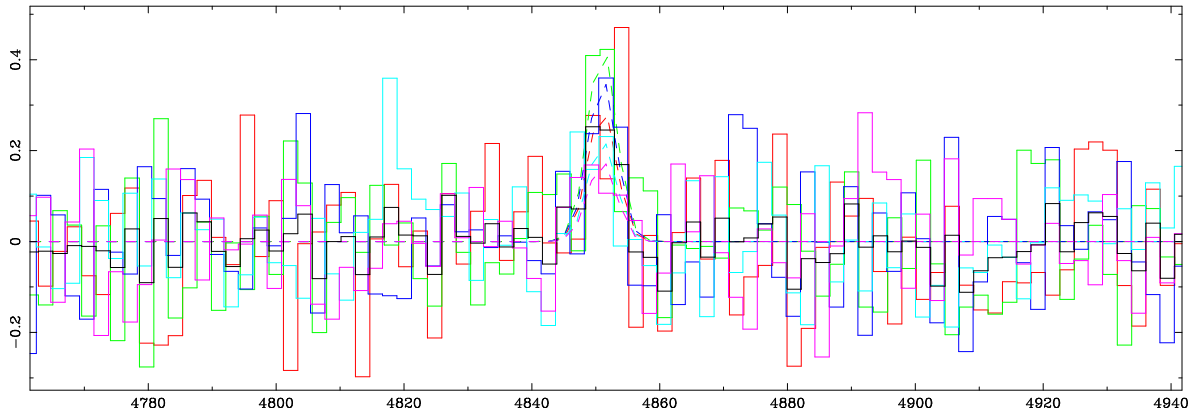
$\lambda_{obs} = 4585.21Å$

$EW_{obs} = 4.69Å$

$\alpha_{2000} = 150.0958°$

$\delta_{2000} = 2.2205°$





$S/N = 6.38$

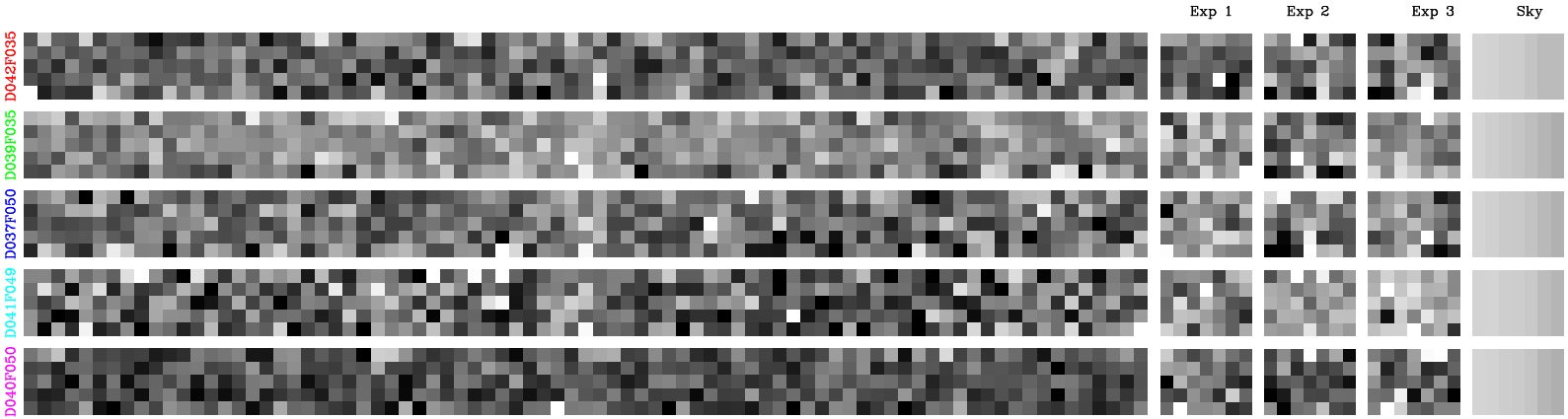
$FWHM_{obs} = 5.21$Å

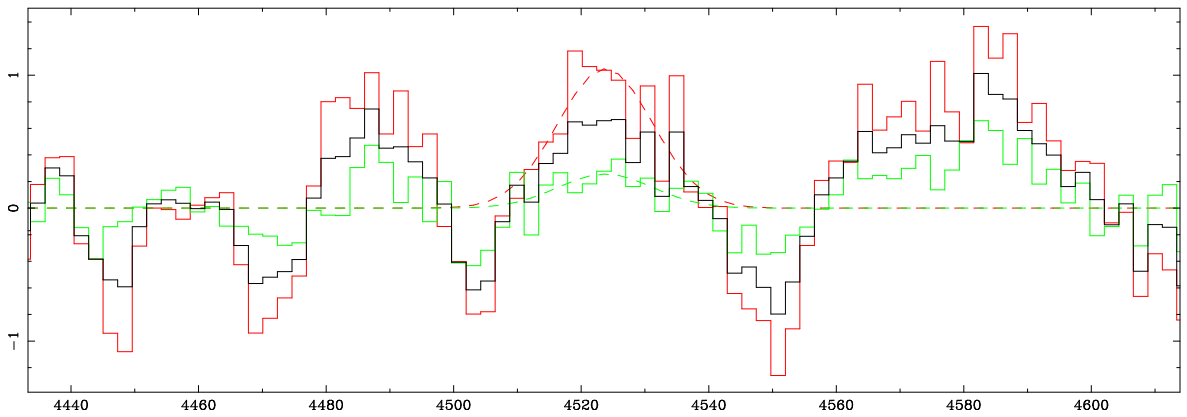
$\lambda_{obs} = 4851.01$Å

$EW_{obs} > 64.10$Å

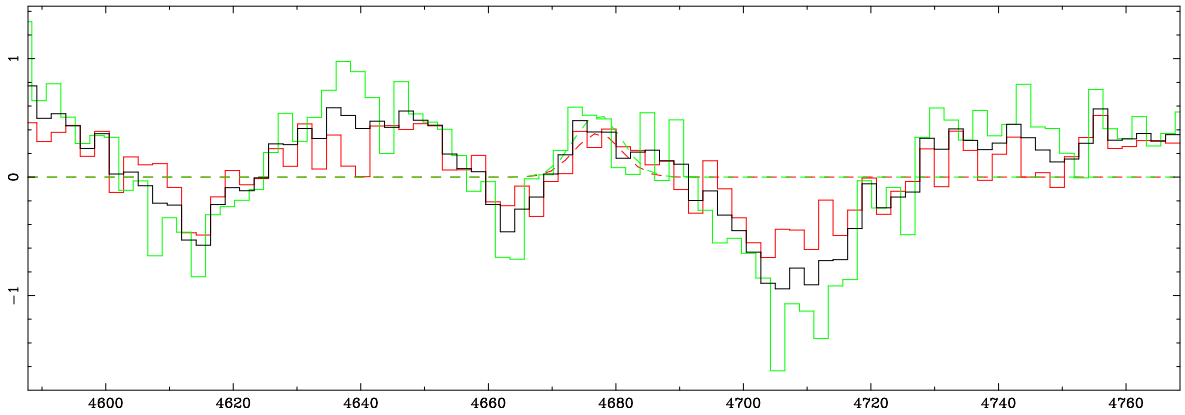
$\alpha_{2000} = 150.0997°$

$\delta_{2000} = 2.2314°$





S/N = 10.01
$FWHM_{obs}$ = 17.62Å
λ_{obs} = 4523.78Å
EW_{obs} = 3.70Å
α_{2000} = 150.0957°
δ_{2000} = 2.2207°



S/N = 5.58

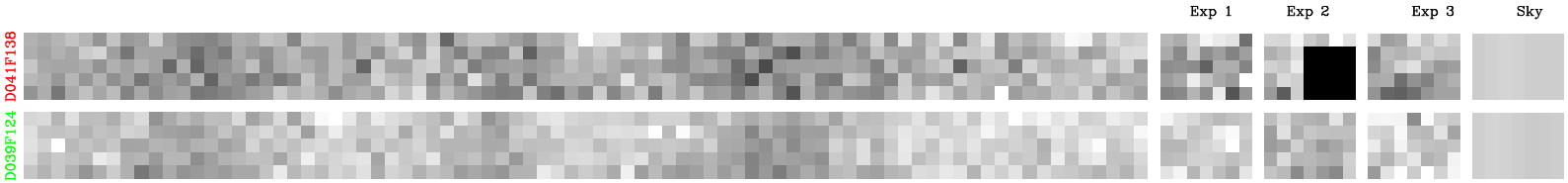
$FWHM_{obs}$ = 8.72Å

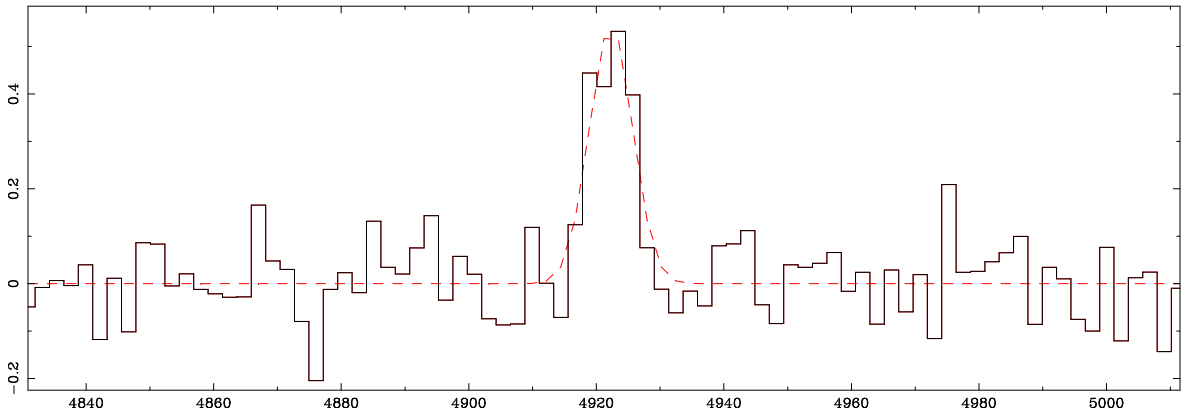
λ_{obs} = 4677.18Å

EW_{obs} = 1.10Å

α_{2000} = 150.0958°

δ_{2000} = 2.2203°





$S/N = 8.77$

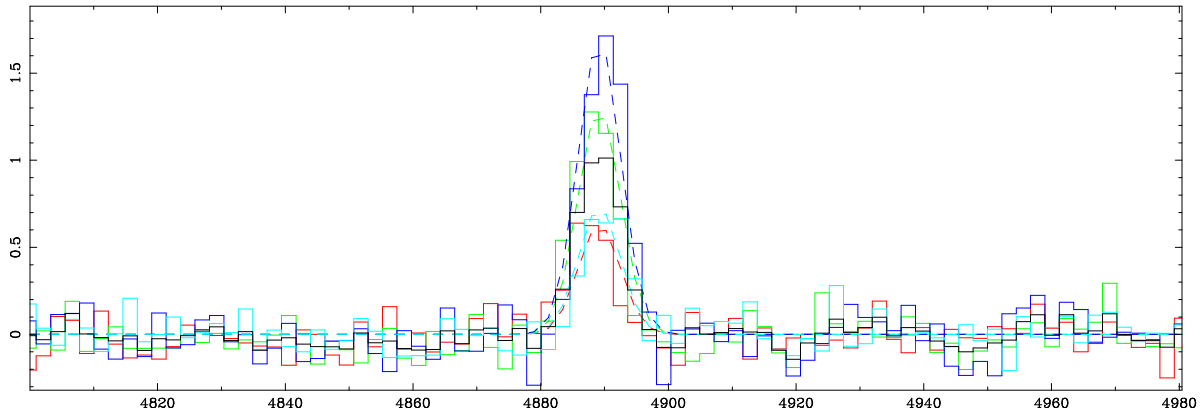
$FWHM_{obs} = 7.93$Å

$\lambda_{obs} = 4922.31$Å

$EW_{obs} > 103.62$Å

$\alpha_{2000} = 150.0960°$

$\delta_{2000} = 2.2539°$



$S/N = 32.14$

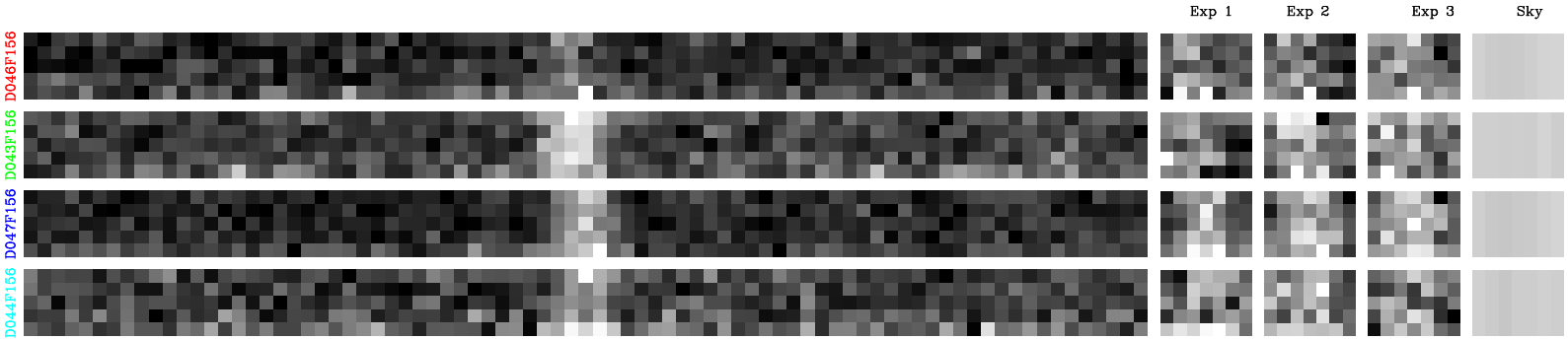
$FWHM_{obs} = 7.85Å$

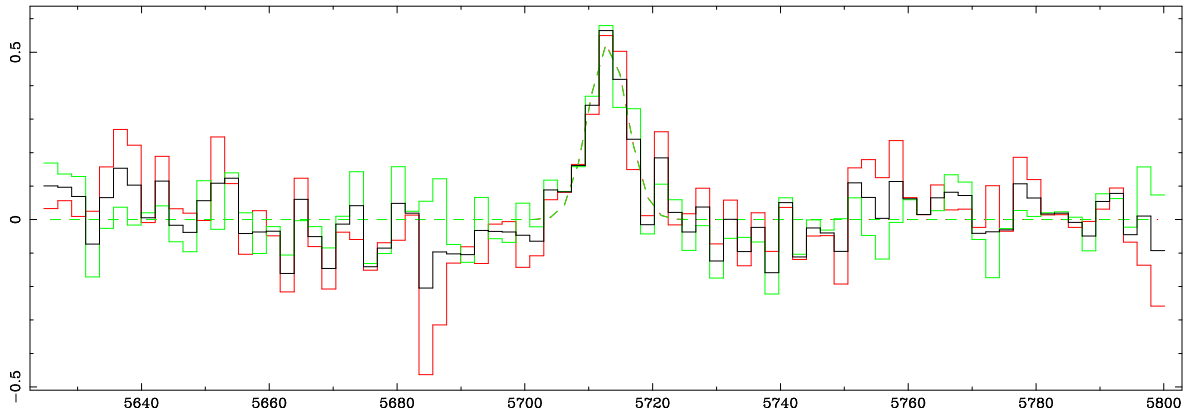
$\lambda_{obs} = 4889.17Å$

$EW_{obs} = 36.59Å$

$\alpha_{2000} = 150.0890°$

$\delta_{2000} = 2.2474°$





$S/N = 9.45$

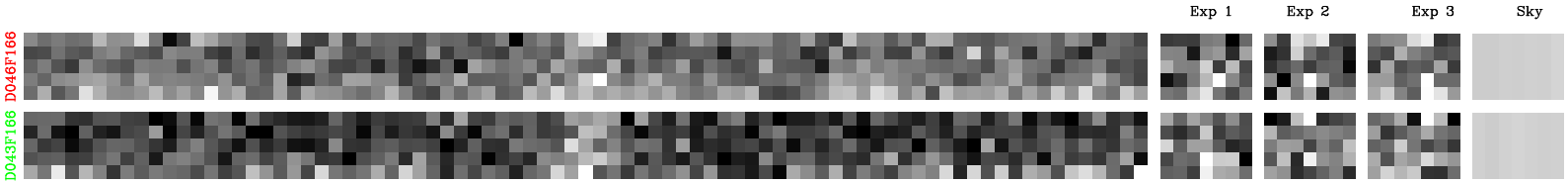
$FWHM_{obs} = 7.19$Å

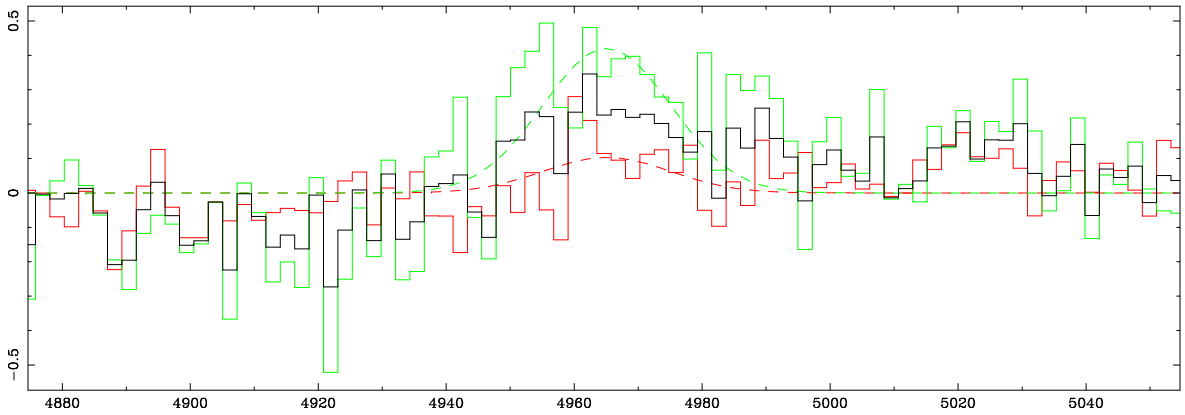
$\lambda_{obs} = 5712.99$Å

$EW_{obs} > 110.21$Å

$\alpha_{2000} = 150.0994°$

$\delta_{2000} = 2.2450°$





$S/N = 6.18$

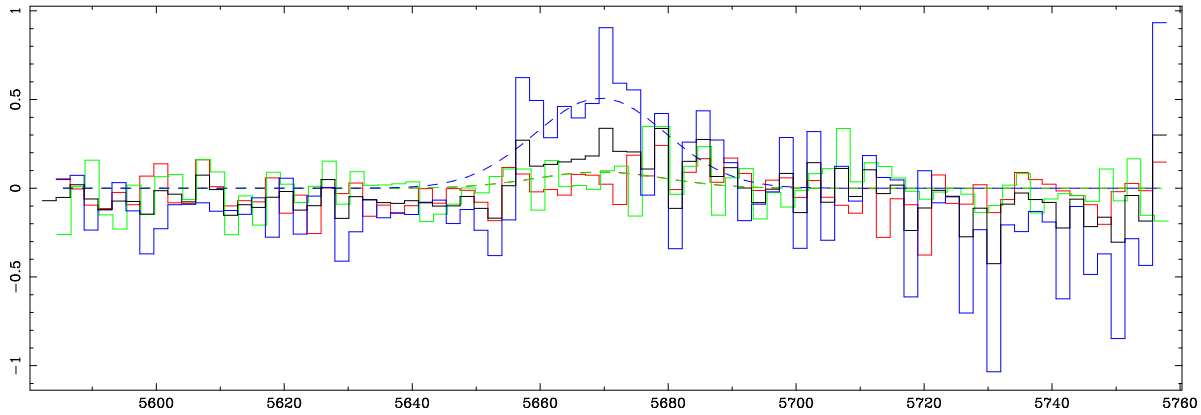
$FWHM_{obs} = 23.52Å$

$\lambda_{obs} = 4965.11Å$

$EW_{obs} = 15.77Å$

$\alpha_{2000} = 150.0910°$

$\delta_{2000} = 2.2438°$



S/N = 6.16

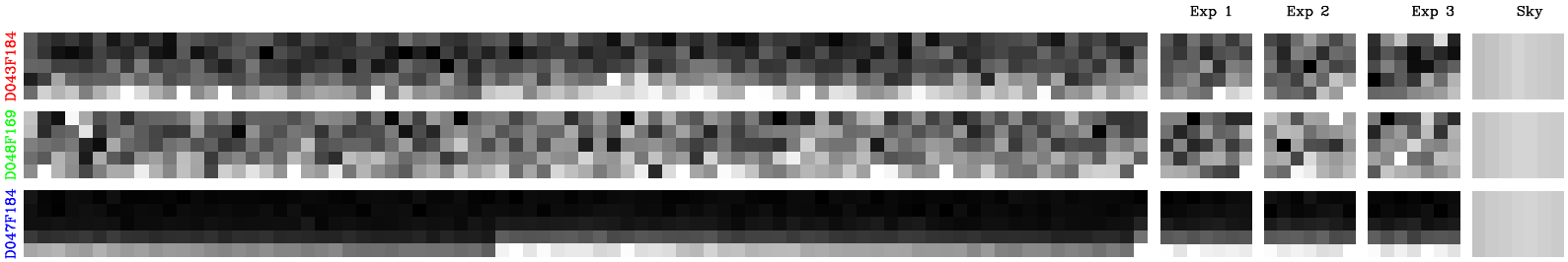
$FWHM_{obs}$ = 24.09Å

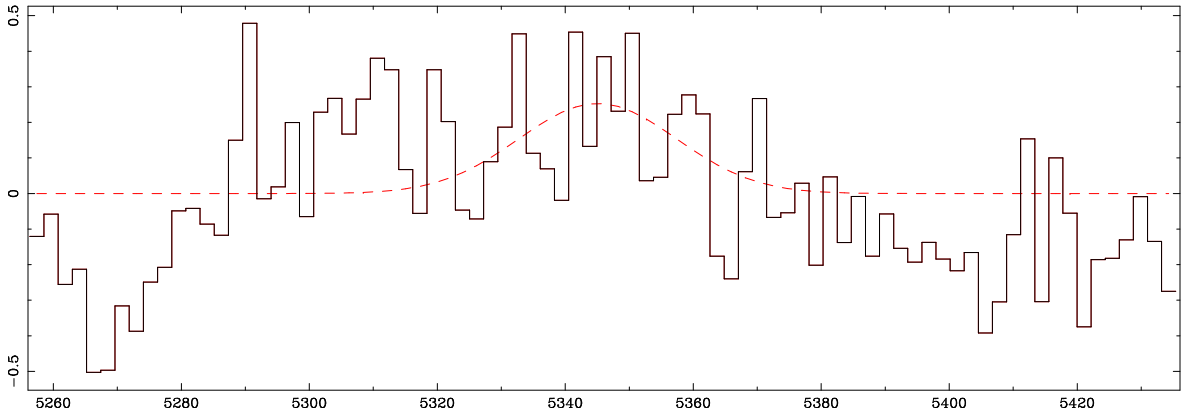
λ_{obs} = 5669.45Å

EW_{obs} = 14.58Å

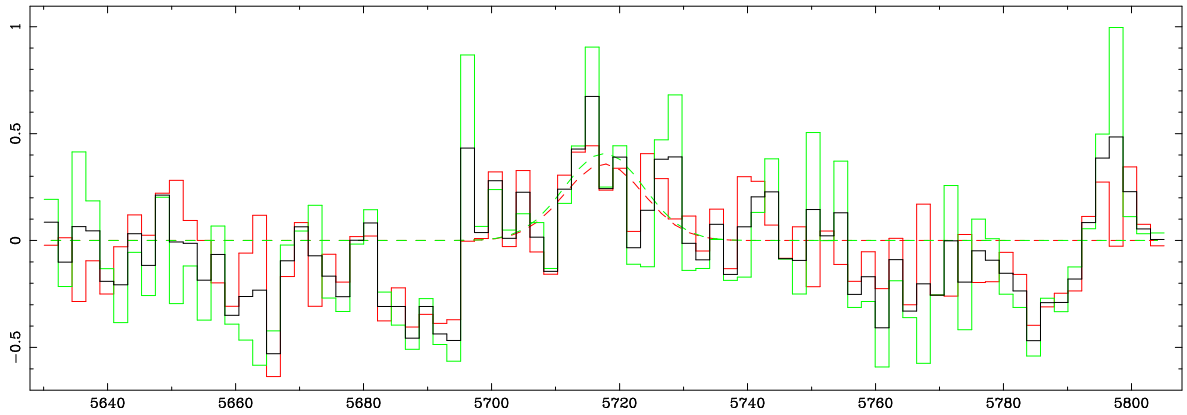
α_{2000} = 150.0911°

δ_{2000} = 2.2438°





S/N = 5.26
$FWHM_{obs}$ = 29.09Å
λ_{obs} = 5345.06Å
EW_{obs} = 3.43Å
α_{2000} = 150.0894°
δ_{2000} = 2.2438°



S/N = 8.71

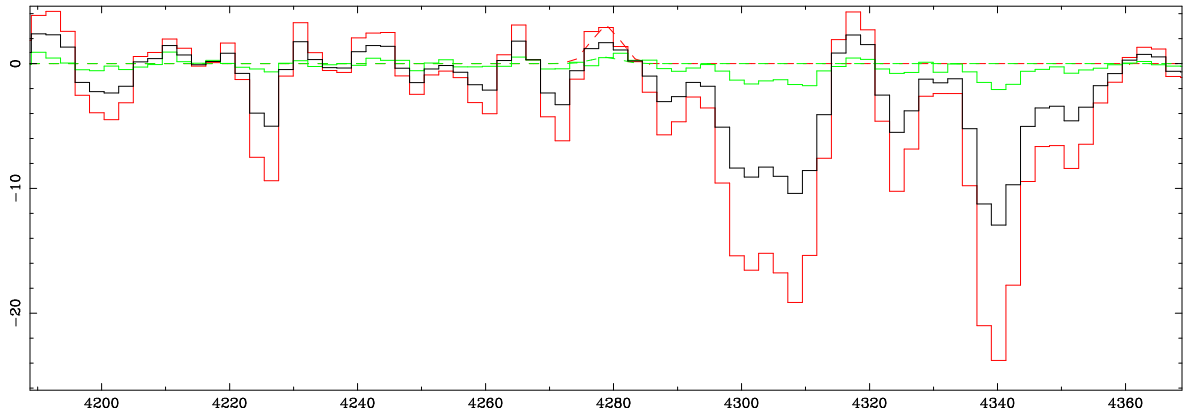
$FWHM_{obs}$ = 14.64Å

λ_{obs} = 5717.58Å

EW_{obs} = 3.10Å

α_{2000} = 150.0896°

δ_{2000} = 2.2435°



S/N = 9.73

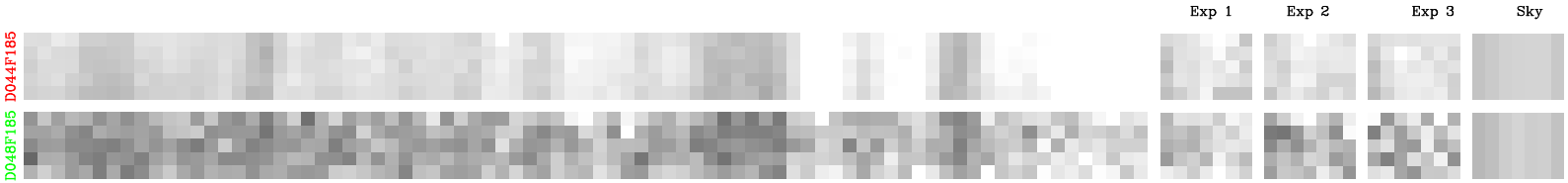
$FWHM_{obs}$ = 5.20Å

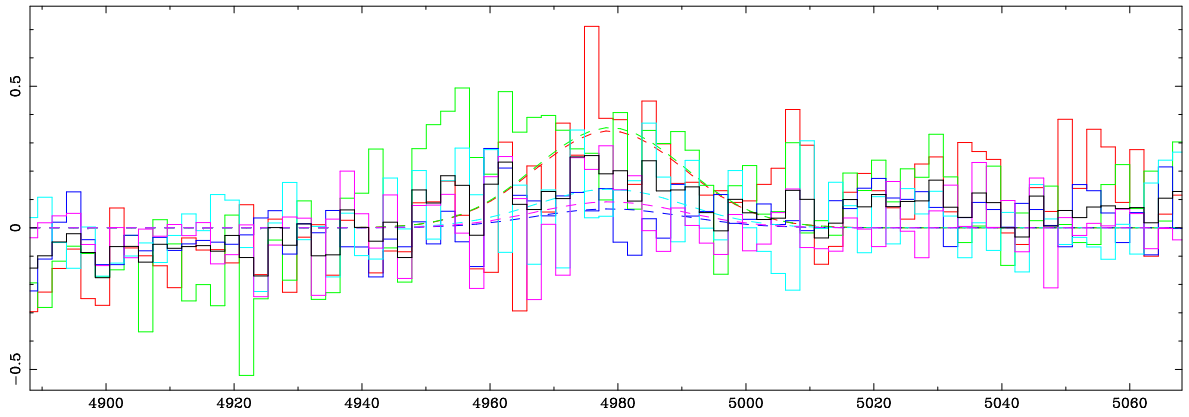
λ_{obs} = 4278.82Å

EW_{obs} = 0.27Å

α_{2000} = 150.0883°

δ_{2000} = 2.2433°





$S/N = 8.26$

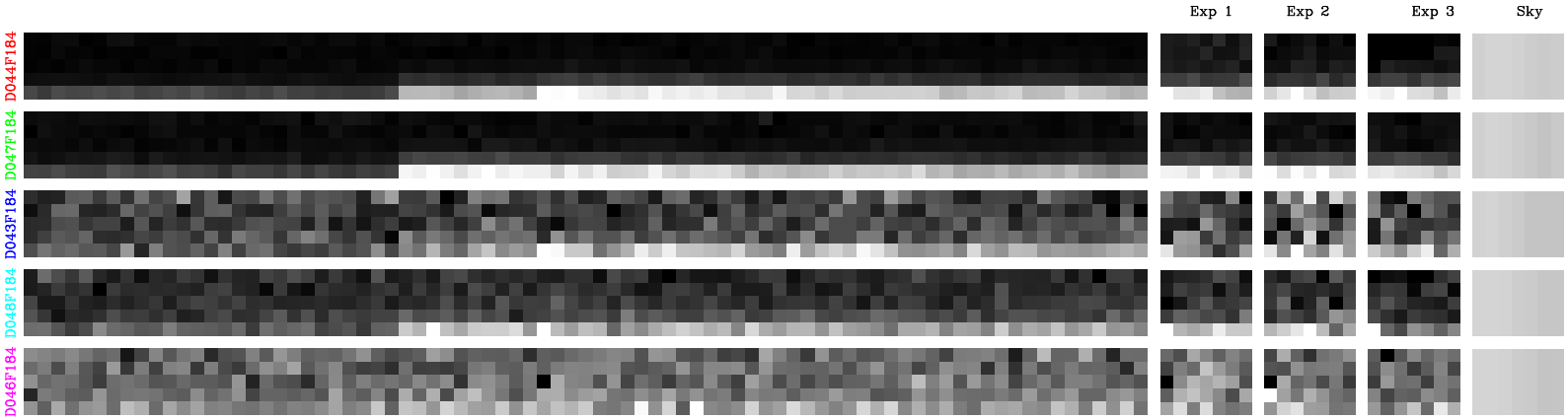
$FWHM_{obs} = 27.33Å$

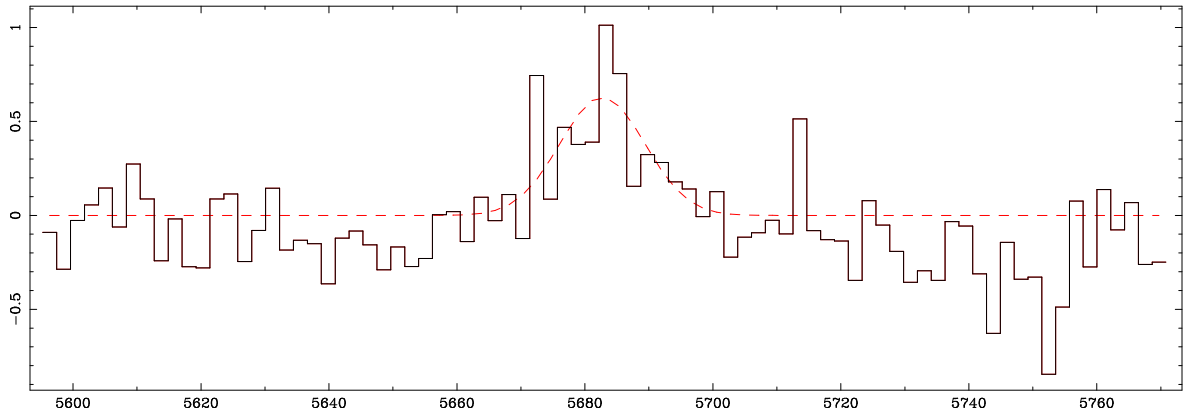
$\lambda_{obs} = 4978.73Å$

$EW_{obs} = 18.85Å$

$\alpha_{2000} = 150.0908°$

$\delta_{2000} = 2.2434°$





S/N = 8.93

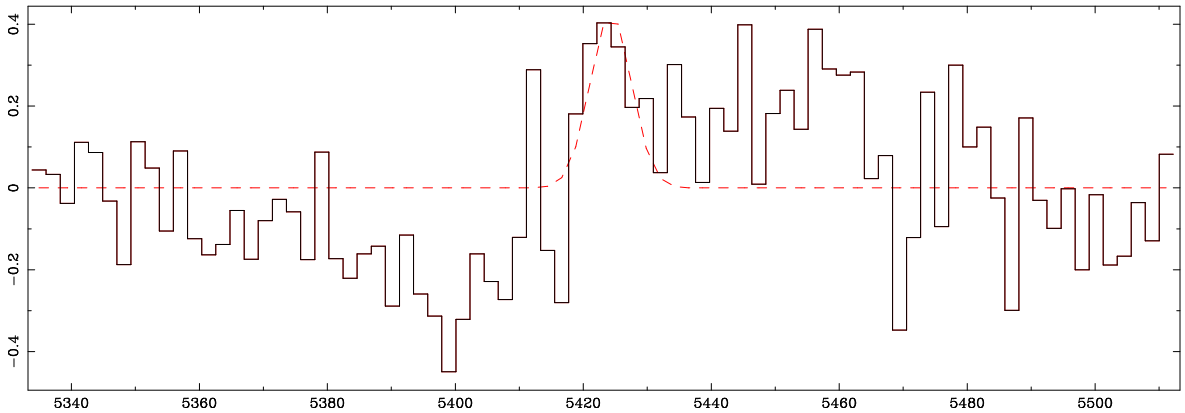
$FWHM_{obs}$ = 15.66Å

λ_{obs} = 5682.73Å

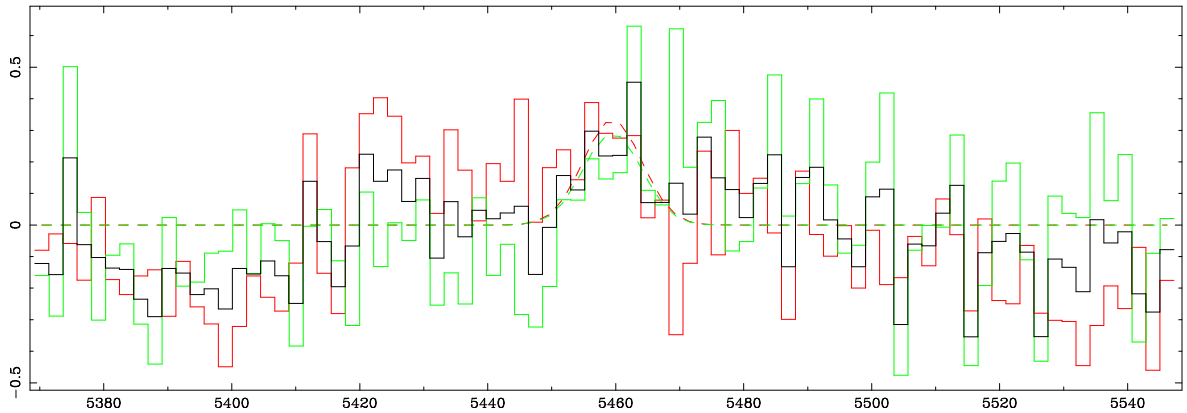
EW_{obs} = 10.81Å

α_{2000} = 150.0905°

δ_{2000} = 2.2432°



S/N = 5.41
$FWHM_{obs}$ = 7.58Å
λ_{obs} = 5424.30Å
EW_{obs} = 4.77Å
α_{2000} = 150.0905°
δ_{2000} = 2.2432°



S/N = 5.75

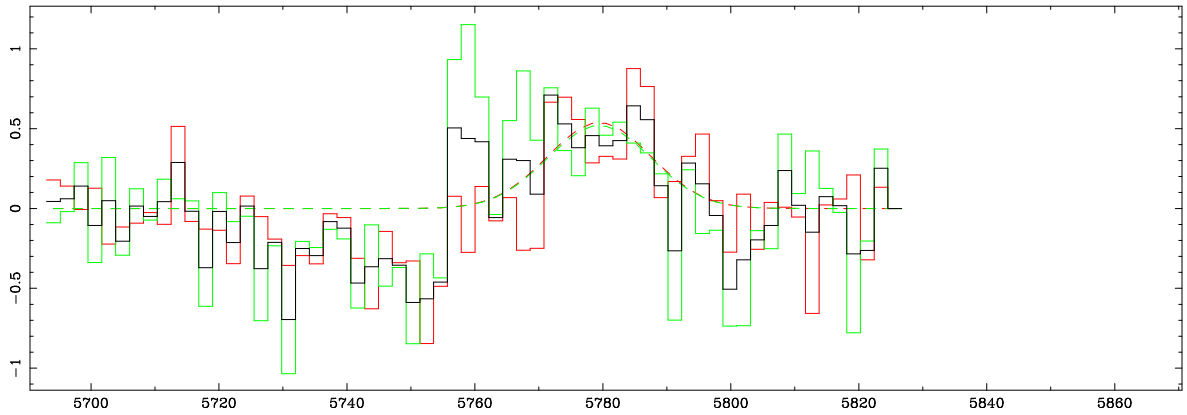
$FWHM_{obs}$ = 10.81Å

λ_{obs} = 5459.49Å

EW_{obs} = 3.33Å

α_{2000} = 150.0901°

δ_{2000} = 2.2432°



S/N = 8.60

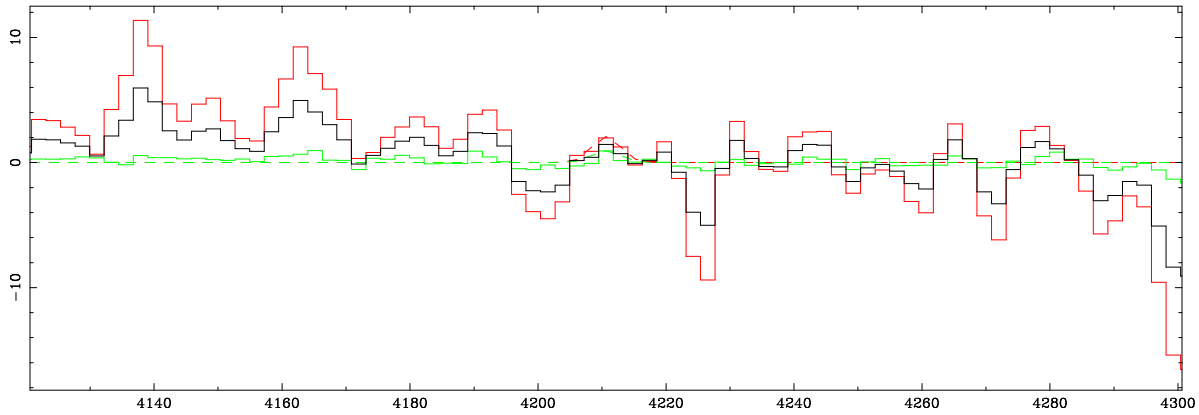
$FWHM_{obs}$ = 19.04Å

λ_{obs} = 5779.45Å

EW_{obs} = 8.75Å

α_{2000} = 150.0907°

δ_{2000} = 2.2435°



$S/N = 6.24$

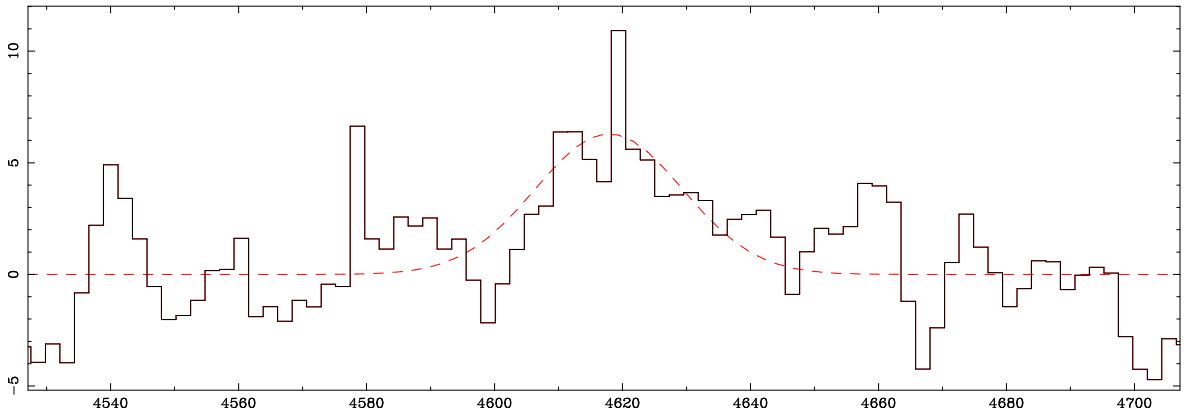
$FWHM_{obs} = 5.28Å$

$\lambda_{obs} = 4210.67Å$

$EW_{obs} = 0.18Å$

$\alpha_{2000} = 150.0883°$

$\delta_{2000} = 2.2432°$



S/N = 25.47

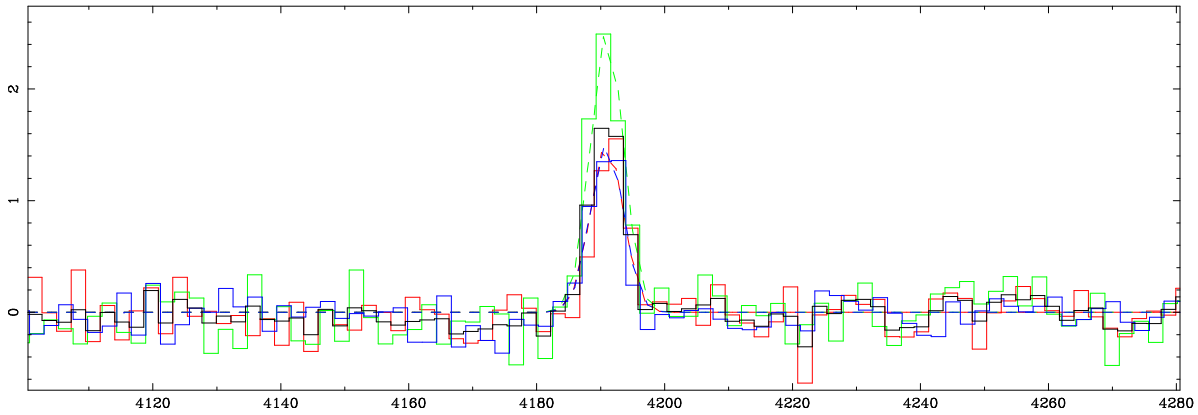
$FWHM_{obs}$ = 27.12Å

λ_{obs} = 4617.85Å

EW_{obs} = 2.92Å

α_{2000} = 150.0882°

δ_{2000} = 2.2433°



S/N = 21.77

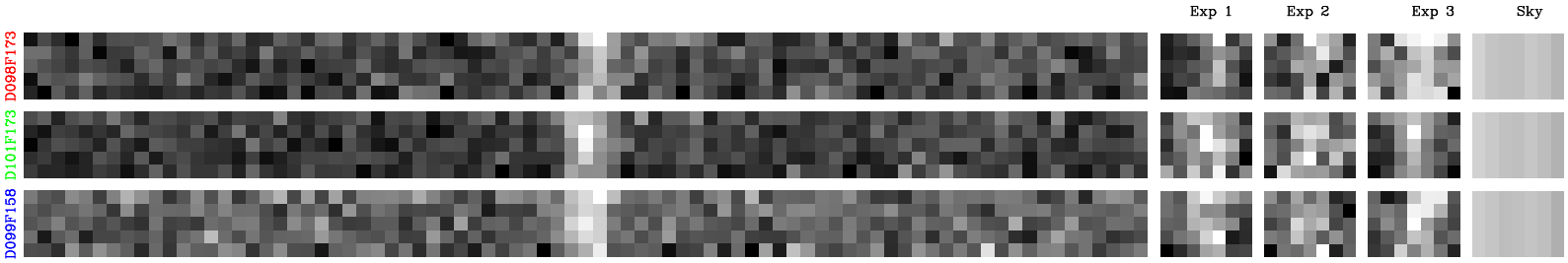
$FWHM_{obs}$ = 6.00Å

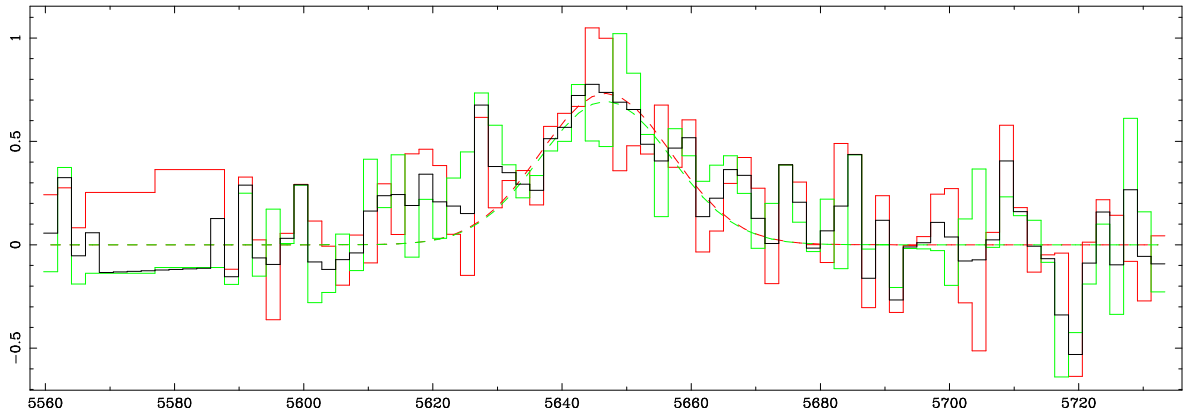
λ_{obs} = 4190.97Å

EW_{obs} = 31.07Å

α_{2000} = 150.0789°

δ_{2000} = 2.2407°





$S/N = 7.73$

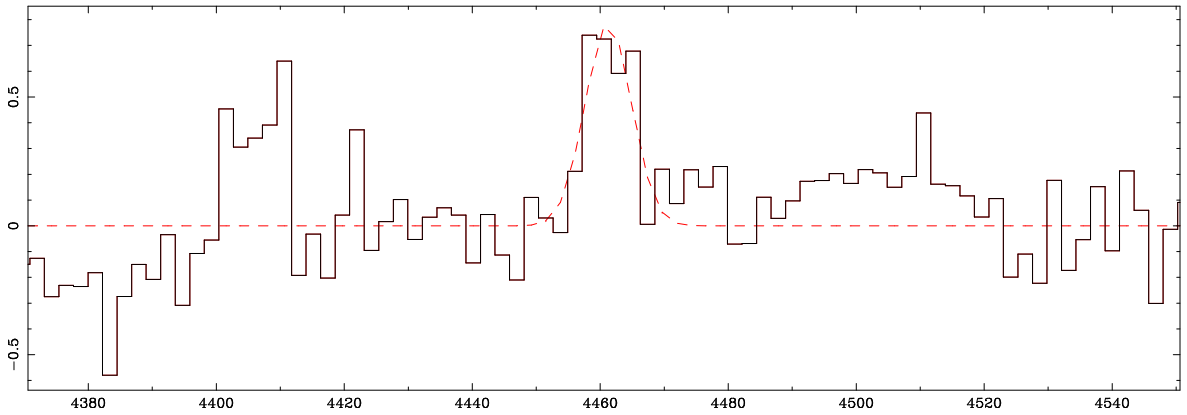
$FWHM_{obs} = 23.85Å$

$\lambda_{obs} = 5646.77Å$

$EW_{obs} > 248.20Å$

$\alpha_{2000} = 150.1067°$

$\delta_{2000} = 2.2655°$



S/N = 7.70

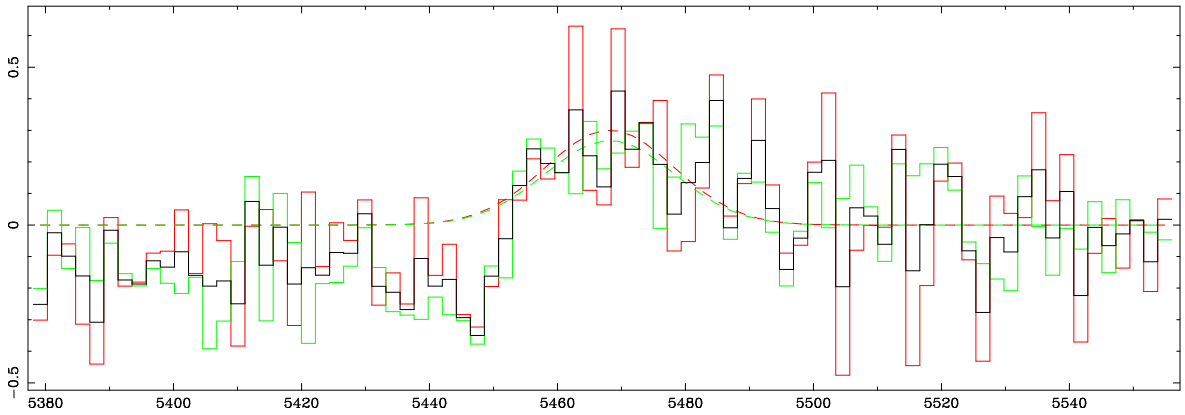
$FWHM_{obs}$ = 8.49Å

λ_{obs} = 4461.28Å

EW_{obs} = 4.66Å

α_{2000} = 150.0897°

δ_{2000} = 2.2433°



S/N = 6.57

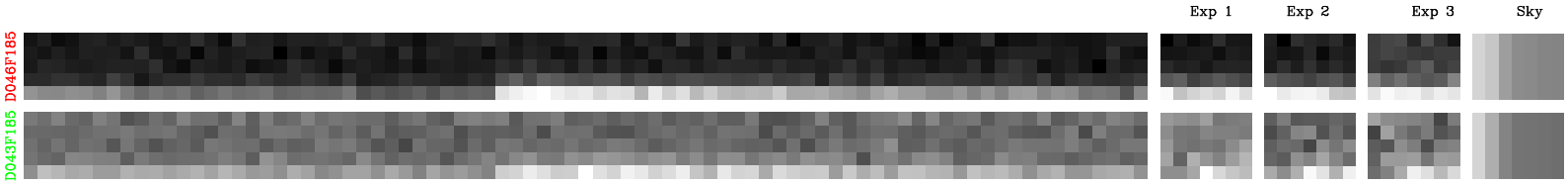
$FWHM_{obs}$ = 23.72Å

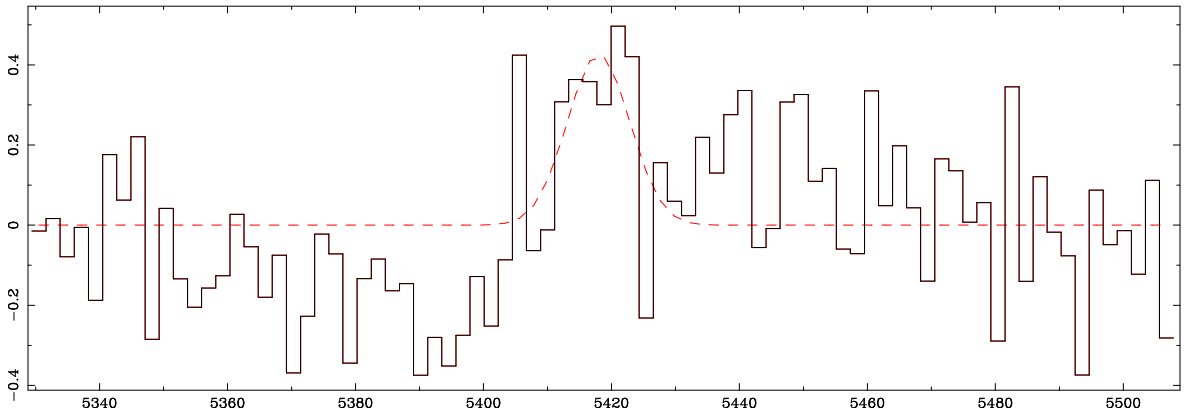
λ_{obs} = 5468.16Å

EW_{obs} = 3.53Å

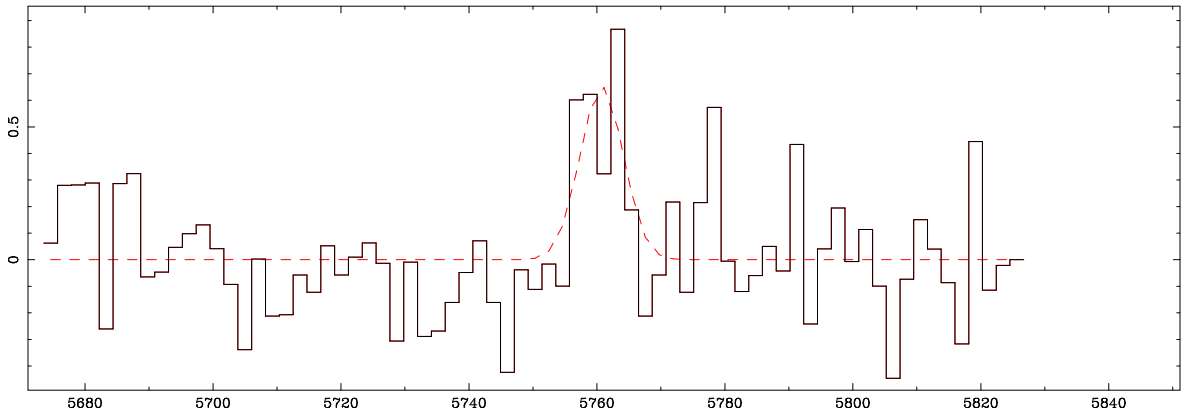
α_{2000} = 150.0896°

δ_{2000} = 2.2435°





S/N = 5.57
$FWHM_{obs}$ = 11.49Å
λ_{obs} = 5417.99Å
EW_{obs} = 6.48Å
α_{2000} = 150.0908°
δ_{2000} = 2.2438°



$S/N = 7.36$

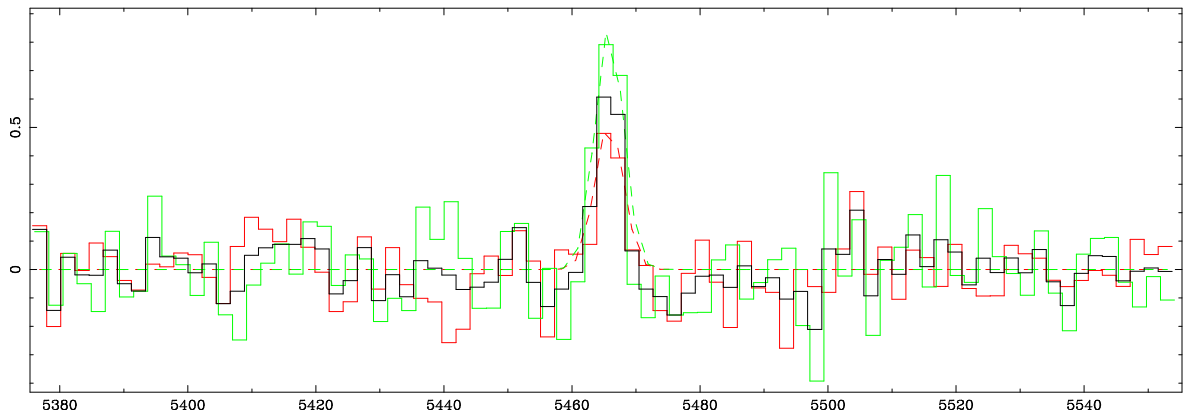
$FWHM_{obs} = 7.96Å$

$\lambda_{obs} = 5760.75Å$

$EW_{obs} = 12.41Å$

$\alpha_{2000} = 150.0908°$

$\delta_{2000} = 2.2426°$



S/N = 6.82

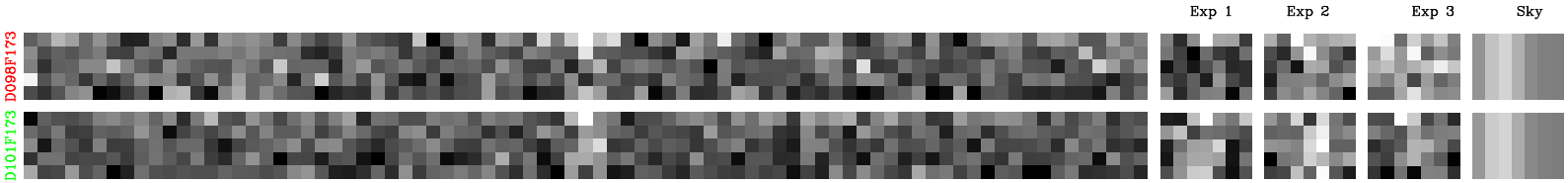
$FWHM_{obs}$ = 5.20Å

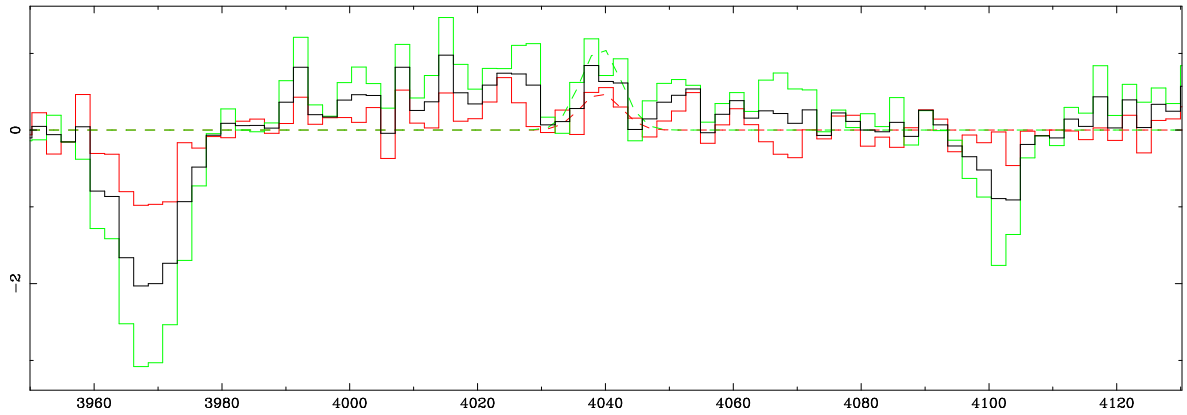
λ_{obs} = 5465.81Å

EW_{obs} = 5.16Å

α_{2000} = 150.0791°

δ_{2000} = 2.2404°





$S/N = 7.26$

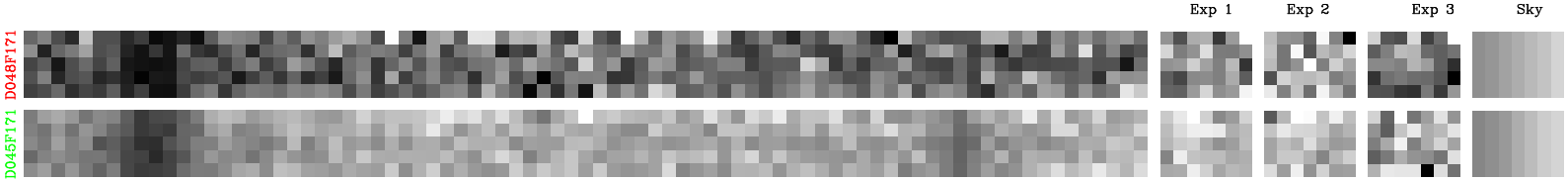
$FWHM_{obs} = 7.39Å$

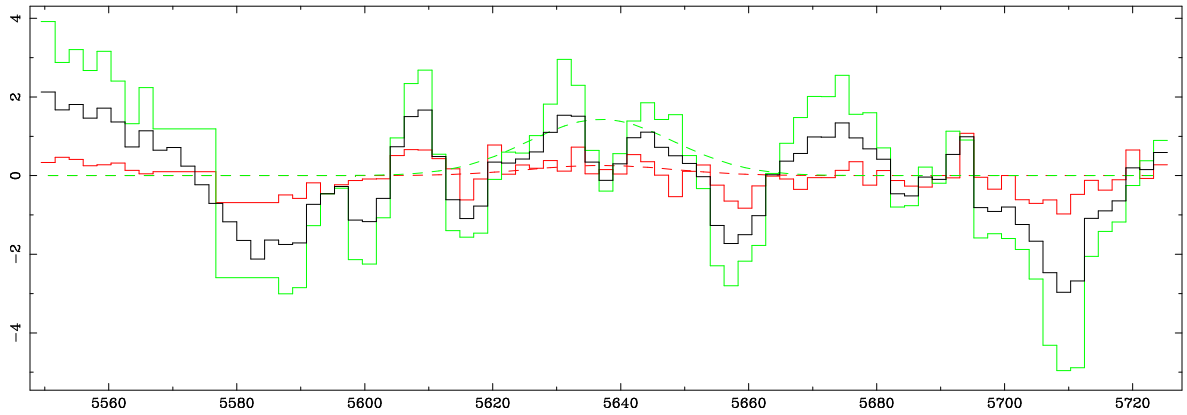
$\lambda_{obs} = 4039.24Å$

$EW_{obs} = 2.24Å$

$\alpha_{2000} = 150.0881°$

$\delta_{2000} = 2.2447°$





S/N = 6.96

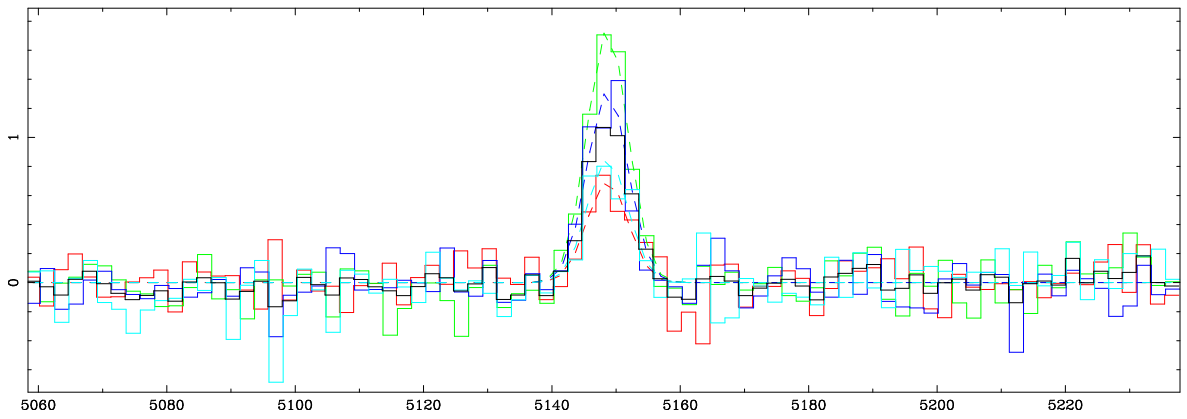
$FWHM_{obs}$ = 26.79Å

λ_{obs} = 5636.93Å

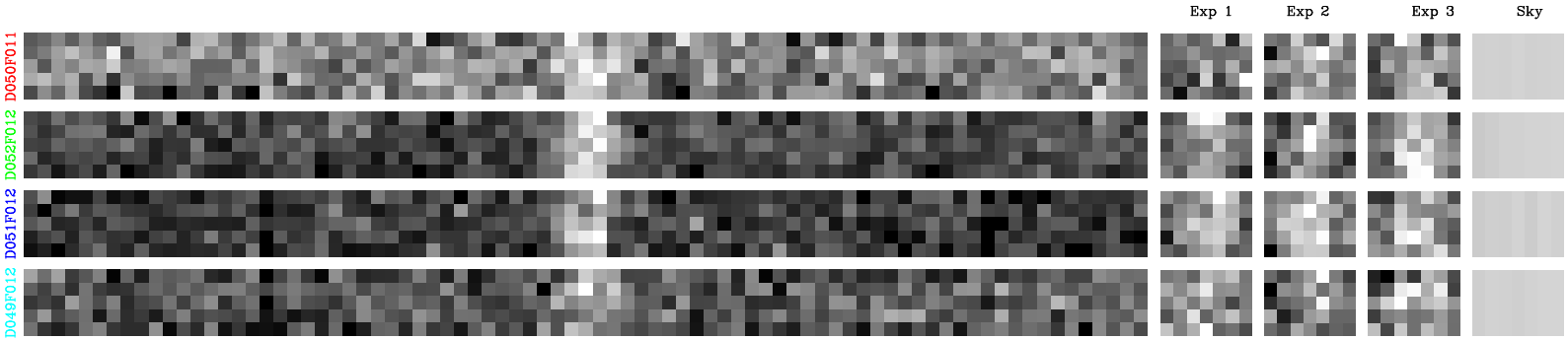
EW_{obs} = 0.52Å

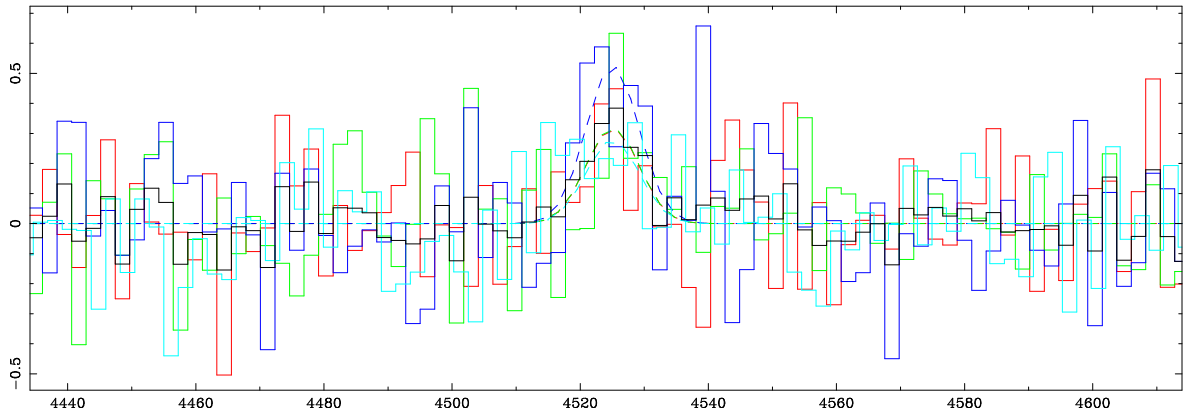
α_{2000} = 150.0884°

δ_{2000} = 2.2431°



S/N = 23.44
$FWHM_{obs}$ = 7.48Å
λ_{obs} = 5148.66Å
EW_{obs} = 49.56Å
α_{2000} = 150.0877°
δ_{2000} = 2.3248°





$S/N = 6.98$

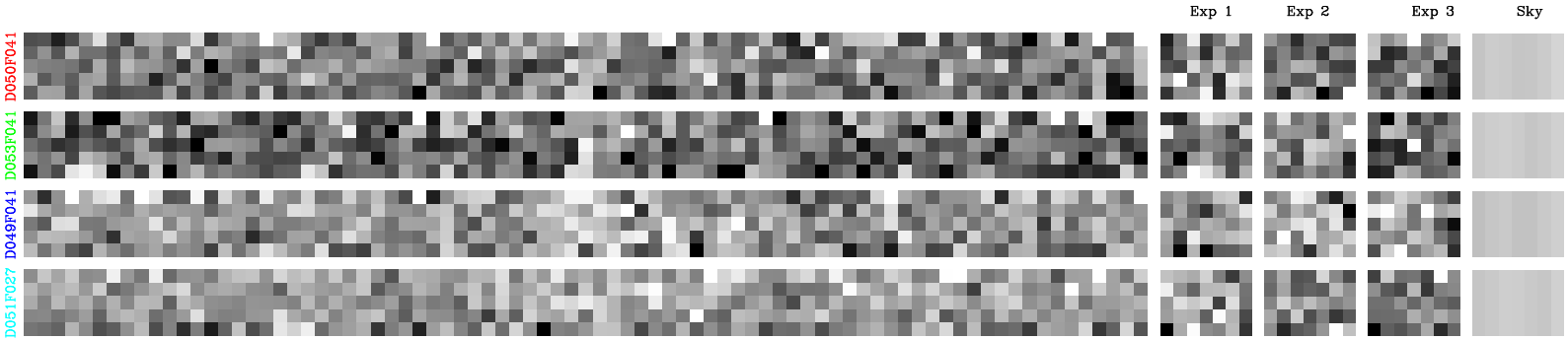
$FWHM_{obs} = 9.74Å$

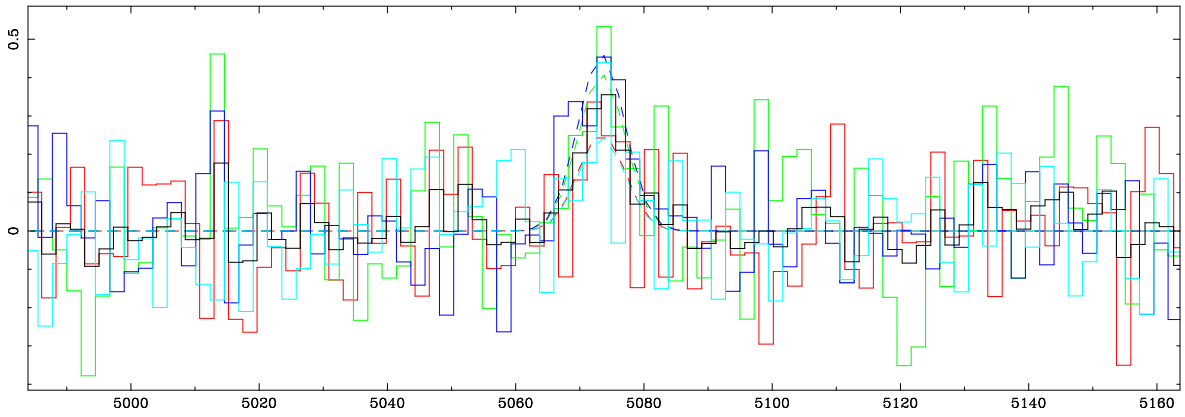
$\lambda_{obs} = 4525.05Å$

$EW_{obs} > 93.81Å$

$\alpha_{2000} = 150.0867°$

$\delta_{2000} = 2.3219°$





S/N = 7.60

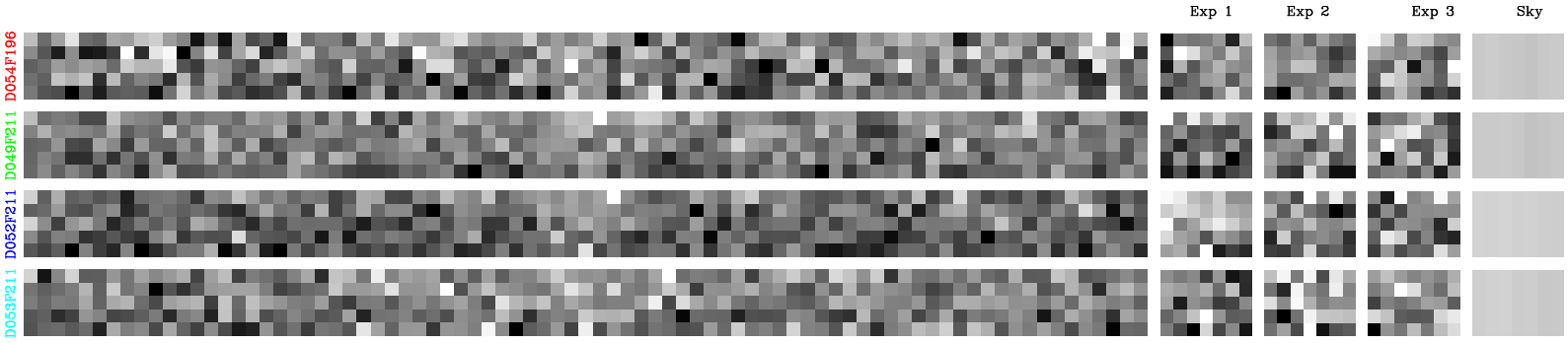
$FWHM_{obs}$ = 8.65Å

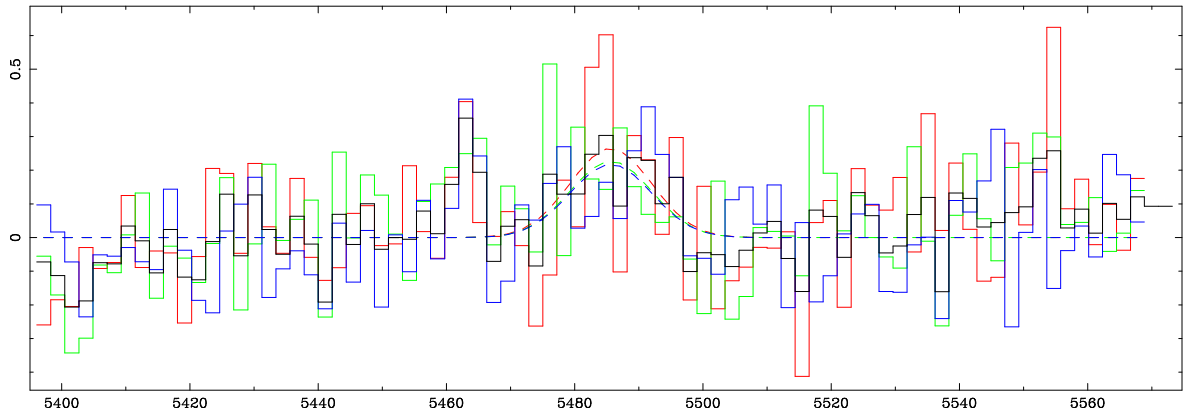
λ_{obs} = 5073.39Å

EW_{obs} = 17.96Å

α_{2000} = 150.0956°

δ_{2000} = 2.2987°





$S/N = 5.78$

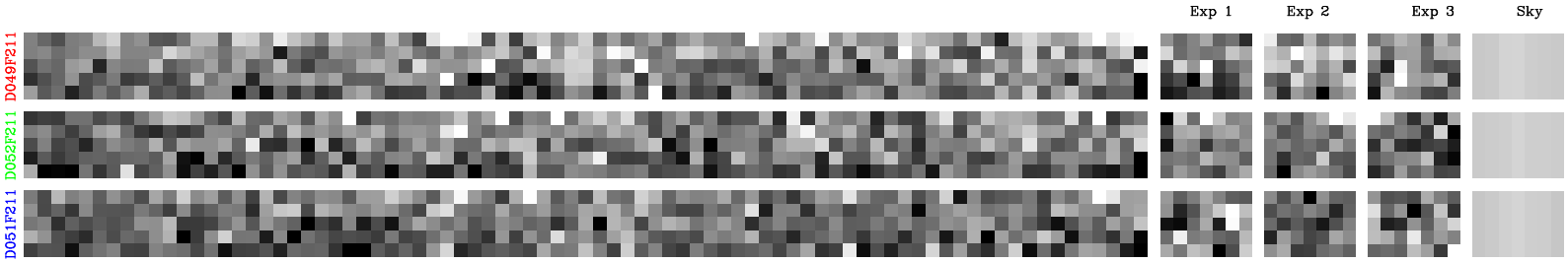
$FWHM_{obs} = 14.99Å$

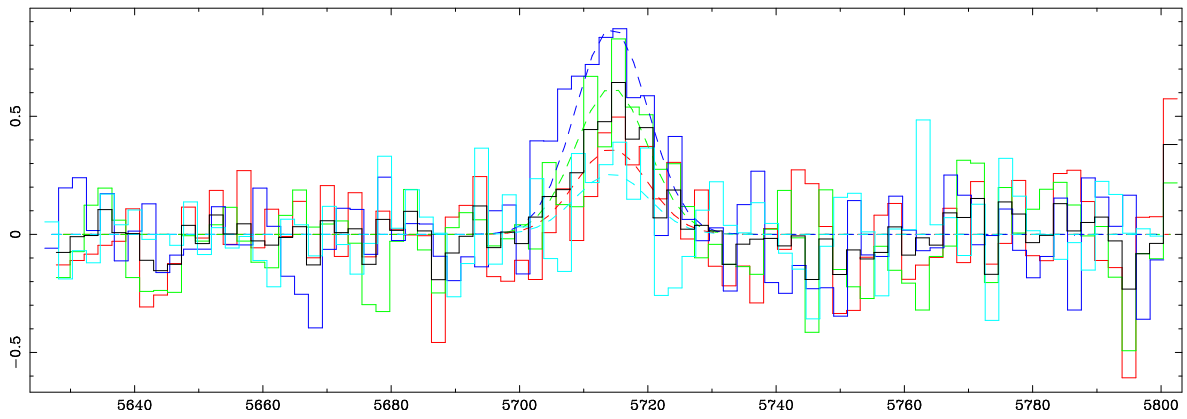
$\lambda_{obs} = 5485.64Å$

$EW_{obs} = 16.40Å$

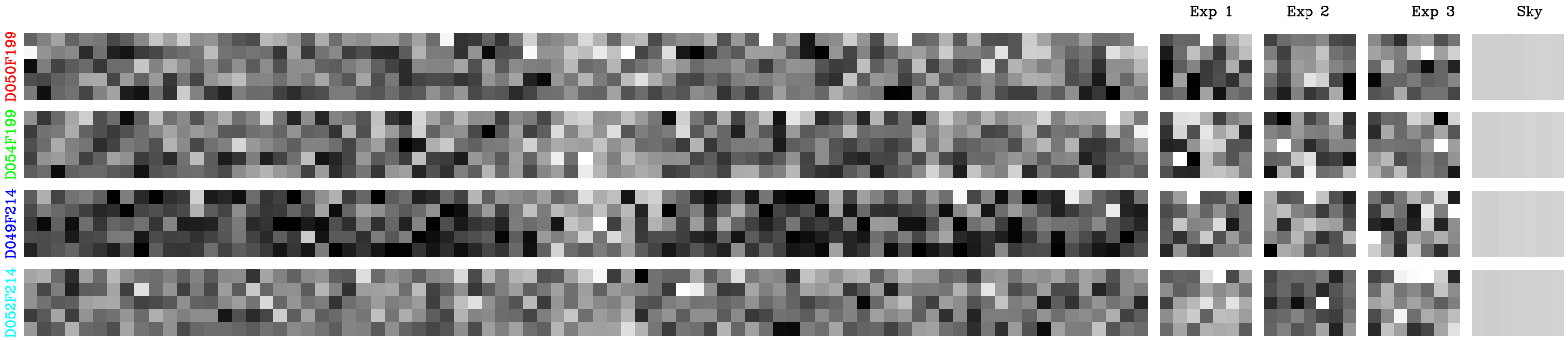
$\alpha_{2000} = 150.0957°$

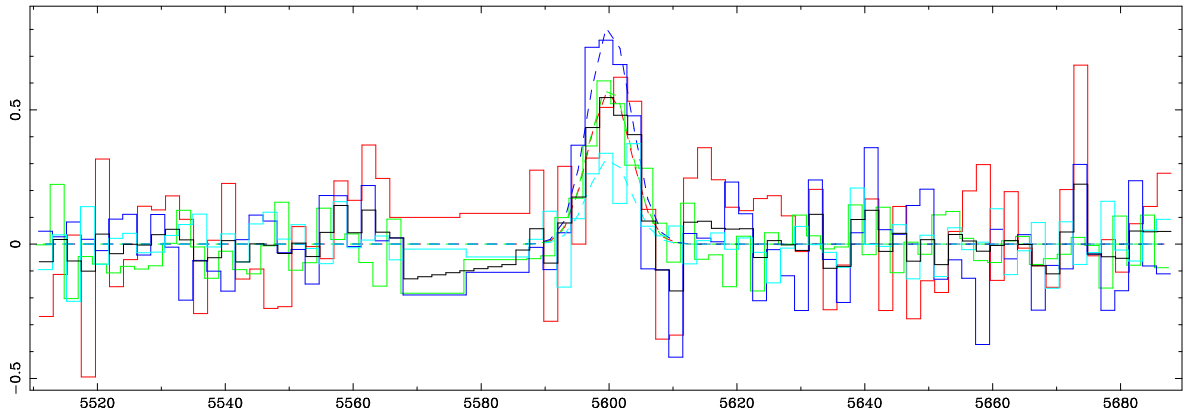
$\delta_{2000} = 2.2982°$



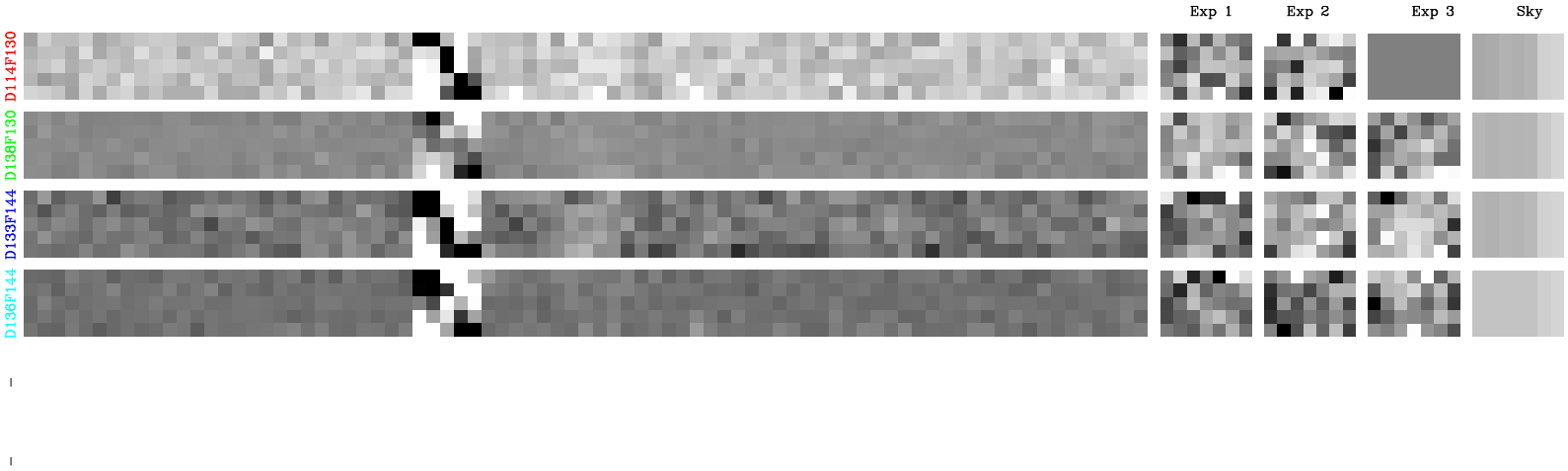


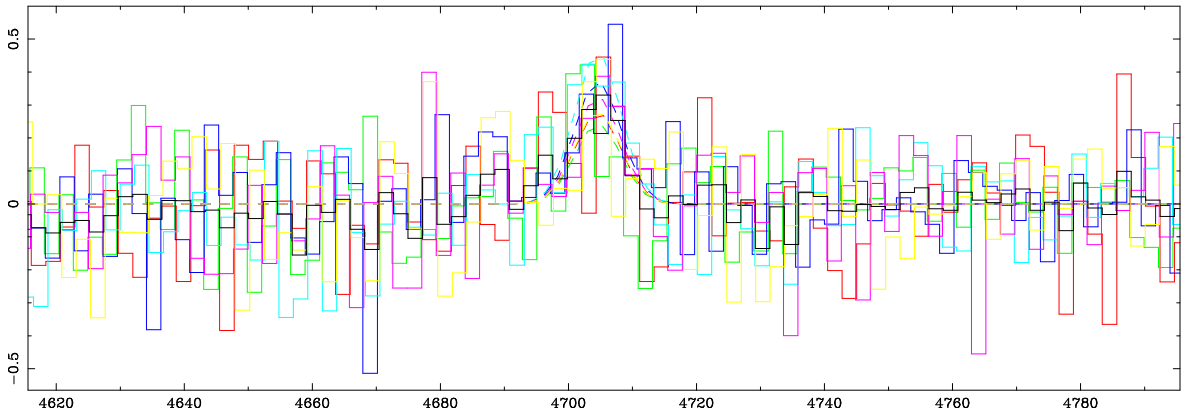
S/N = 12.69
$FWHM_{obs}$ = 13.24Å
λ_{obs} = 5714.37Å
EW_{obs} = 83.33Å
α_{2000} = 150.0892°
δ_{2000} = 2.2994°





S/N = 12.50
$FWHM_{obs}$ = 7.90Å
λ_{obs} = 5600.11Å
EW_{obs} = 25.79Å
α_{2000} = 150.0784°
δ_{2000} = 2.3027°





S/N = 8.33

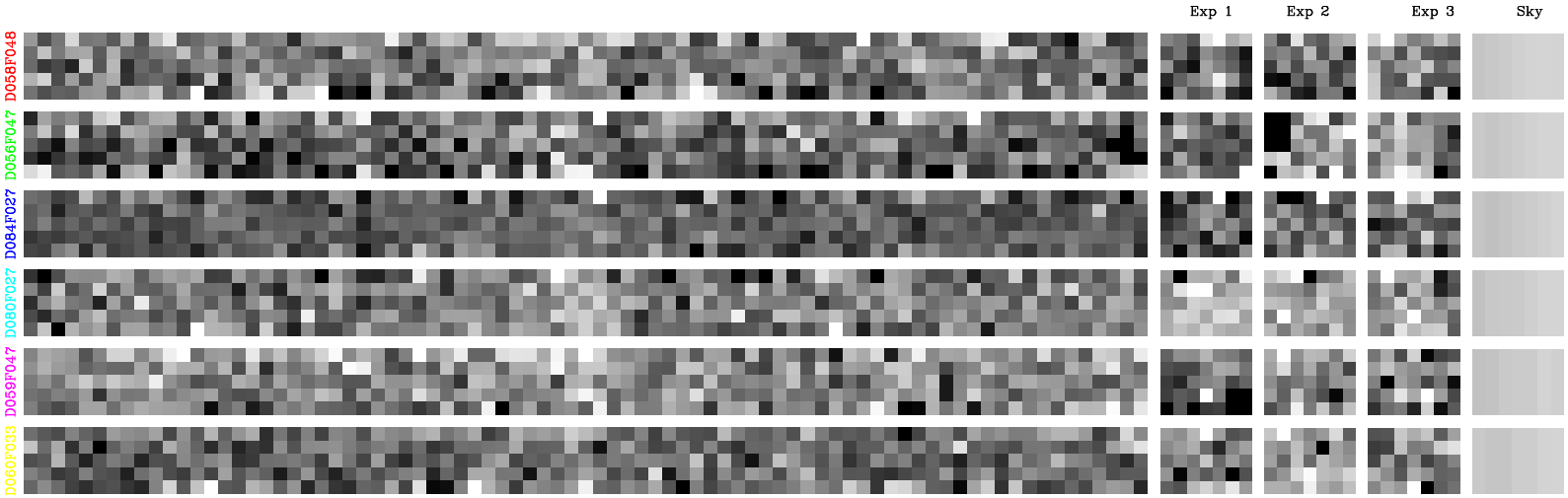
$FWHM_{obs}$ = 8.52Å

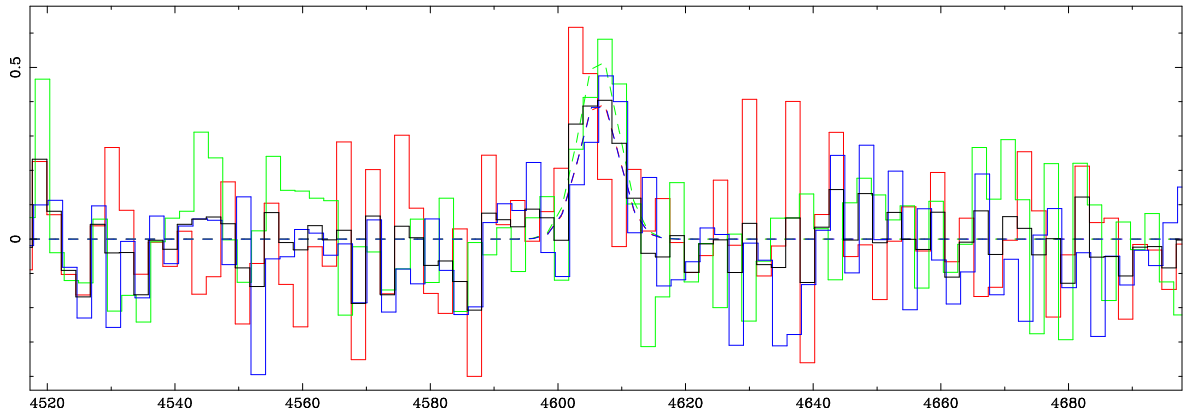
λ_{obs} = 4704.59Å

EW_{obs} > 102.18Å

α_{2000} = 150.1338°

δ_{2000} = 2.3198°





$S/N = 7.26$

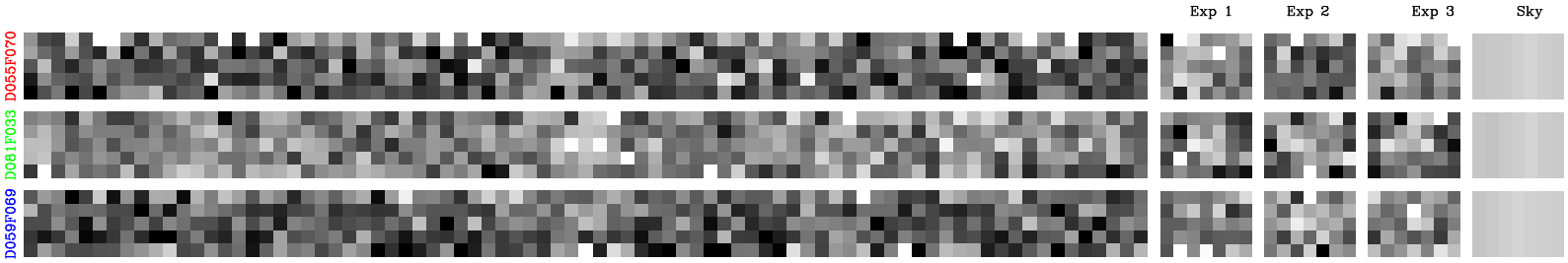
$FWHM_{obs} = 7.26Å$

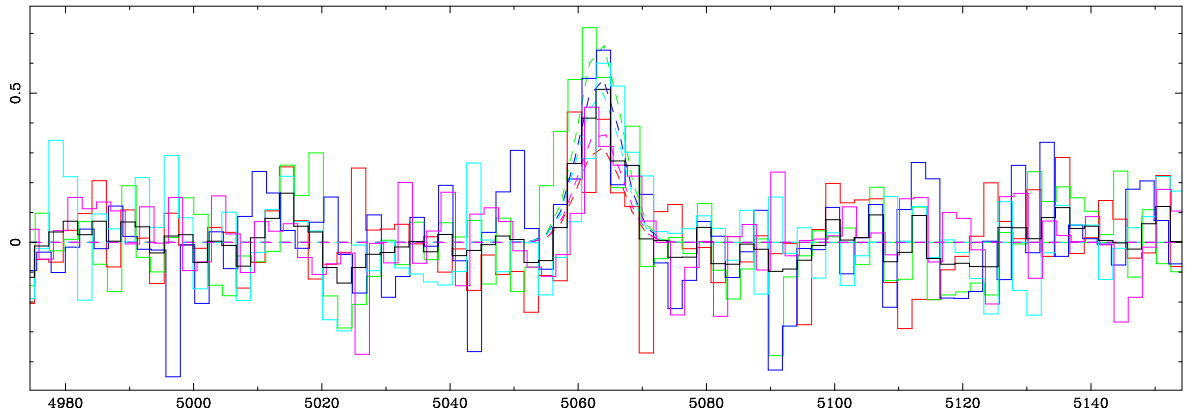
$\lambda_{obs} = 4606.40Å$

$EW_{obs} = 35.83Å$

$\alpha_{2000} = 150.1176°$

$\delta_{2000} = 2.3182°$





$S/N = 11.82$

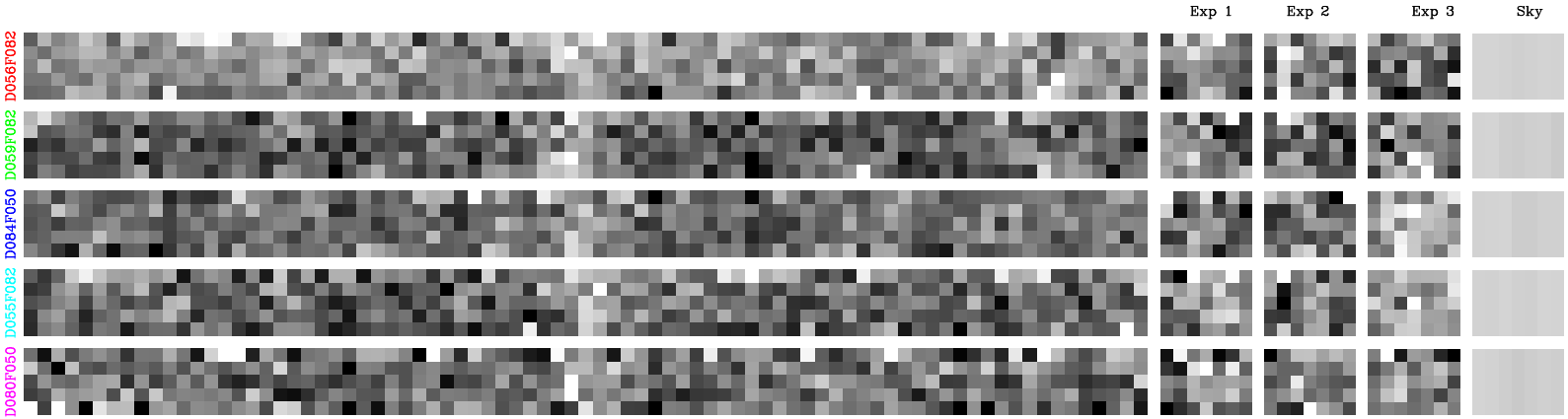
$FWHM_{obs} = 7.85Å$

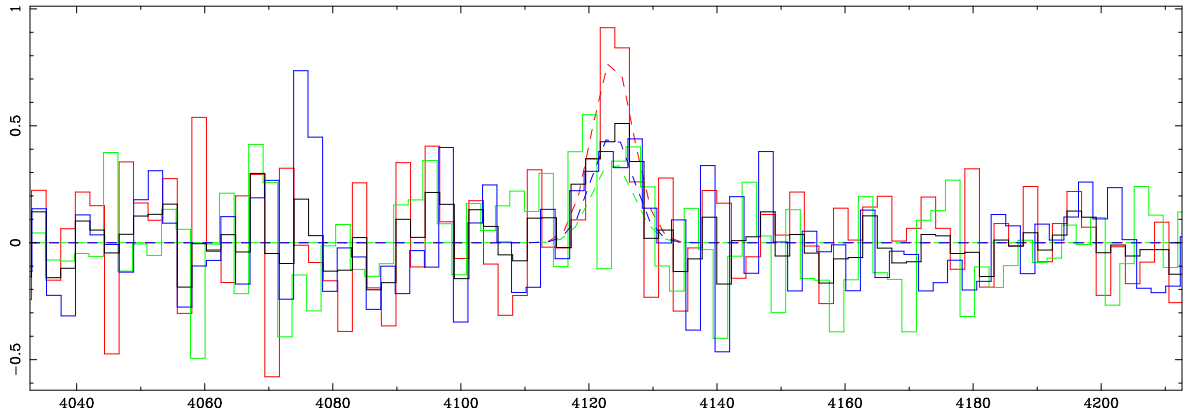
$\lambda_{obs} = 5063.36Å$

$EW_{obs} = 17.76Å$

$\alpha_{2000} = 150.1217°$

$\delta_{2000} = 2.3163°$





S/N = 5.99

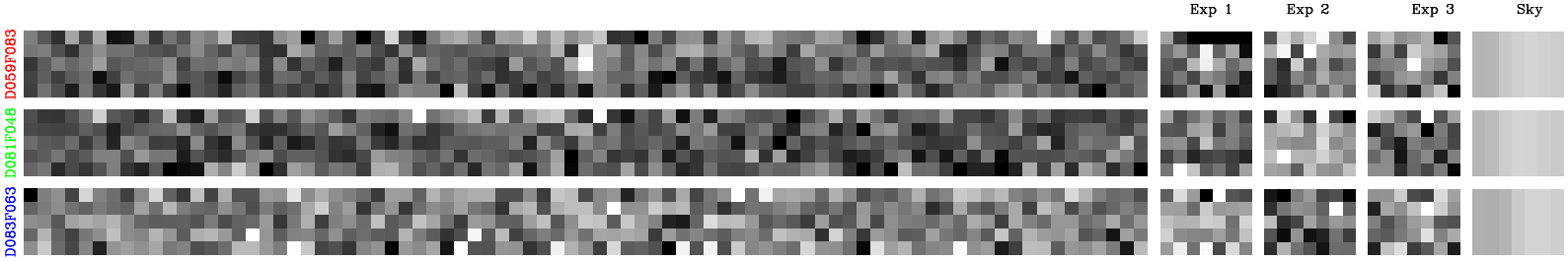
$FWHM_{obs}$ = 7.60Å

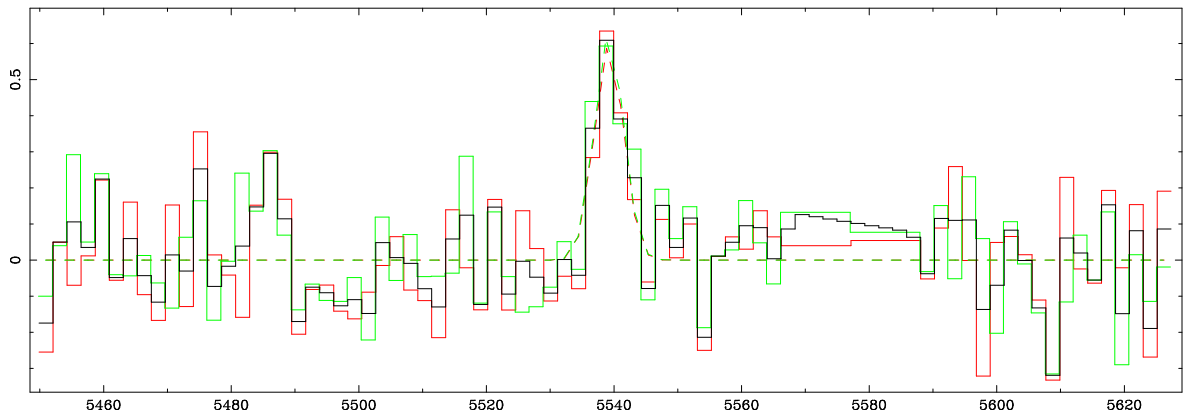
λ_{obs} = 4123.69Å

EW_{obs} > 69.85Å

α_{2000} = 150.1190°

δ_{2000} = 2.3162°





S/N = 6.91

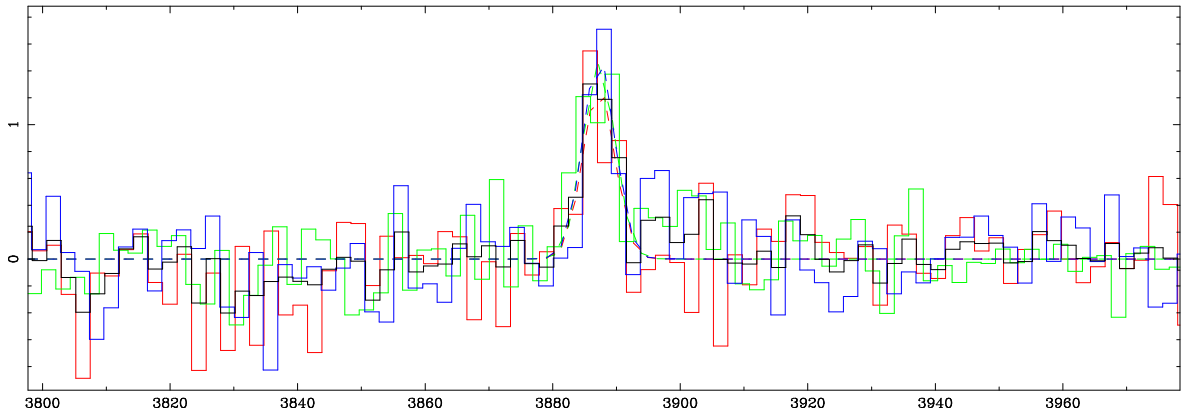
$FWHM_{obs}$ = 5.34Å

λ_{obs} = 5539.20Å

EW_{obs} = 19.20Å

α_{2000} = 150.1192°

δ_{2000} = 2.3160°



$S/N = 9.60$

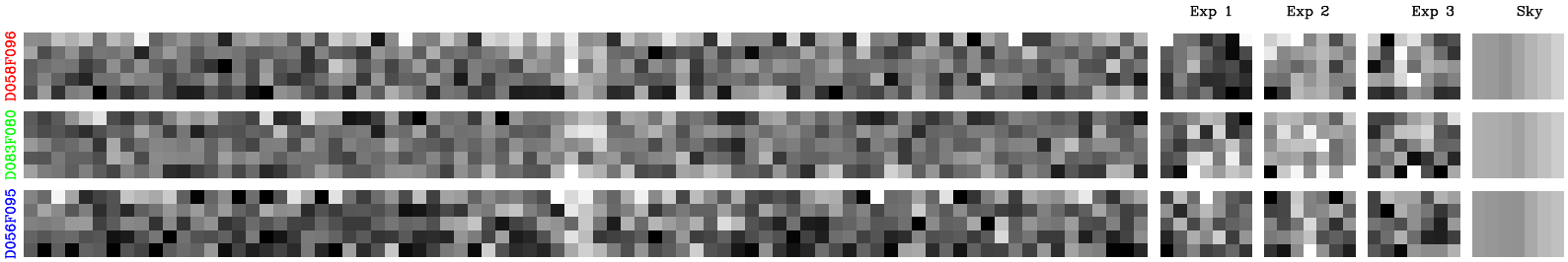
$FWHM_{obs} = 5.87$Å

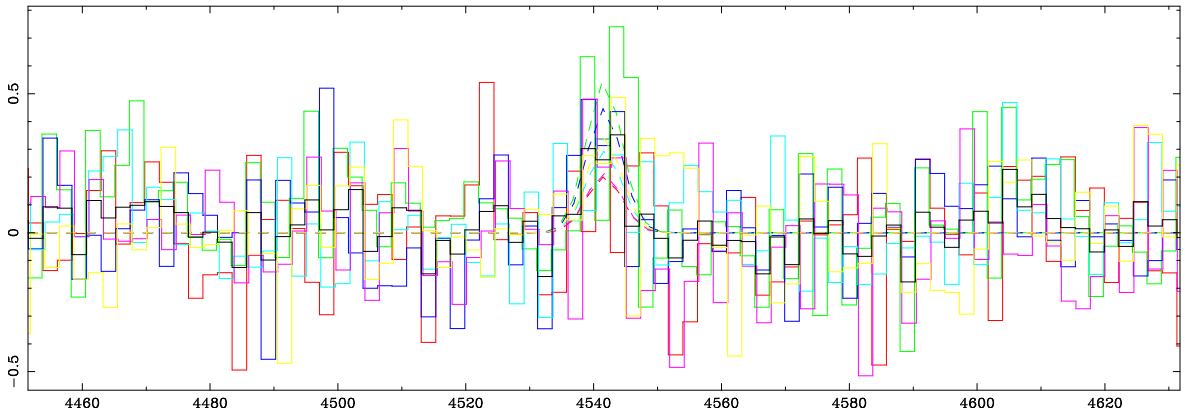
$\lambda_{obs} = 3887.24$Å

$EW_{obs} > 93.17$Å

$\alpha_{2000} = 150.1239°$

$\delta_{2000} = 2.3139°$





$S/N = 6.62$

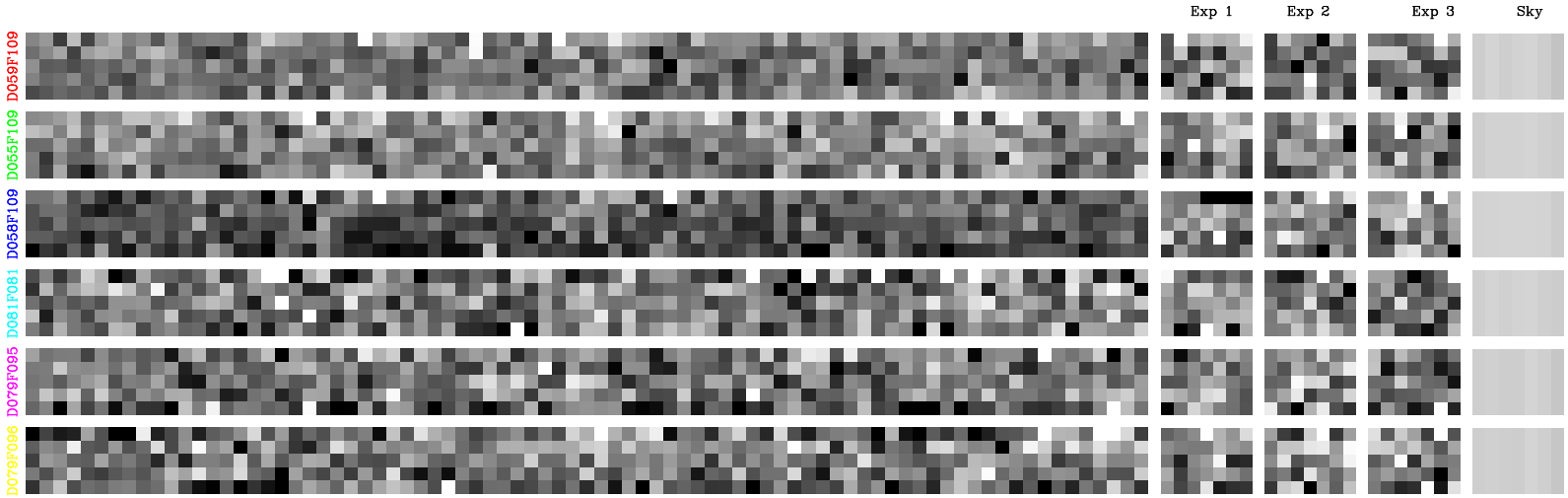
$FWHM_{obs} = 6.56Å$

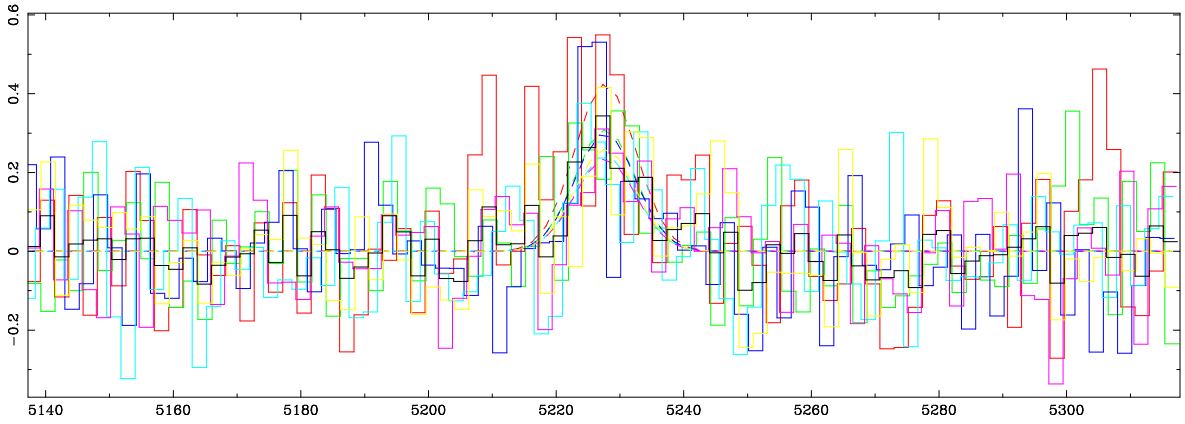
$\lambda_{obs} = 4541.65Å$

$EW_{obs} = 9.08Å$

$\alpha_{2000} = 150.1266°$

$\delta_{2000} = 2.3123°$





$S/N = 9.03$

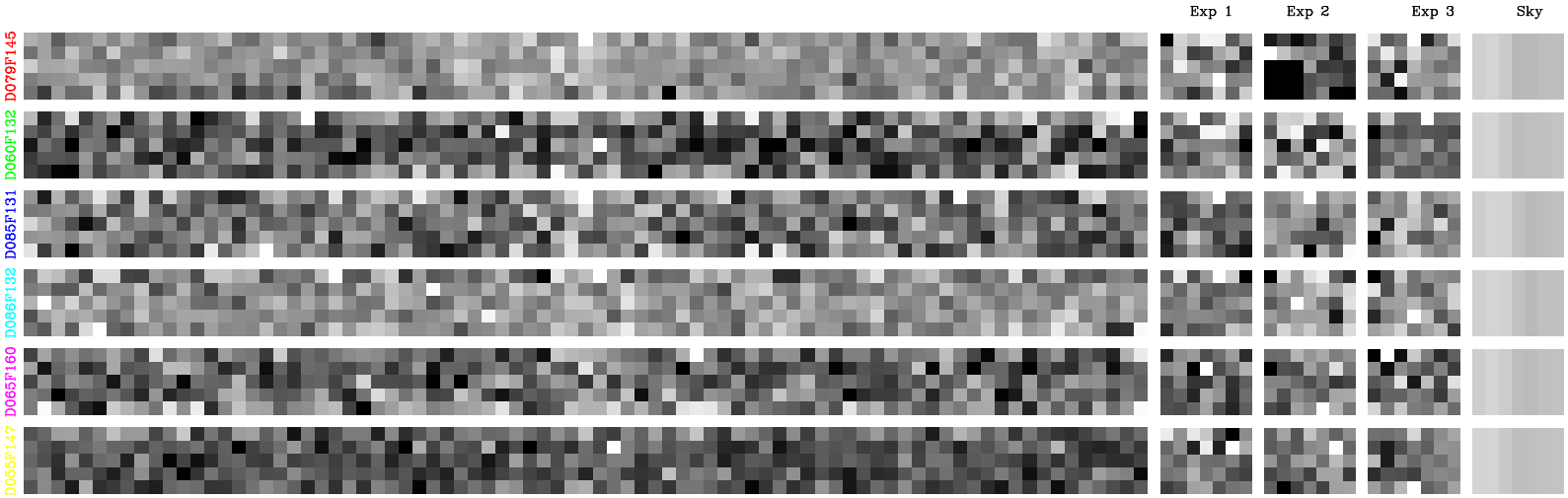
$FWHM_{obs} = 11.22Å$

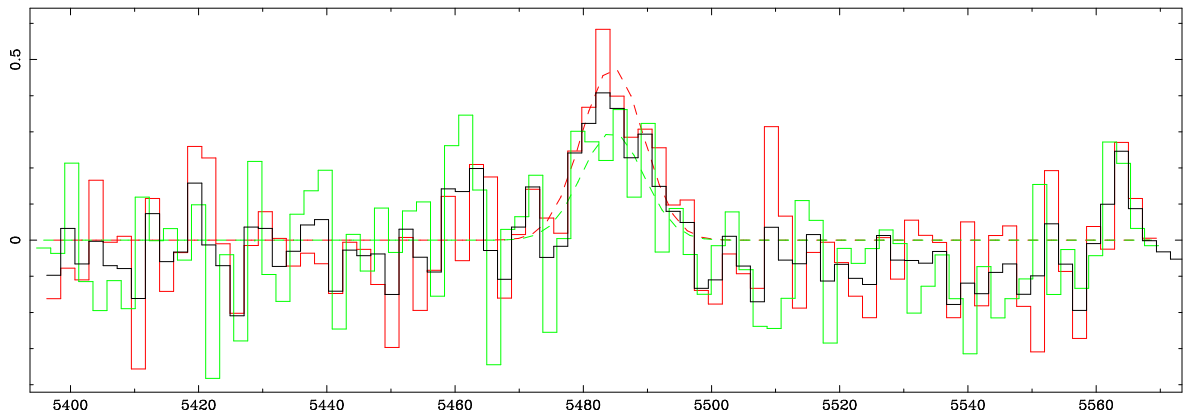
$\lambda_{obs} = 5227.69Å$

$EW_{obs} > 134.28Å$

$\alpha_{2000} = 150.1386°$

$\delta_{2000} = 2.3068°$





$S/N = 7.48$

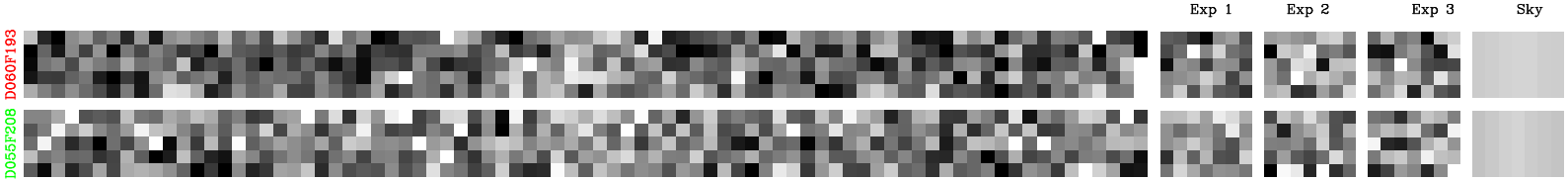
$FWHM_{obs} = 11.41Å$

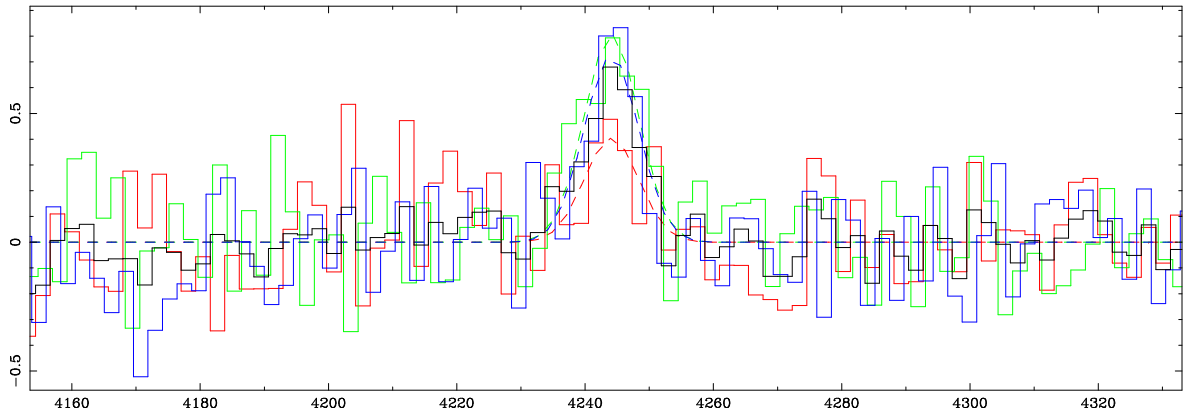
$\lambda_{obs} = 5484.55Å$

$EW_{obs} > 105.89Å$

$\alpha_{2000} = 150.1320°$

$\delta_{2000} = 2.2993°$





S/N = 9.00

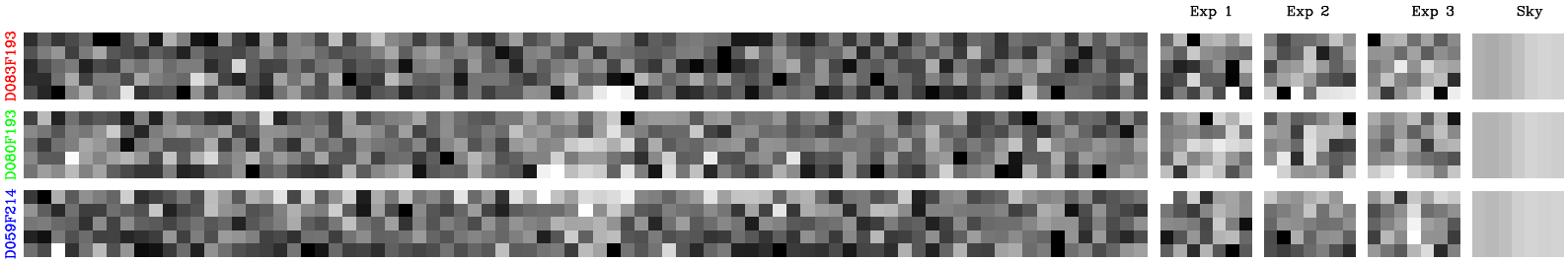
$FWHM_{obs}$ = 10.04Å

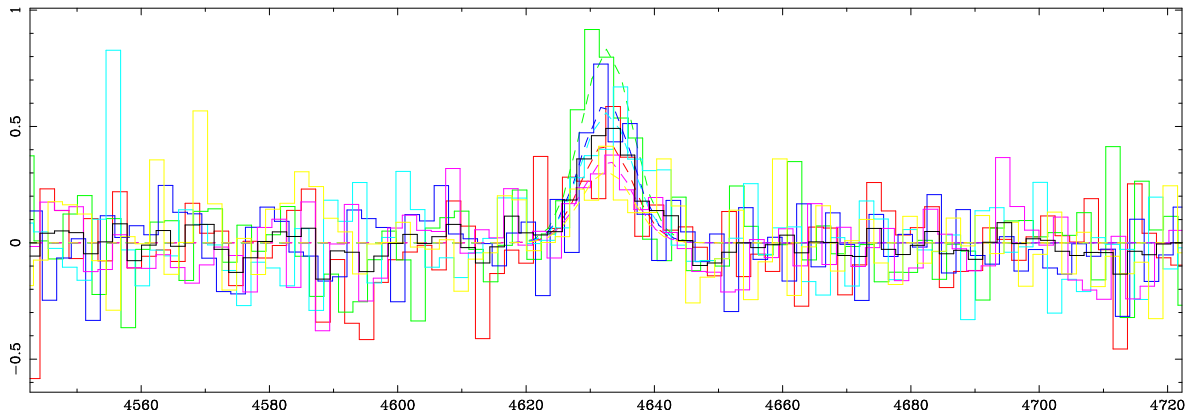
λ_{obs} = 4244.11Å

EW_{obs} > 125.16Å

α_{2000} = 150.1177°

δ_{2000} = 2.2996°





$S/N = 12.27$

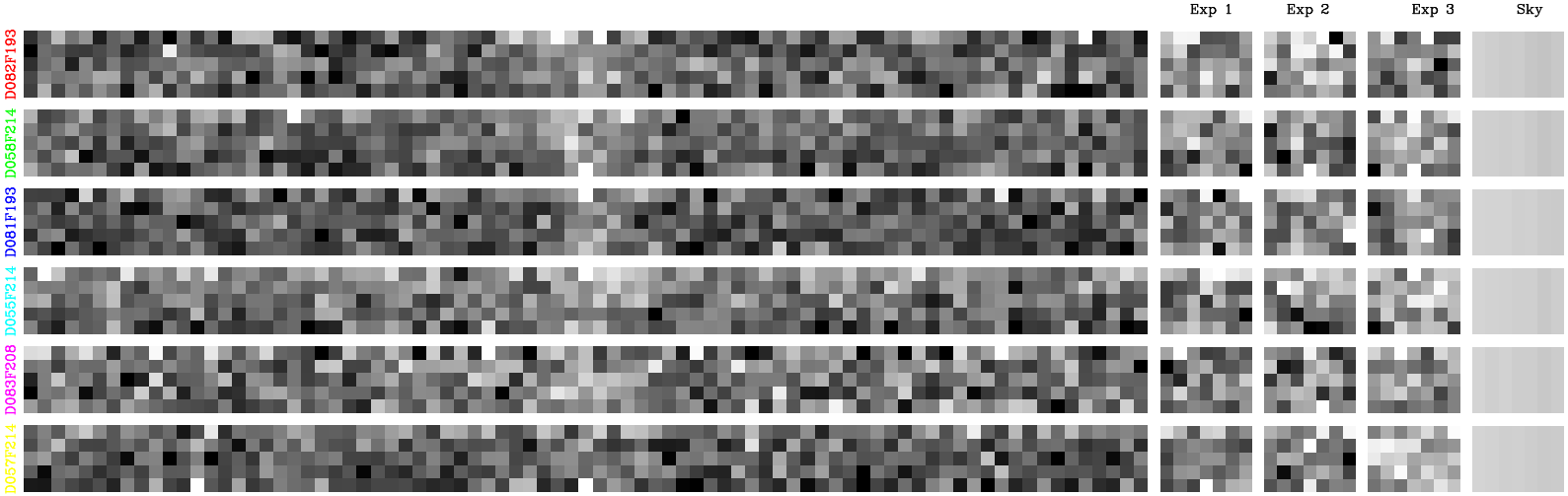
$FWHM_{obs} = 9.41$Å

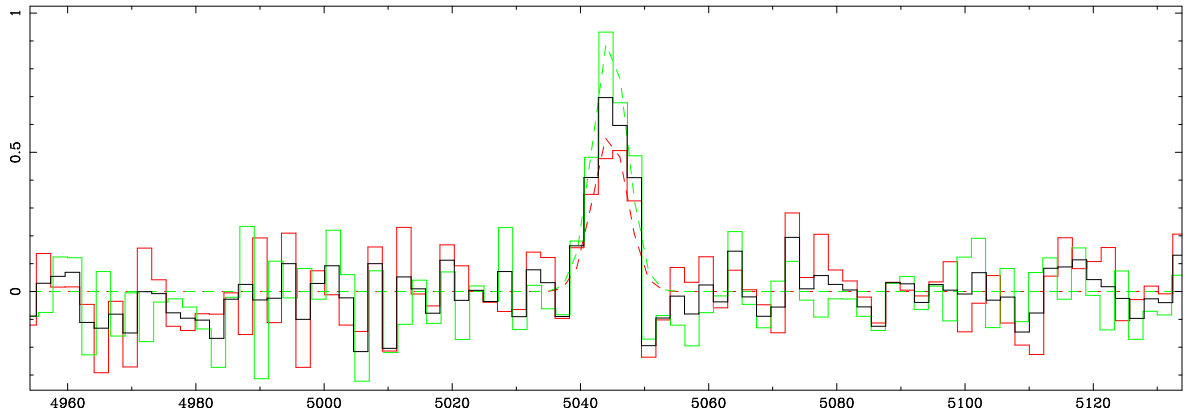
$\lambda_{obs} = 4632.58$Å

$EW_{obs} > 154.80$Å

$\alpha_{2000} = 150.1188°$

$\delta_{2000} = 2.2989°$





$S/N = 9.41$

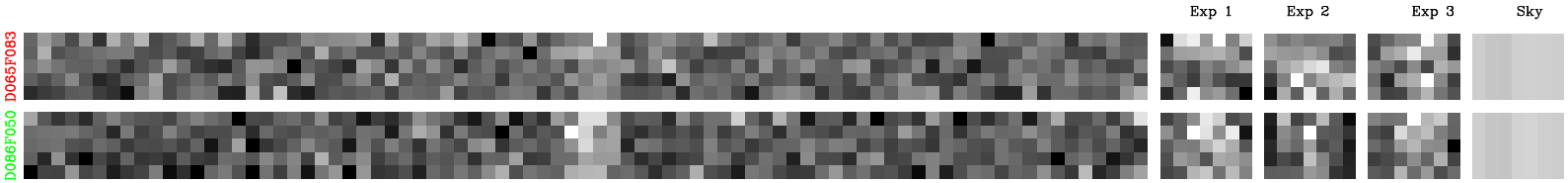
$FWHM_{obs} = 6.26Å$

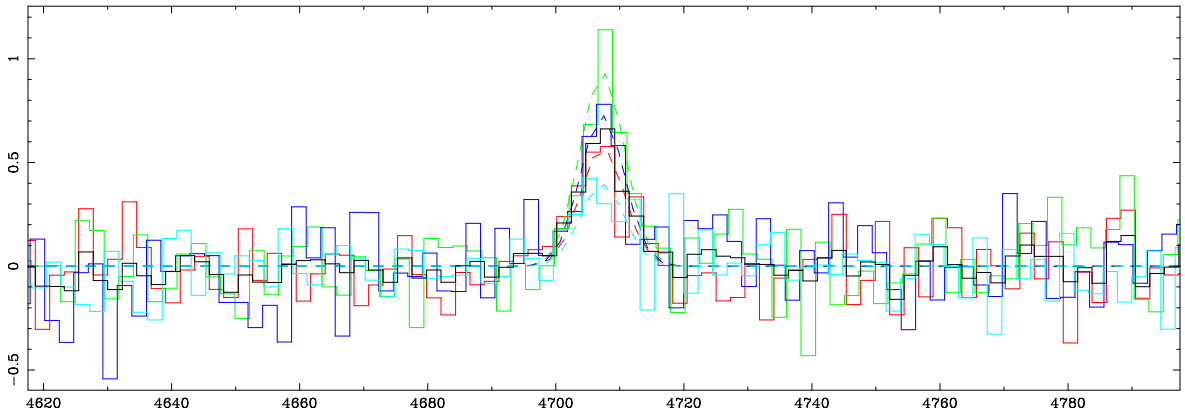
$\lambda_{obs} = 5044.62Å$

$EW_{obs} > 101.19Å$

$\alpha_{2000} = 150.1492°$

$\delta_{2000} = 2.3168°$





$S/N = 12.53$

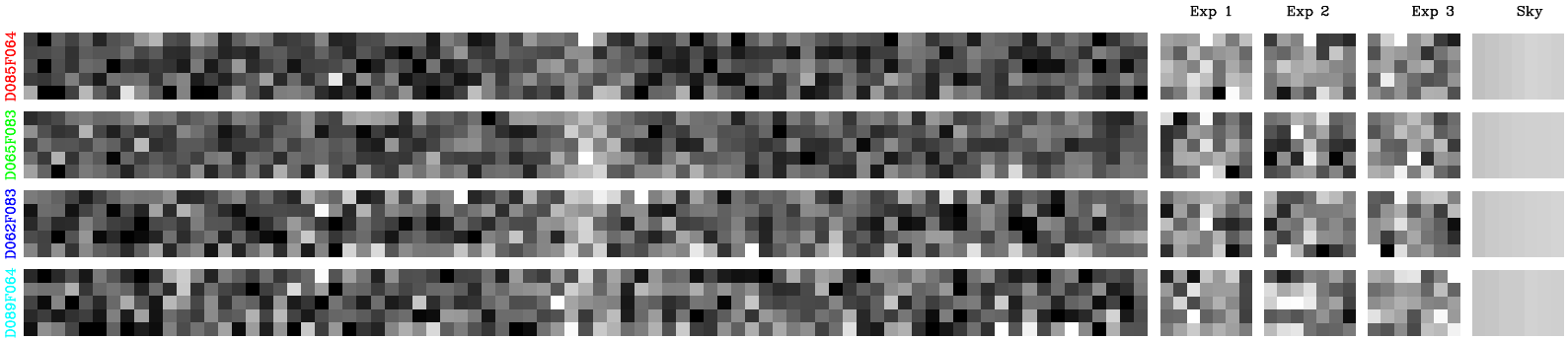
$FWHM_{obs} = 8.12Å$

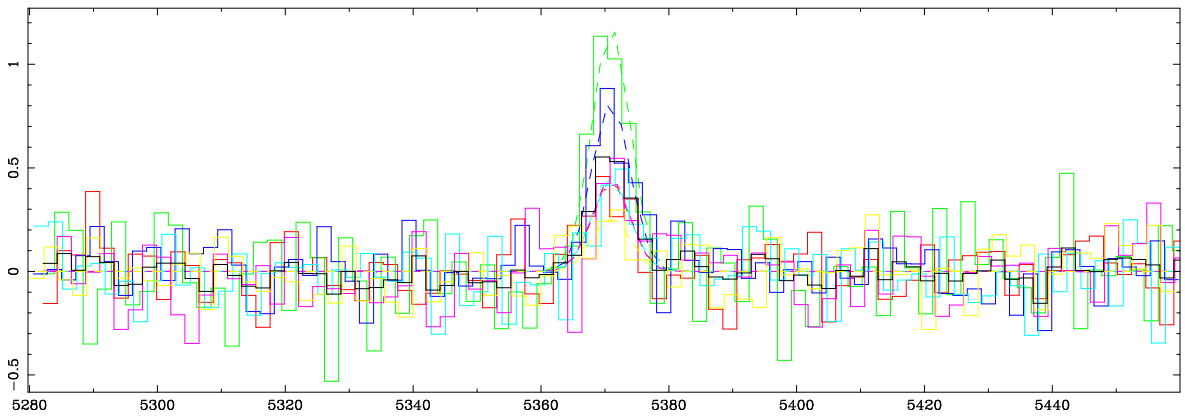
$\lambda_{obs} = 4707.26Å$

$EW_{obs} > 152.47Å$

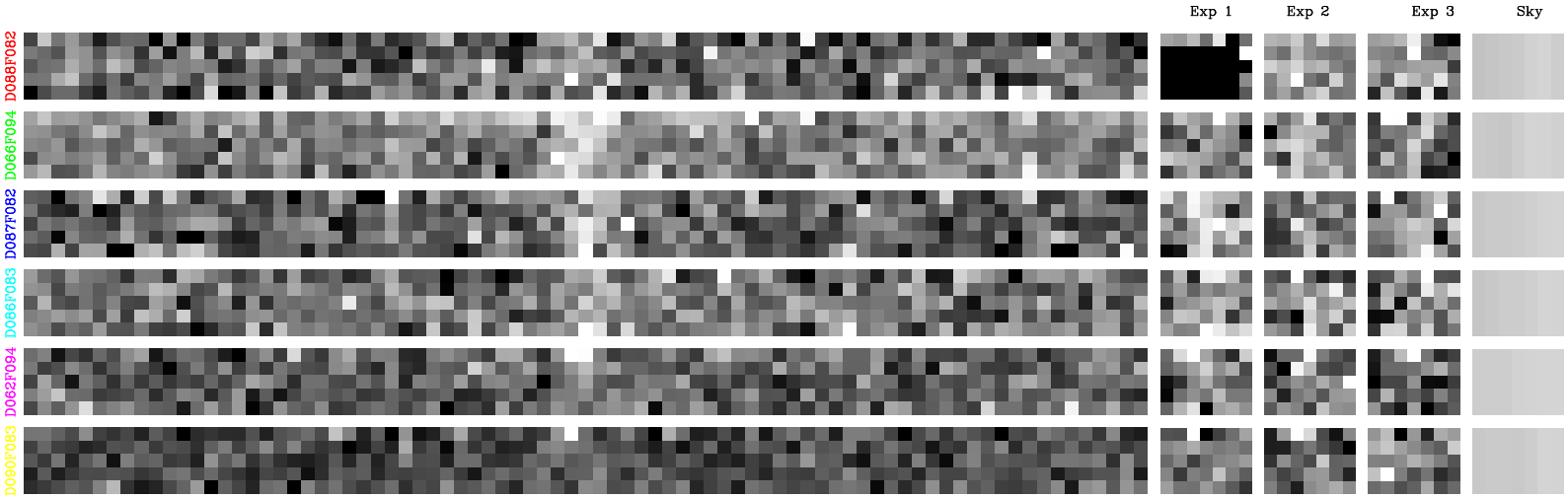
$\alpha_{2000} = 150.1490°$

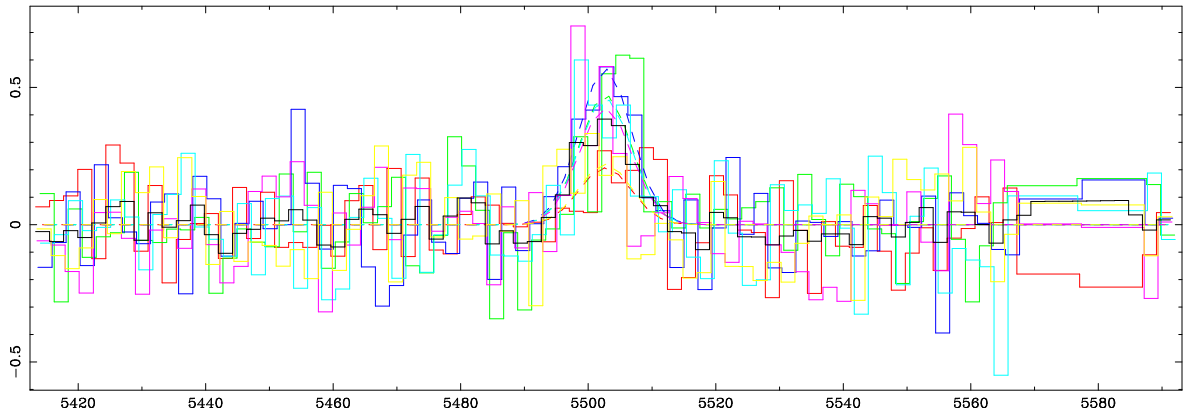
$\delta_{2000} = 2.3161°$



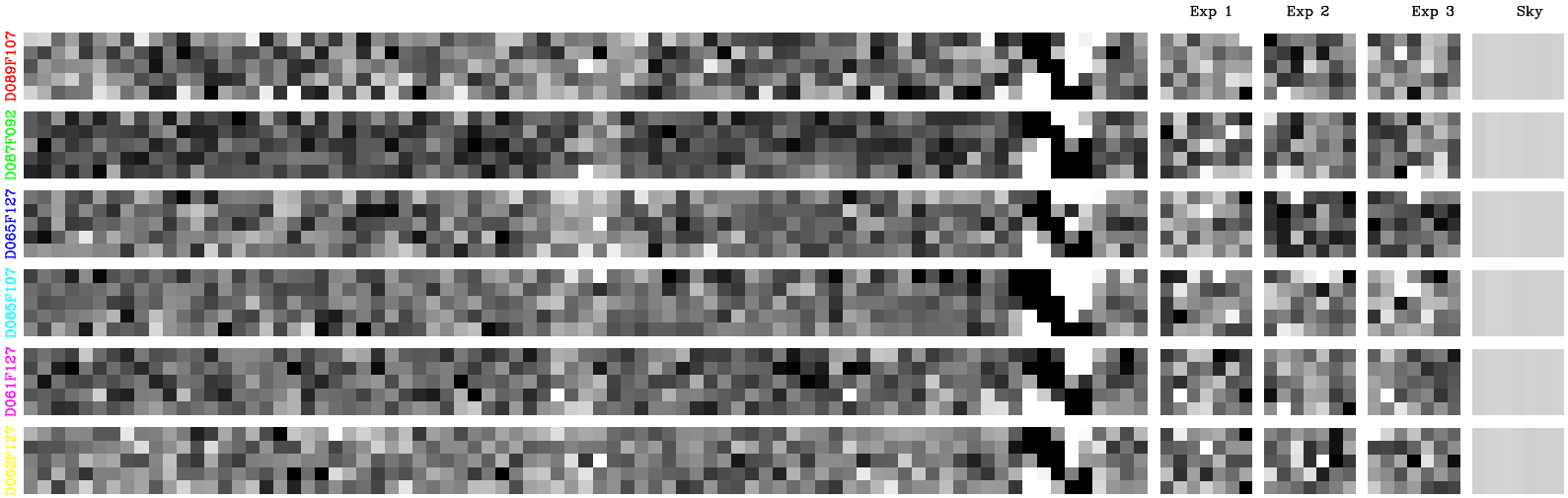


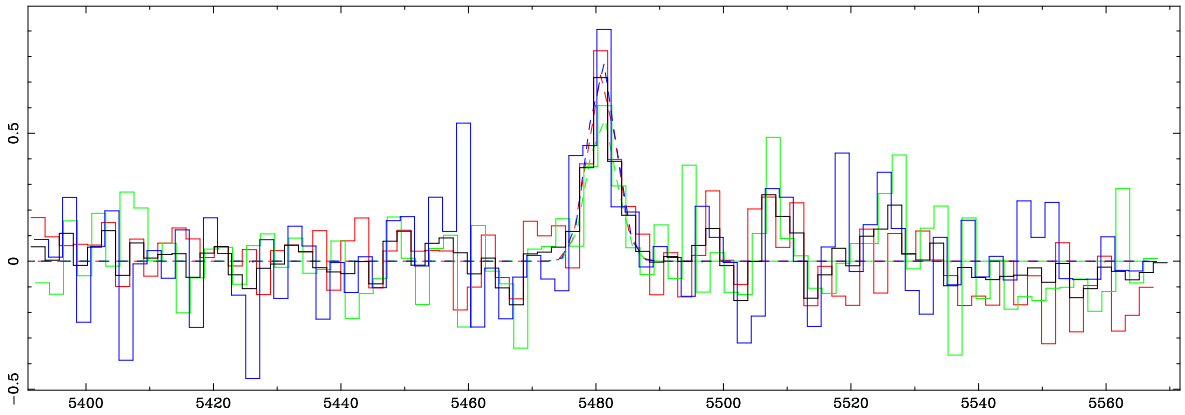
S/N = 13.47
$FWHM_{obs}$ = 7.01Å
λ_{obs} = 5370.96Å
EW_{obs} = 86.48Å
α_{2000} = 150.1566°
δ_{2000} = 2.3133°





S/N = 11.70
$FWHM_{obs}$ = 9.70Å
λ_{obs} = 5502.68Å
EW_{obs} = 24.38Å
α_{2000} = 150.1479°
δ_{2000} = 2.3108°





$S/N = 8.15$

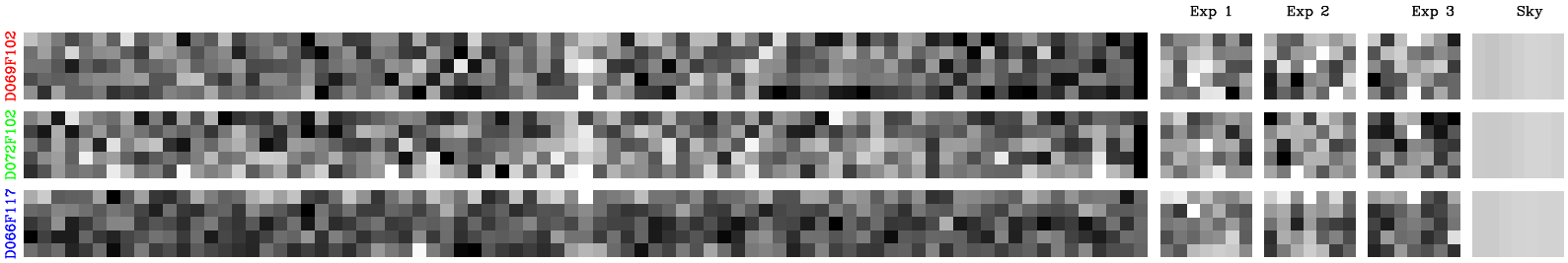
$FWHM_{obs} = 5.20$Å

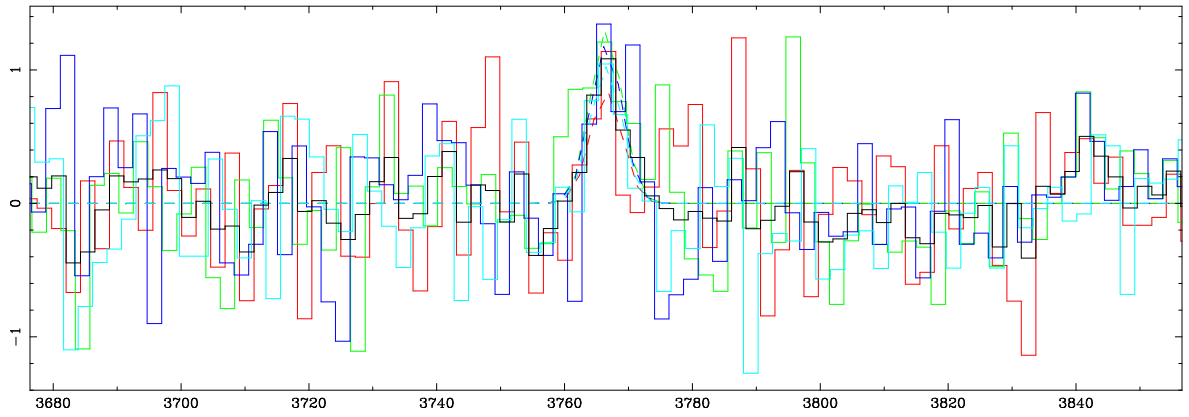
$\lambda_{obs} = 5480.95$Å

$EW_{obs} = 64.64$Å

$\alpha_{2000} = 150.1696°$

$\delta_{2000} = 2.3089°$





$S/N = 5.92$

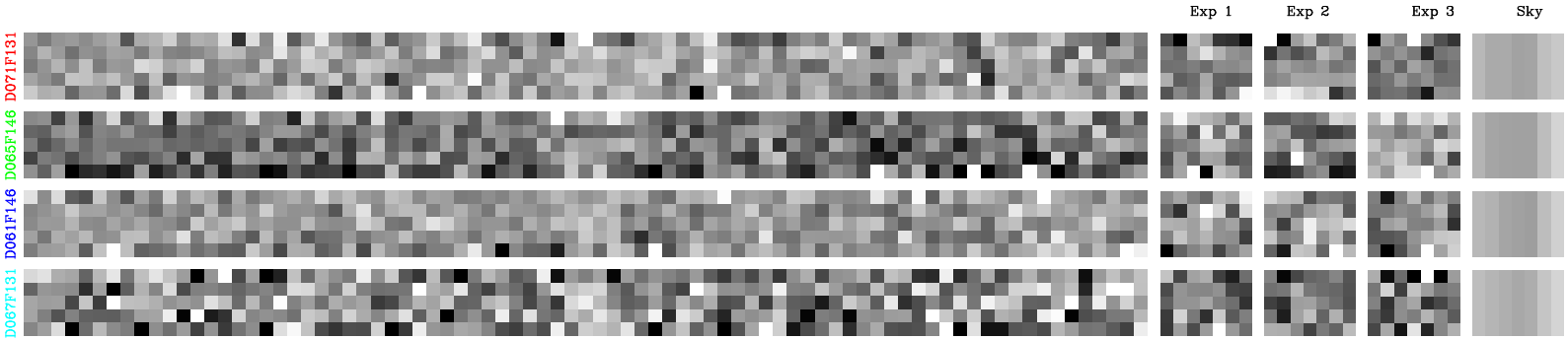
$FWHM_{obs} = 5.91Å$

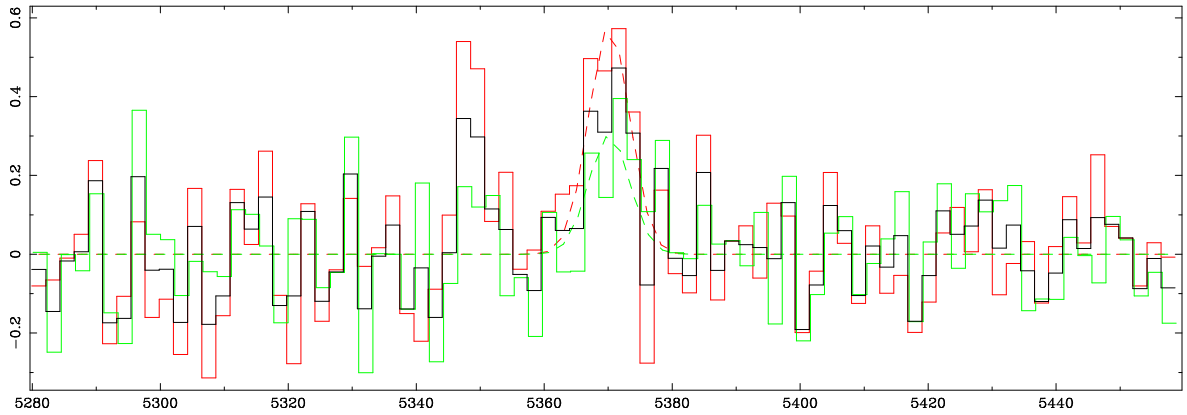
$\lambda_{obs} = 3766.51Å$

$EW_{obs} > 60.63Å$

$\alpha_{2000} = 150.1699°$

$\delta_{2000} = 2.3066°$





$S/N = 6.78$

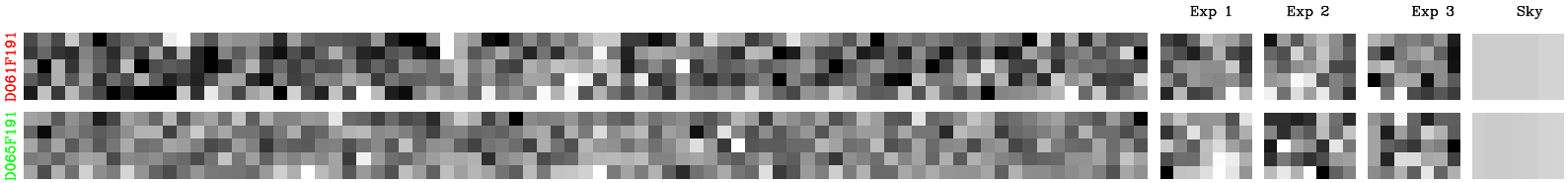
$FWHM_{obs} = 7.57Å$

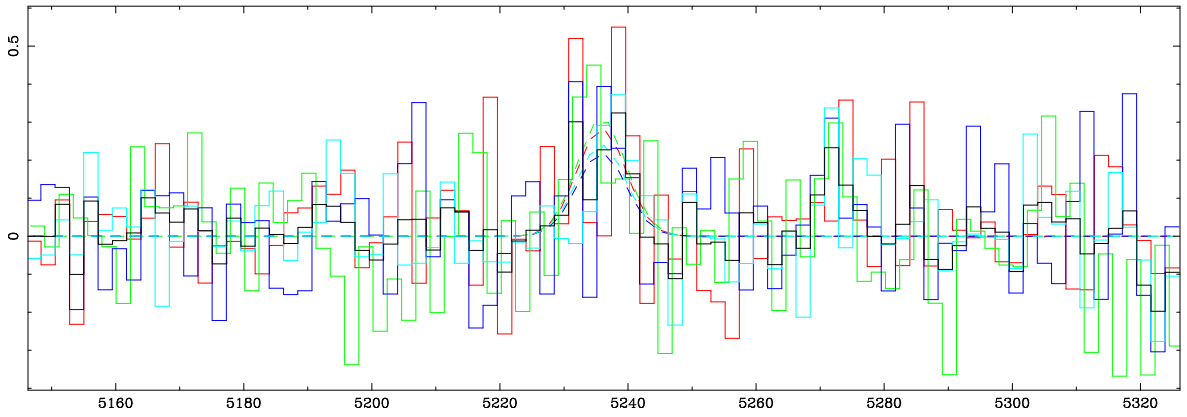
$\lambda_{obs} = 5370.16Å$

$EW_{obs} = 24.65Å$

$\alpha_{2000} = 150.1668°$

$\delta_{2000} = 2.3008°$





S/N = 6.37

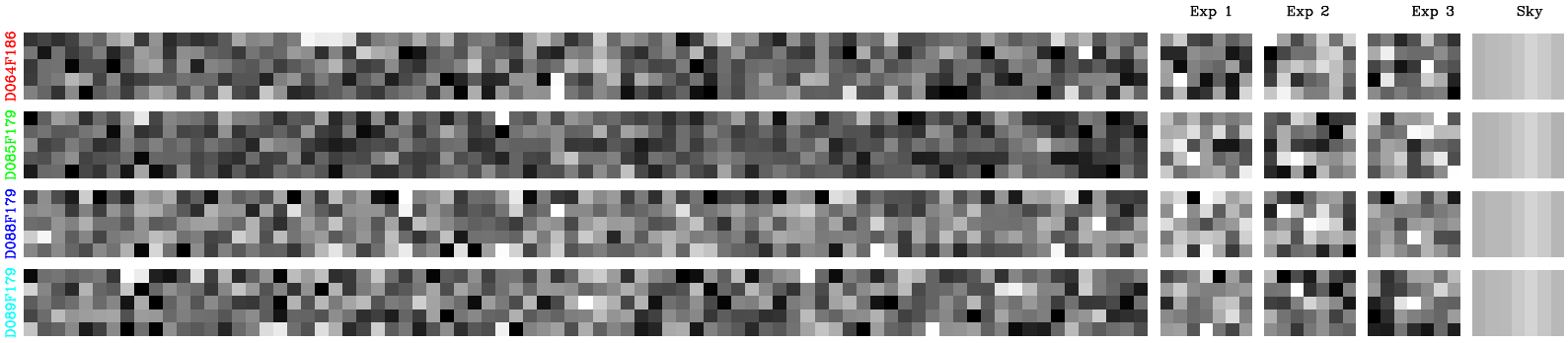
$FWHM_{obs}$ = 9.04Å

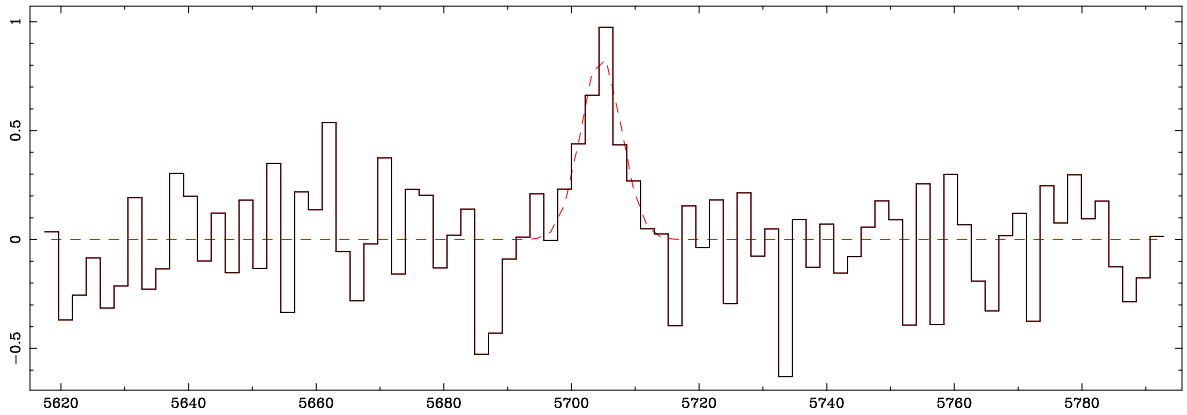
λ_{obs} = 5235.86Å

EW_{obs} > 82.86Å

α_{2000} = 150.1469°

δ_{2000} = 2.3020°





$S/N = 5.93$

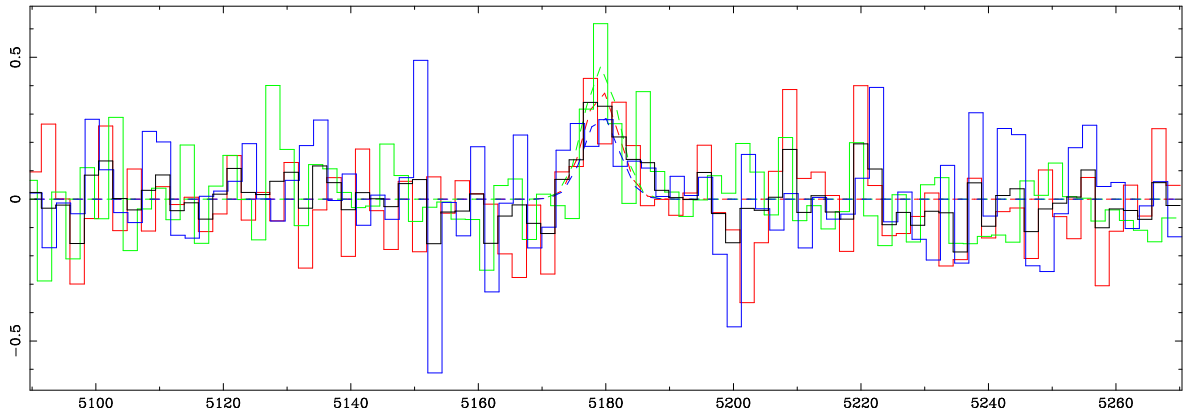
$FWHM_{obs} = 7.37Å$

$\lambda_{obs} = 5704.66Å$

$EW_{obs} > 69.42Å$

$\alpha_{2000} = 150.1687°$

$\delta_{2000} = 2.3148°$



$S/N = 6.72$

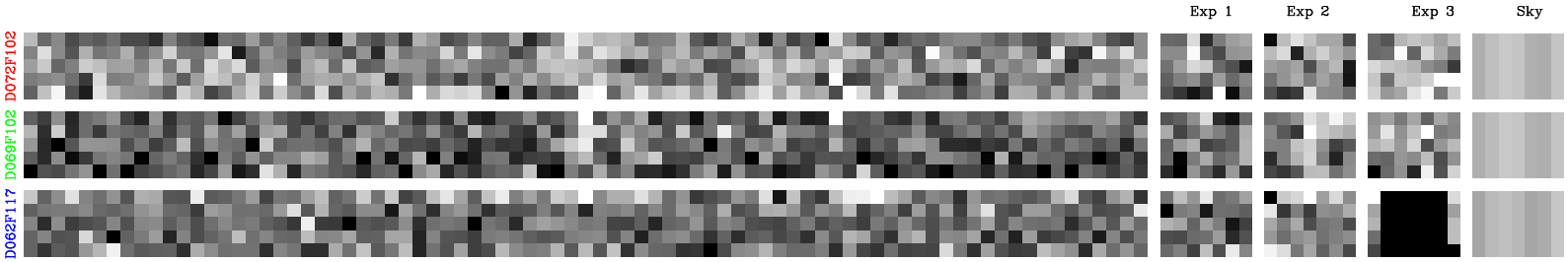
$FWHM_{obs} = 6.40$Å

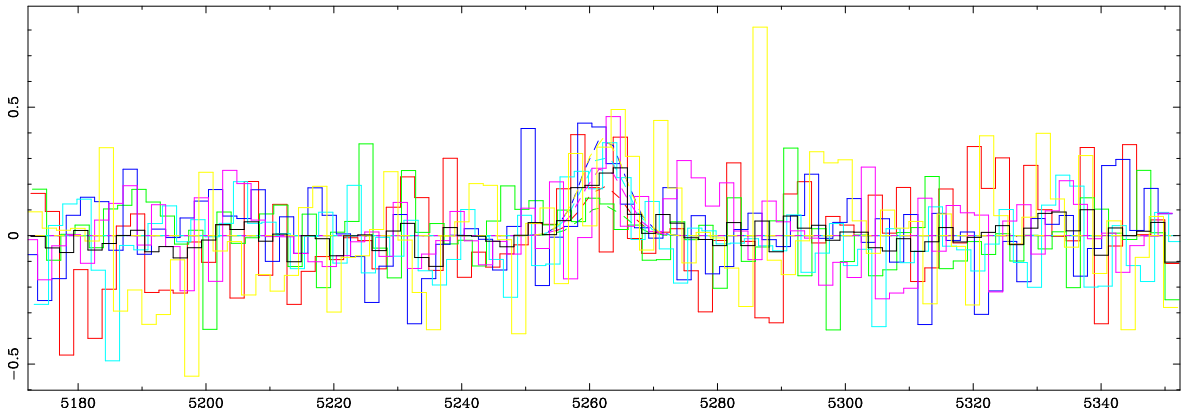
$\lambda_{obs} = 5179.26$Å

$EW_{obs} > 73.82$Å

$\alpha_{2000} = 150.1696°$

$\delta_{2000} = 2.3090°$





$S/N = 6.84$

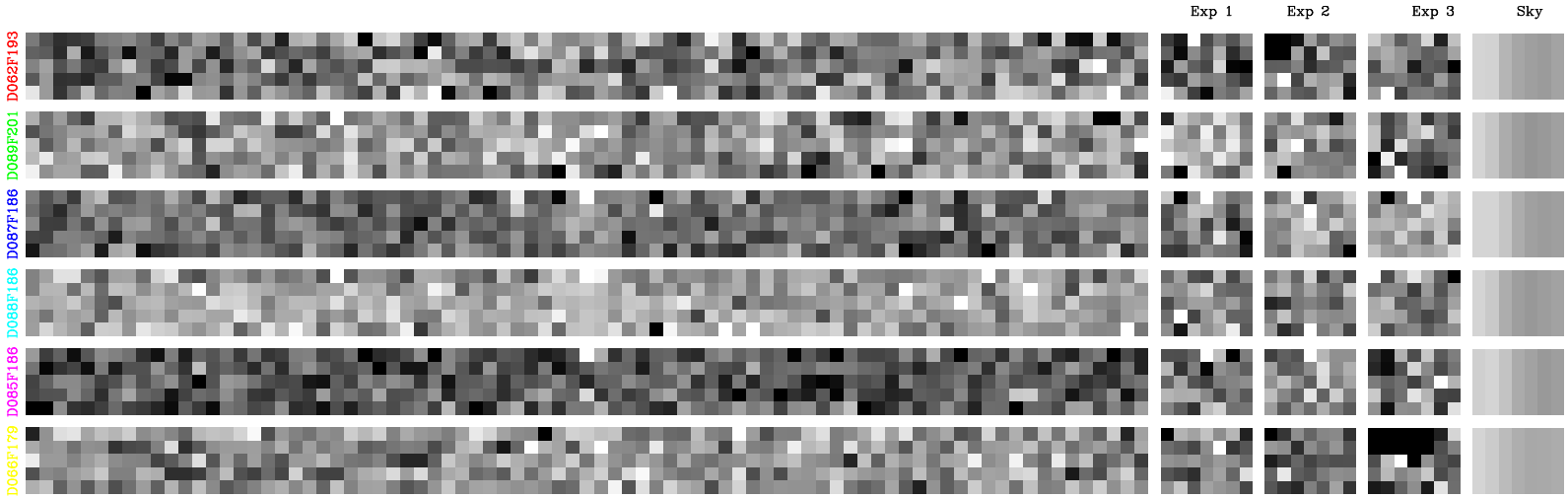
$FWHM_{obs} = 7.82Å$

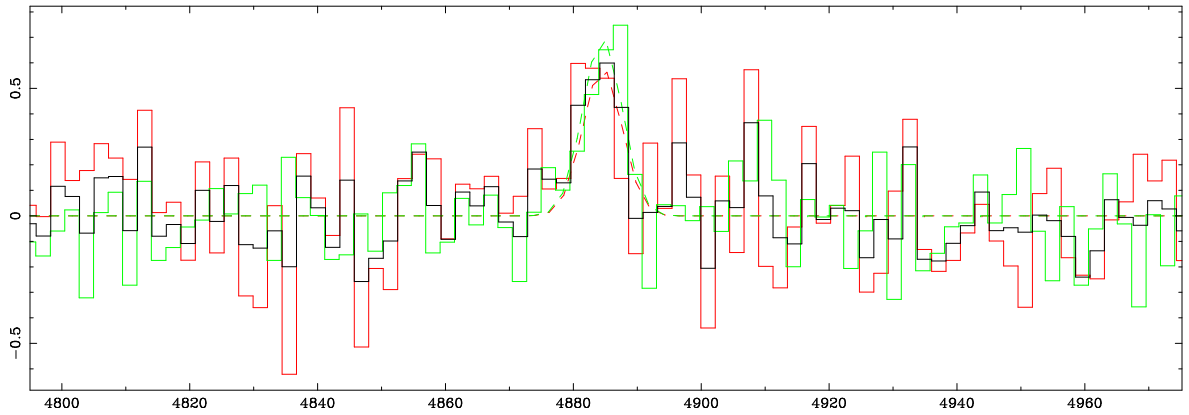
$\lambda_{obs} = 5262.24Å$

$EW_{obs} > 76.43Å$

$\alpha_{2000} = 150.1611°$

$\delta_{2000} = 2.3011°$





$S/N = 6.76$

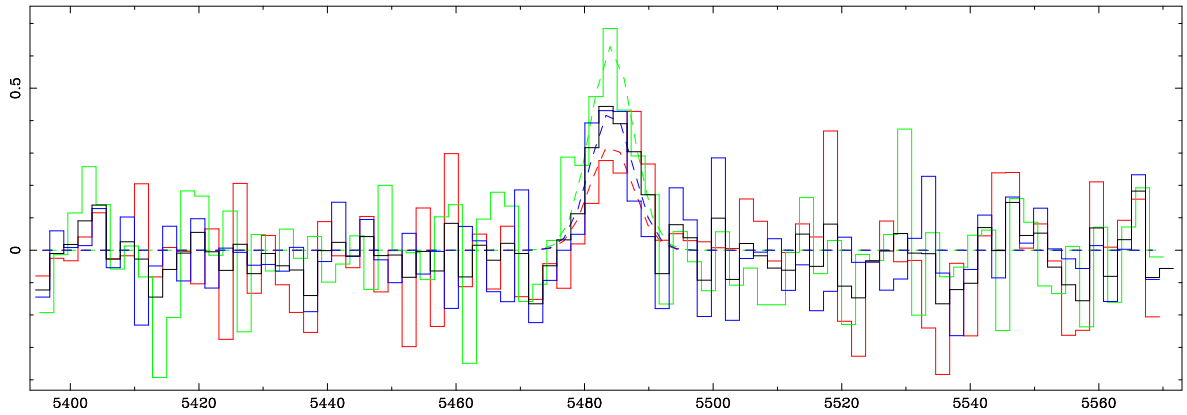
$FWHM_{obs} = 7.17Å$

$\lambda_{obs} = 4884.54Å$

$EW_{obs} > 75.76Å$

$\alpha_{2000} = 150.1698°$

$\delta_{2000} = 2.3089°$



S/N = 9.24

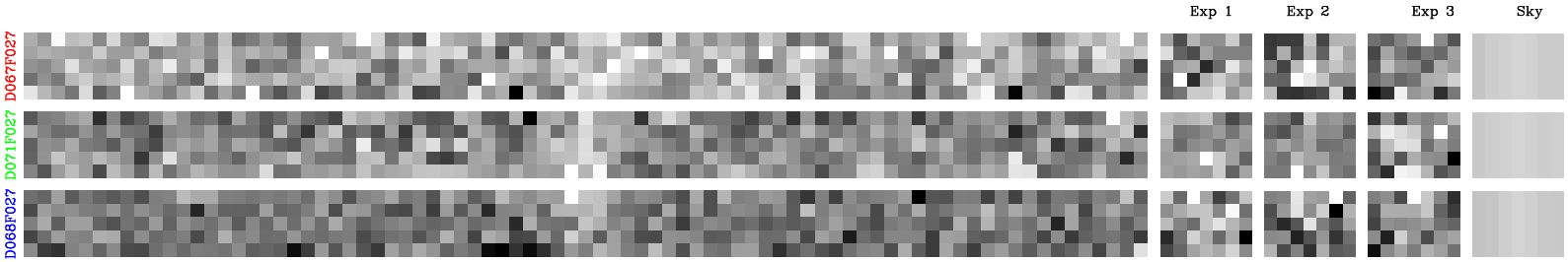
$FWHM_{obs}$ = 7.88Å

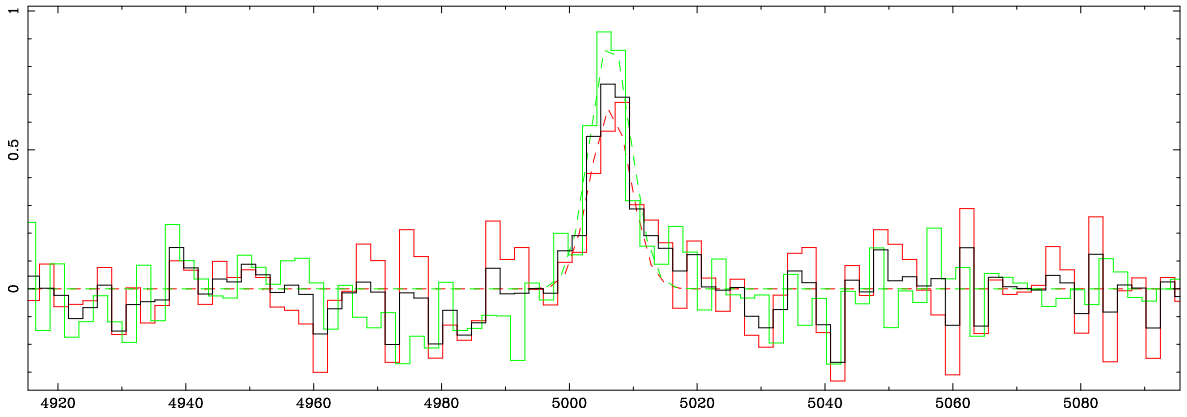
λ_{obs} = 5484.19Å

EW_{obs} > 107.00Å

α_{2000} = 150.1940°

δ_{2000} = 2.3201°





S/N = 11.42

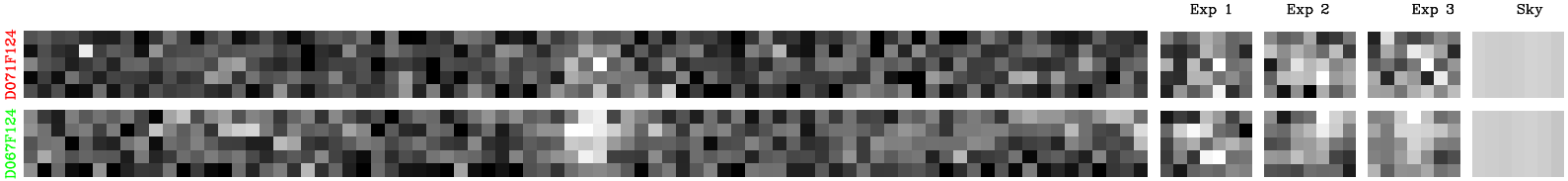
$FWHM_{obs}$ = 7.46Å

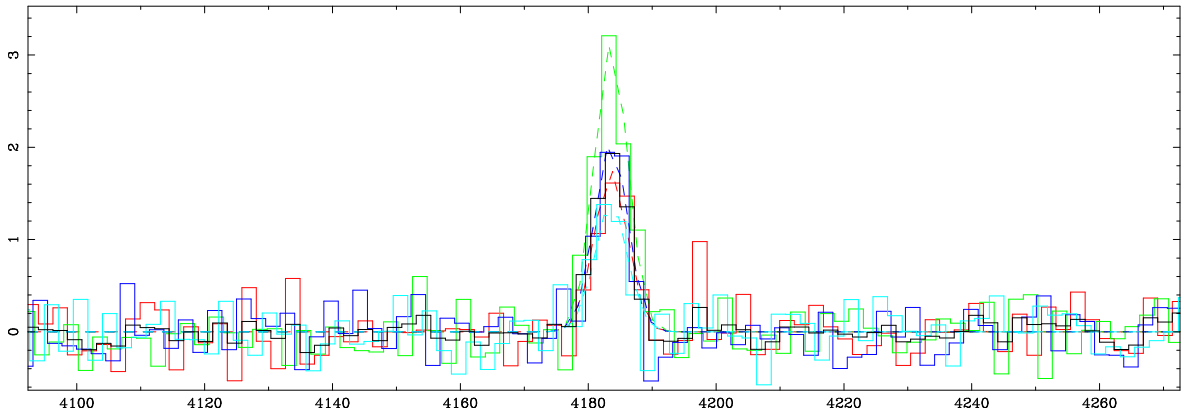
λ_{obs} = 5006.43Å

EW_{obs} = 42.16Å

α_{2000} = 150.1850°

δ_{2000} = 2.3080°





S/N = 19.60

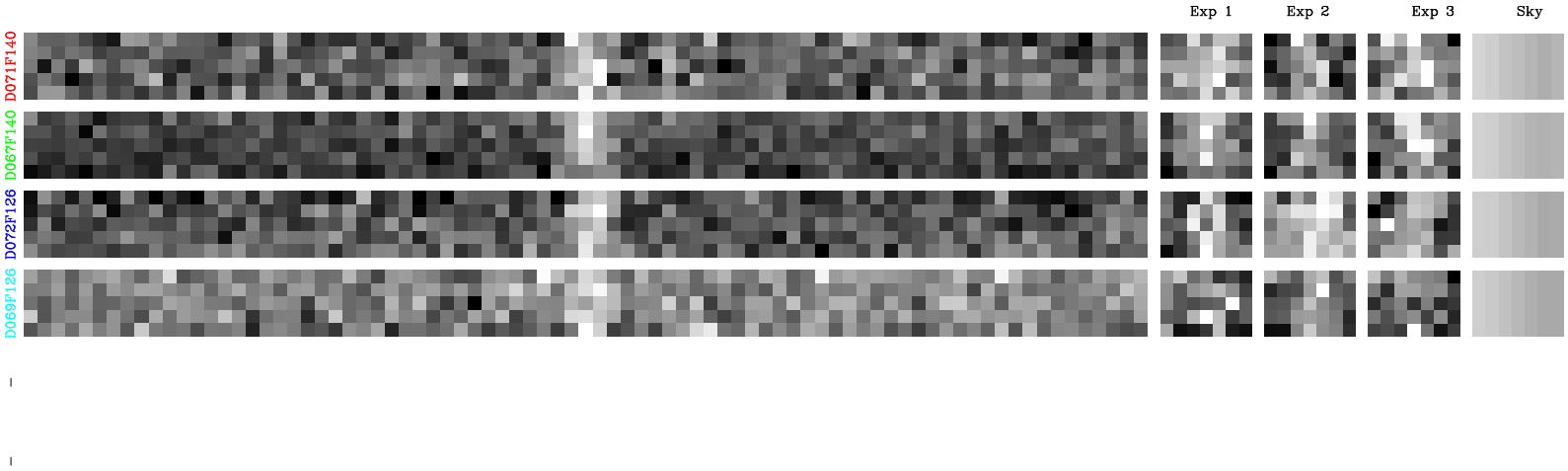
$FWHM_{obs}$ = 6.05Å

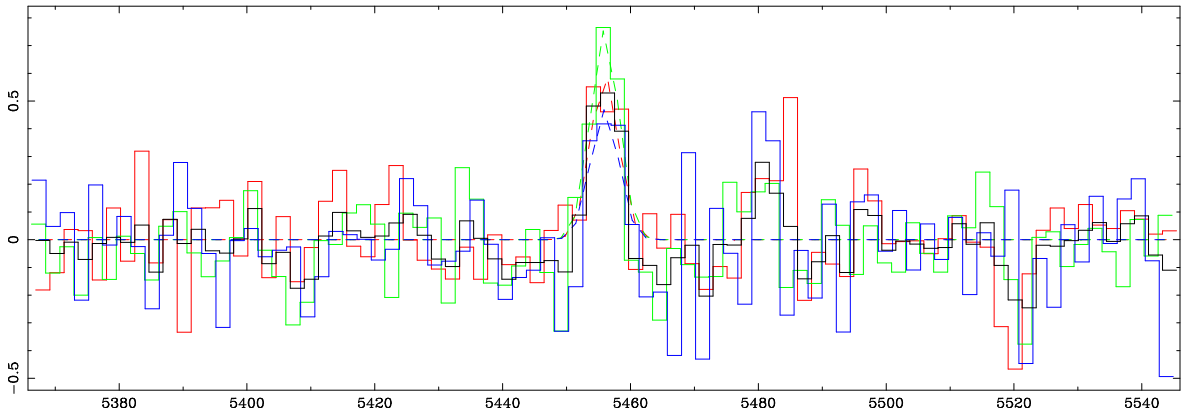
λ_{obs} = 4183.56Å

EW_{obs} = 30.52Å

α_{2000} = 150.1884°

δ_{2000} = 2.3065°





S/N = 7.23

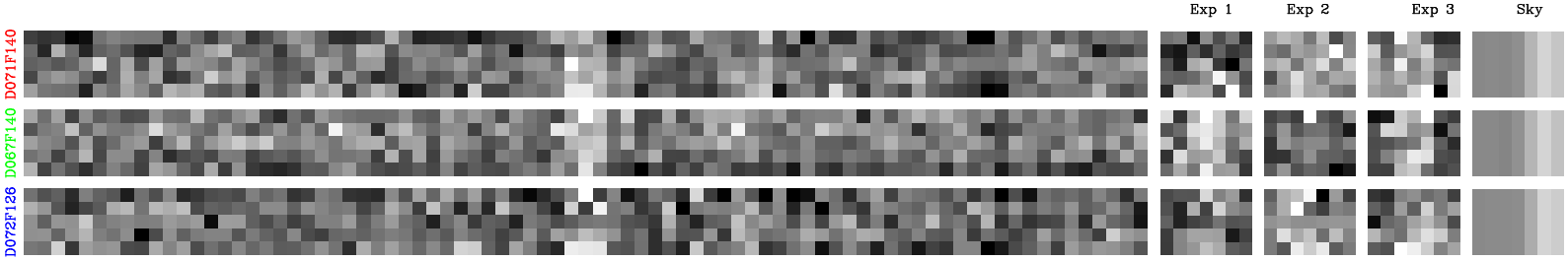
$FWHM_{obs}$ = 5.20Å

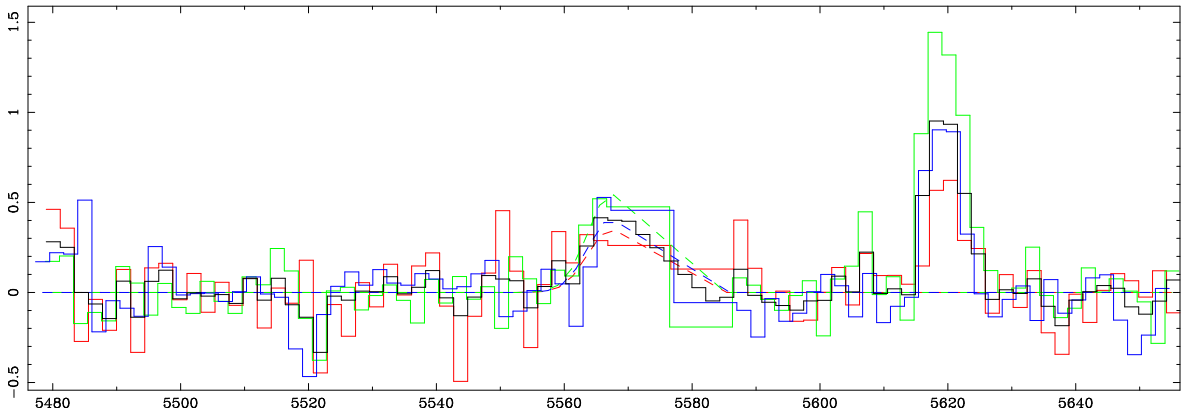
λ_{obs} = 5455.95Å

EW_{obs} = 6.24Å

α_{2000} = 150.1881°

δ_{2000} = 2.3063°





$S/N = 5.64$

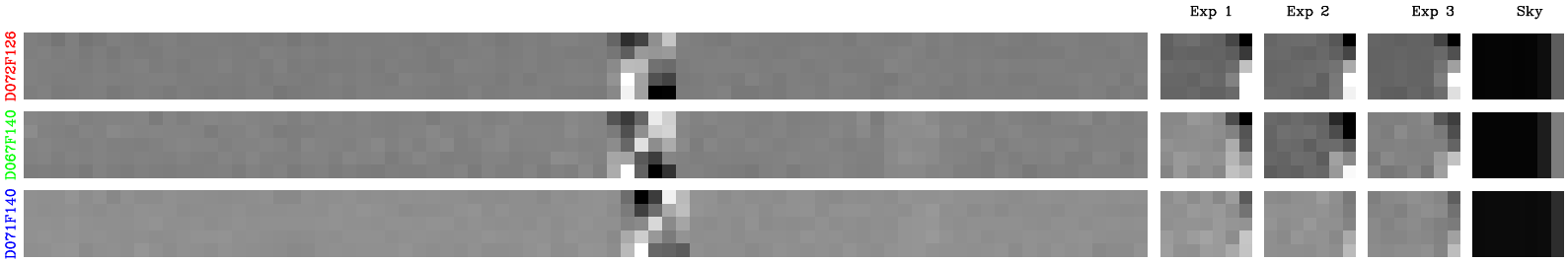
$FWHM_{obs} = 8.56Å$

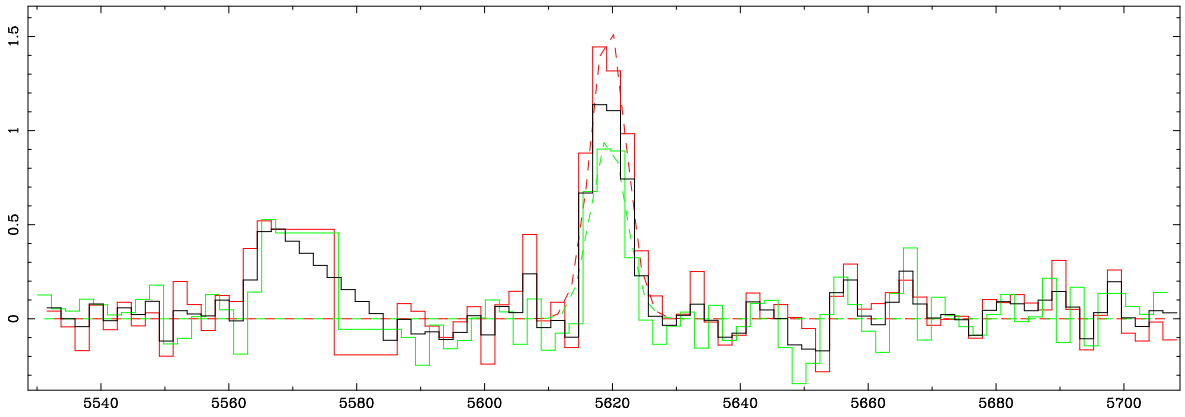
$\lambda_{obs} = 5567.31Å$

$EW_{obs} = 6.06Å$

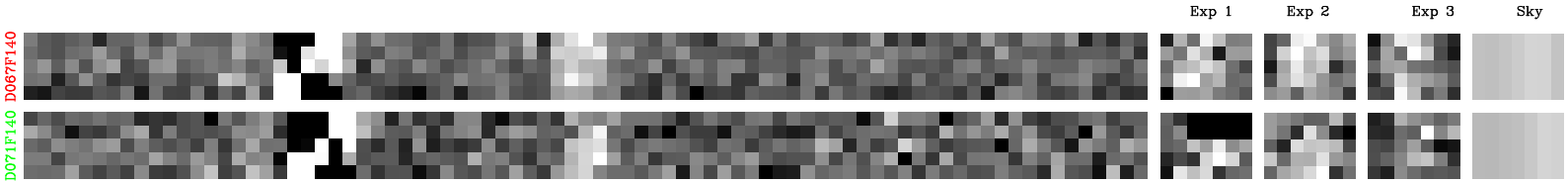
$\alpha_{2000} = 150.1882°$

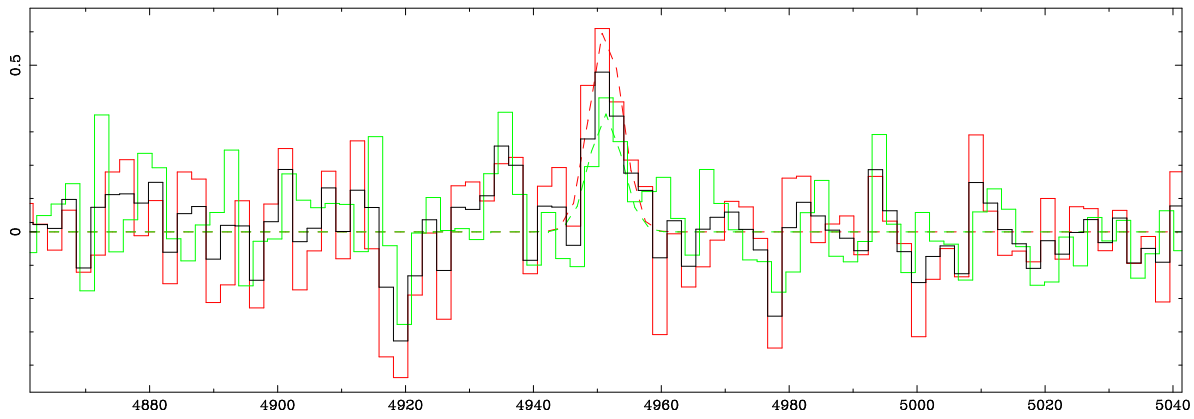
$\delta_{2000} = 2.3063°$





S/N = 15.28
$FWHM_{obs}$ = 6.44Å
λ_{obs} = 5619.37Å
EW_{obs} = 17.01Å
α_{2000} = 150.1880°
δ_{2000} = 2.3061°





$S/N = 6.46$

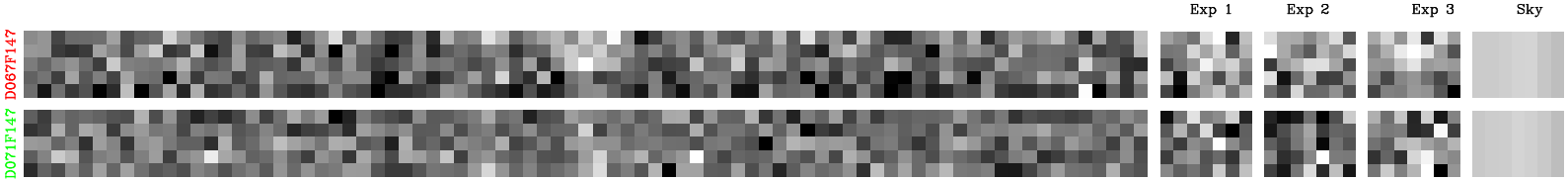
$FWHM_{obs} = 6.01Å$

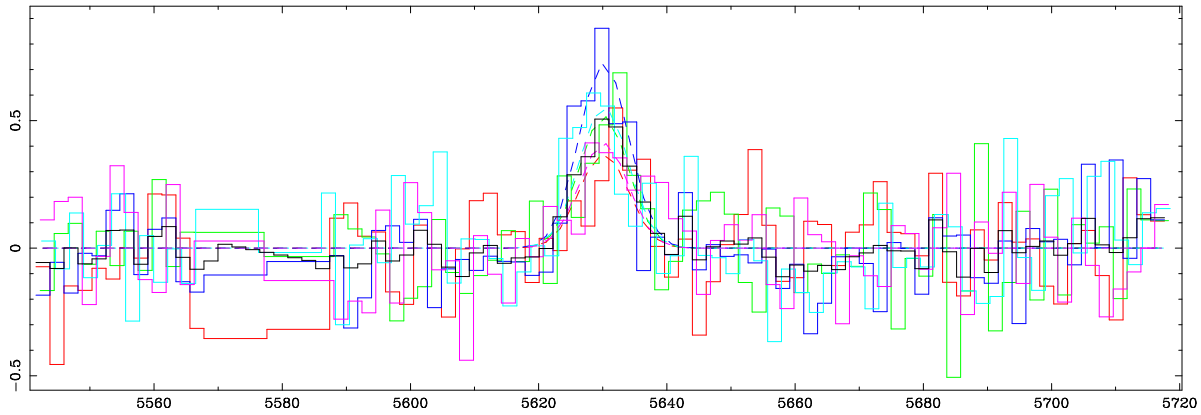
$\lambda_{obs} = 4951.32Å$

$EW_{obs} > 64.70Å$

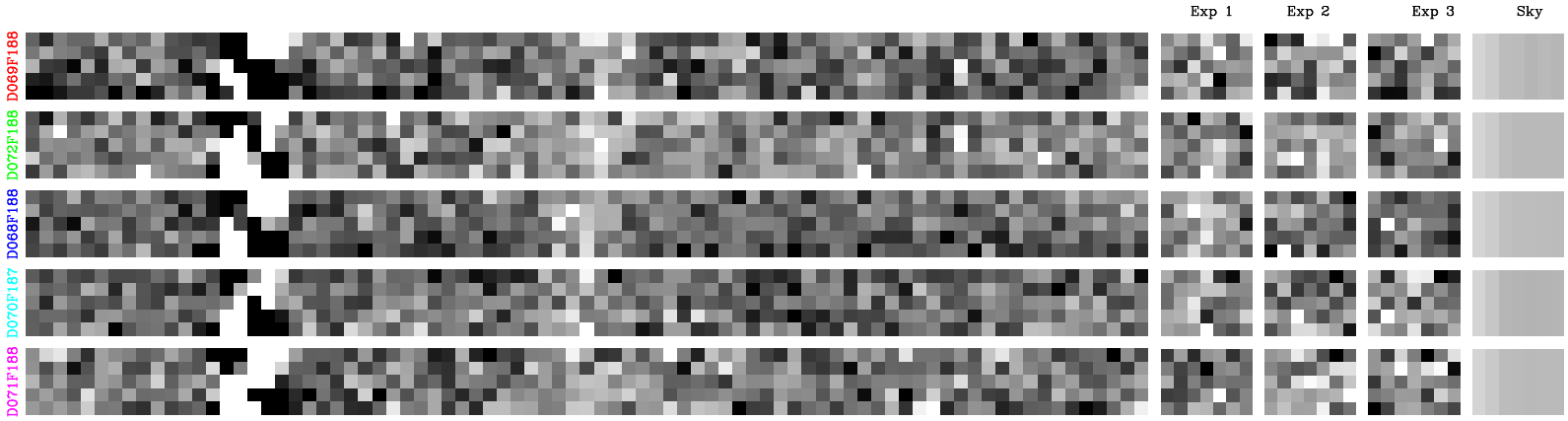
$\alpha_{2000} = 150.1727°$

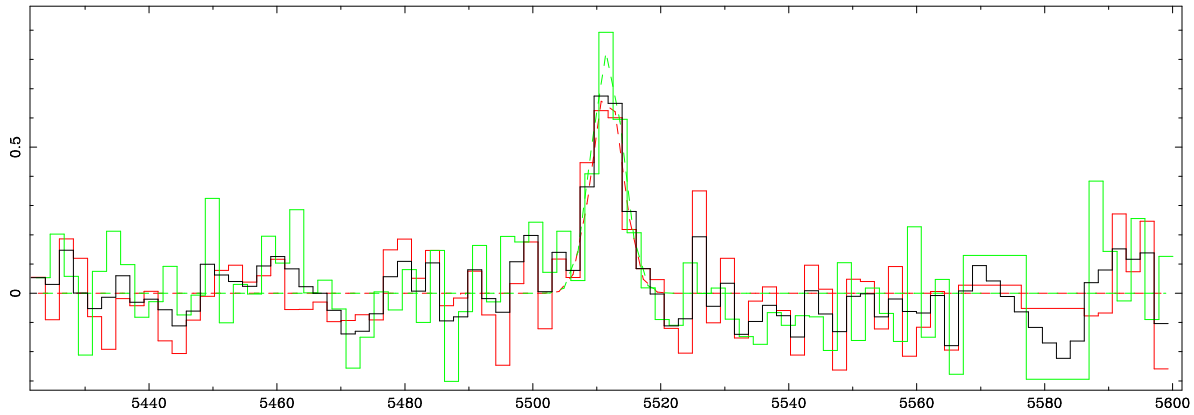
$\delta_{2000} = 2.3046°$





S/N = 12.57
$FWHM_{obs}$ = 9.05Å
λ_{obs} = 5630.16Å
EW_{obs} = 30.48Å
α_{2000} = 150.1965°
δ_{2000} = 2.3000°





$S/N = 9.18$

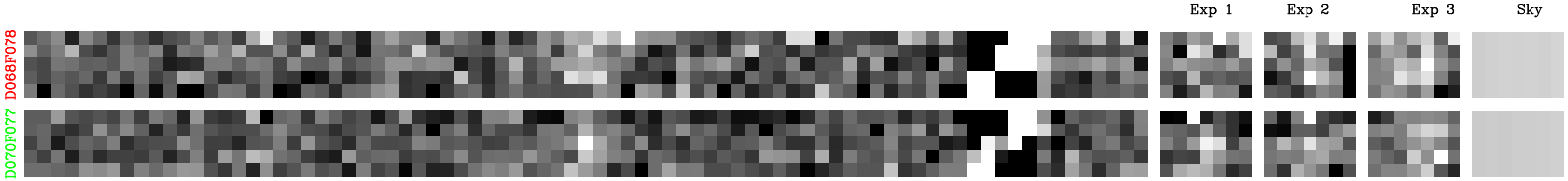
$FWHM_{obs} = 5.72Å$

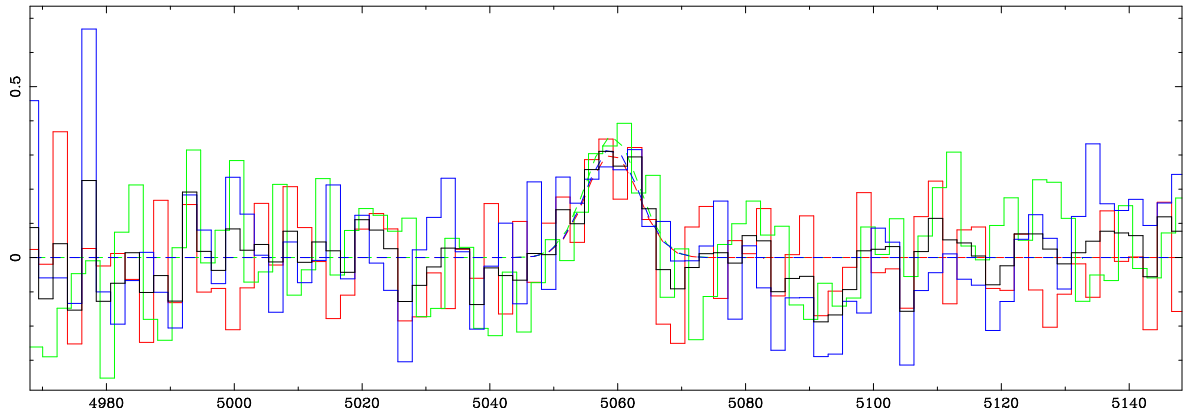
$\lambda_{obs} = 5511.61Å$

$EW_{obs} = 67.13Å$

$\alpha_{2000} = 150.1788°$

$\delta_{2000} = 2.3128°$





$S/N = 7.51$

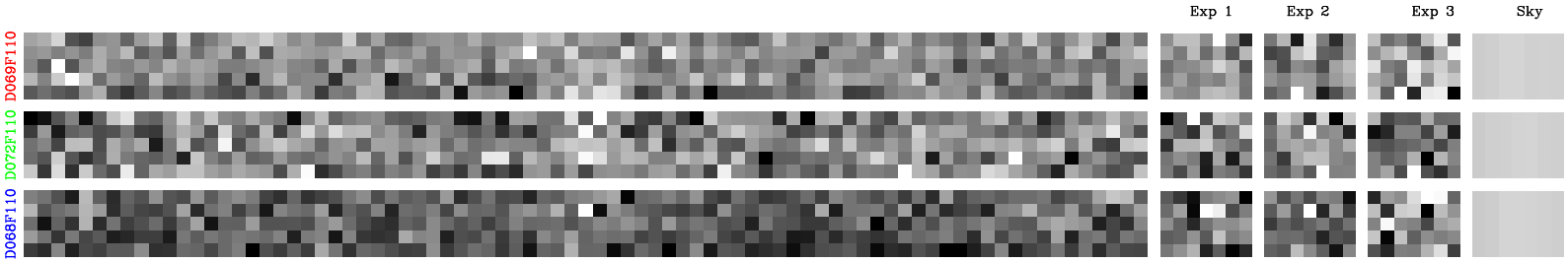
$FWHM_{obs} = 9.62Å$

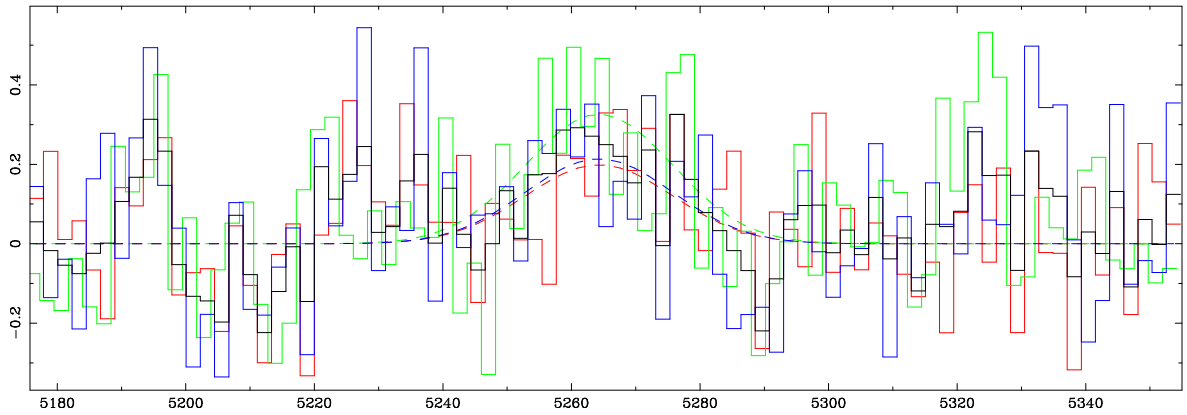
$\lambda_{obs} = 5059.11Å$

$EW_{obs} = 63.06Å$

$\alpha_{2000} = 150.1857°$

$\delta_{2000} = 2.3088°$





S/N = 6.62

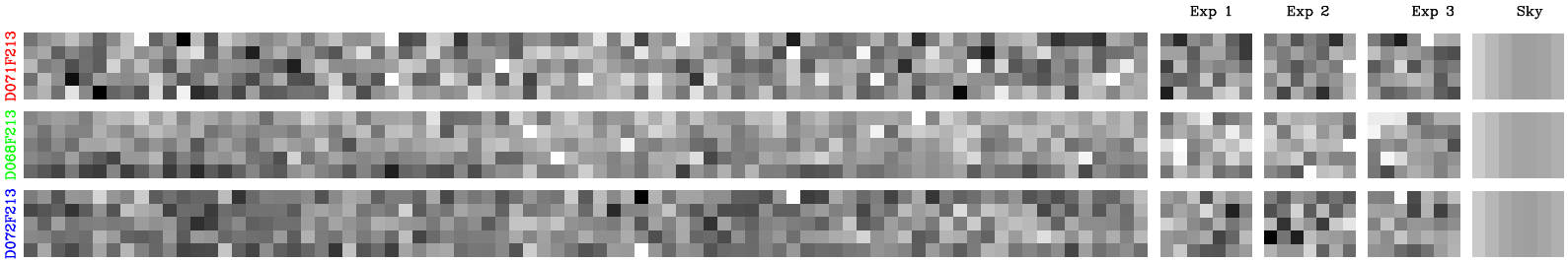
$FWHM_{obs}$ = 27.02Å

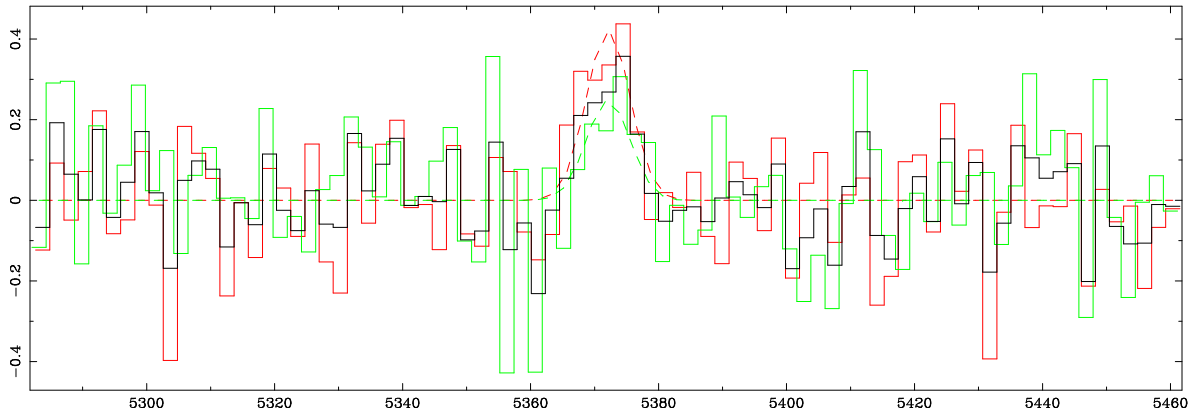
λ_{obs} = 5264.30Å

EW_{obs} = 6.15Å

α_{2000} = 150.1883°

δ_{2000} = 2.2967°





S/N = 5.63

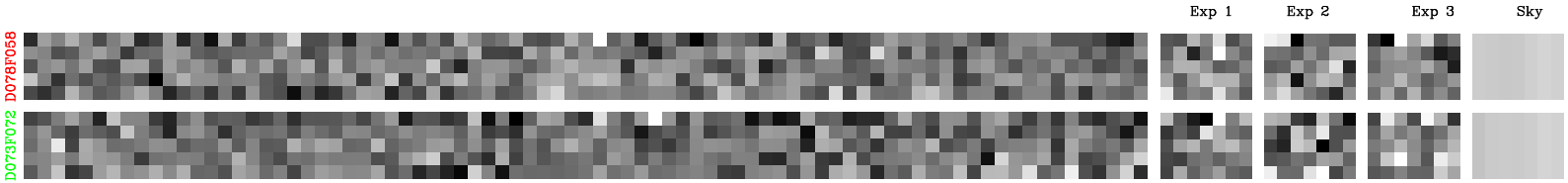
$FWHM_{obs}$ = 8.03Å

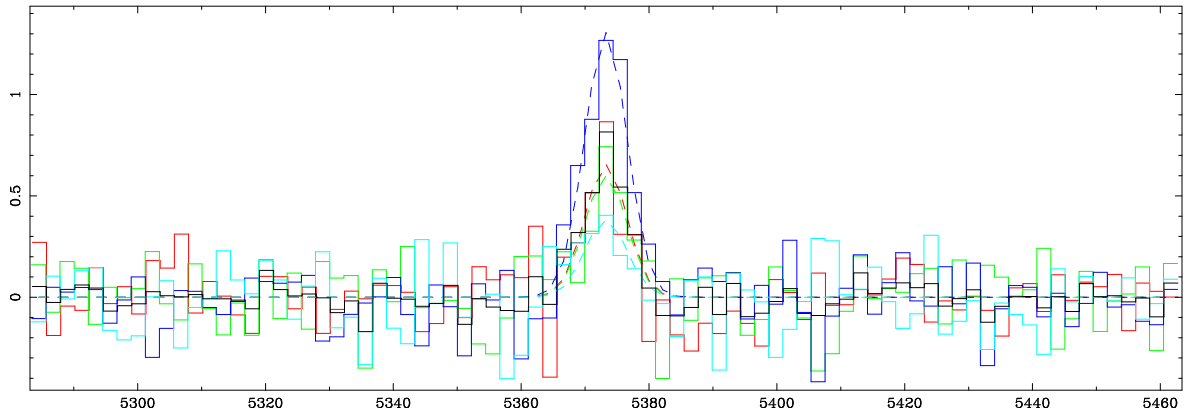
λ_{obs} = 5372.14Å

EW_{obs} > 69.31Å

α_{2000} = 150.1976°

δ_{2000} = 2.2884°





$S/N = 15.04$

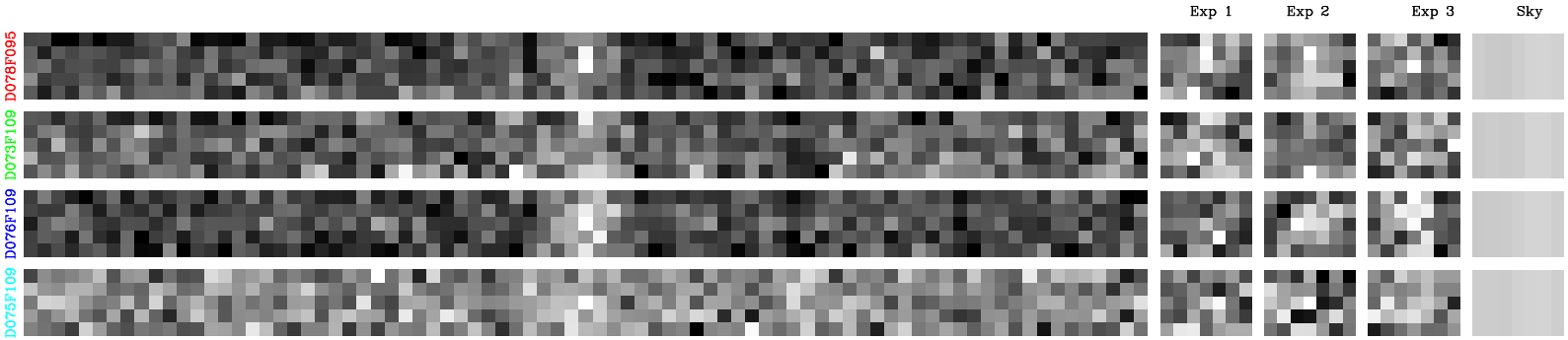
$FWHM_{obs} = 7.81Å$

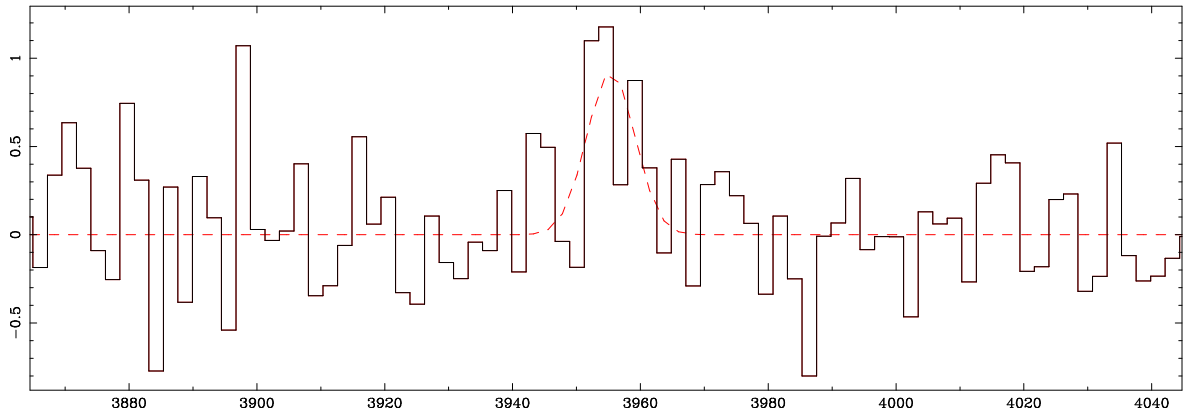
$\lambda_{obs} = 5373.25Å$

$EW_{obs} = 40.98Å$

$\alpha_{2000} = 150.1843°$

$\delta_{2000} = 2.2826°$





S/N = 5.10

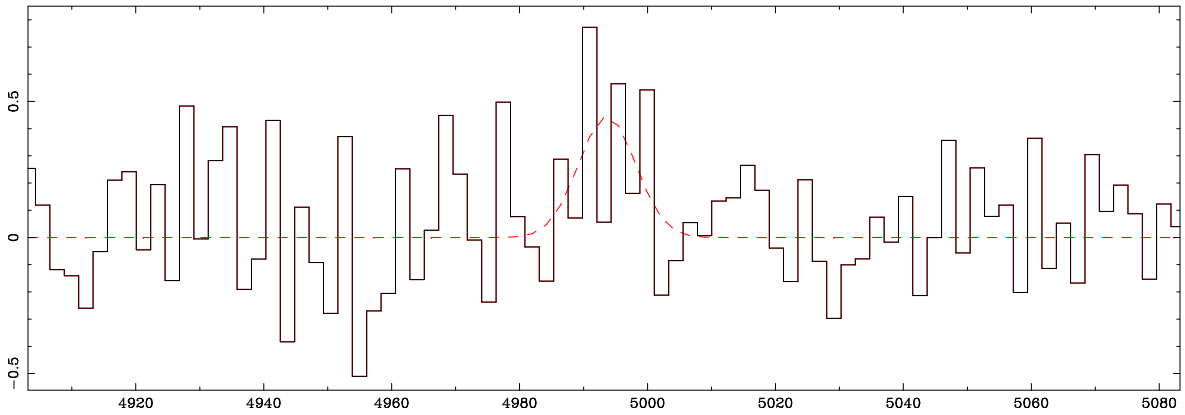
$FWHM_{obs}$ = 8.80Å

λ_{obs} = 3955.39Å

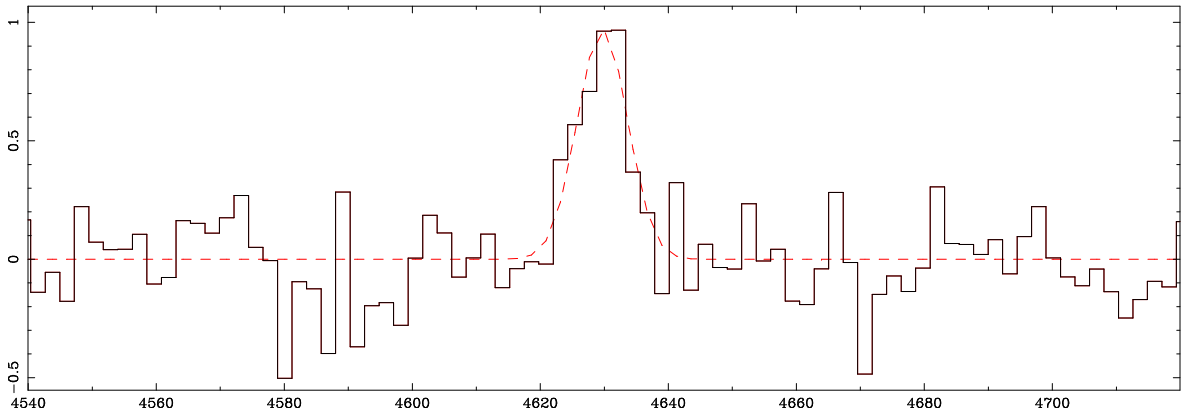
EW_{obs} > 61.98Å

α_{2000} = 150.1904°

δ_{2000} = 2.2830°



S/N = 5.41
$FWHM_{obs}$ = 10.51Å
λ_{obs} = 4993.67Å
EW_{obs} = 15.32Å
α_{2000} = 150.1851°
δ_{2000} = 2.2776°



S/N = 9.12

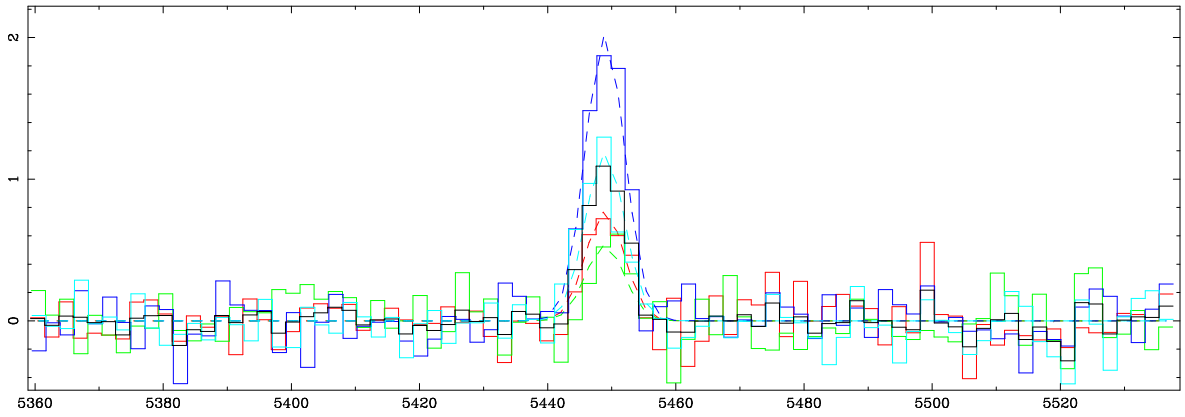
$FWHM_{obs}$ = 9.24Å

λ_{obs} = 4629.71Å

EW_{obs} > 125.30Å

α_{2000} = 150.1782°

δ_{2000} = 2.2753°



S/N = 20.45

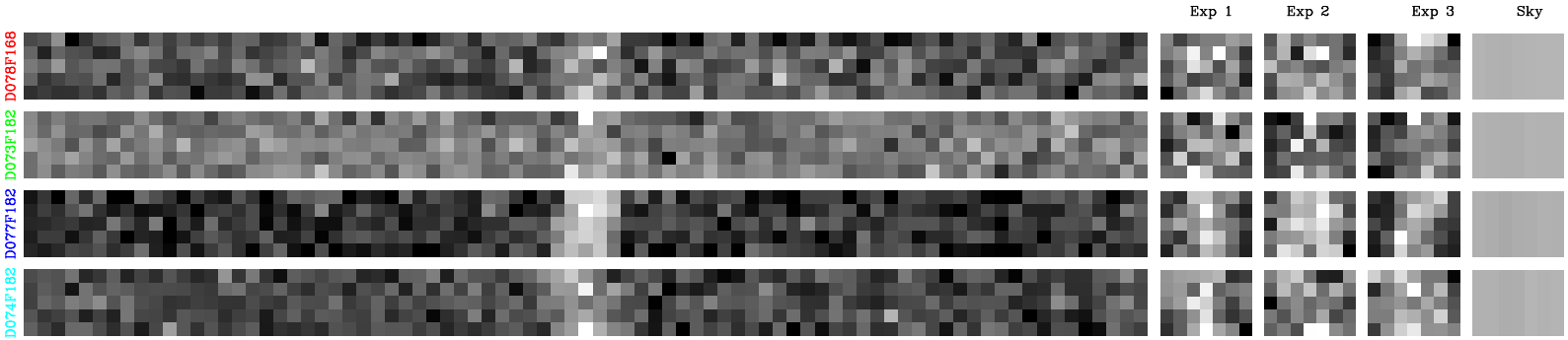
$FWHM_{obs}$ = 7.14Å

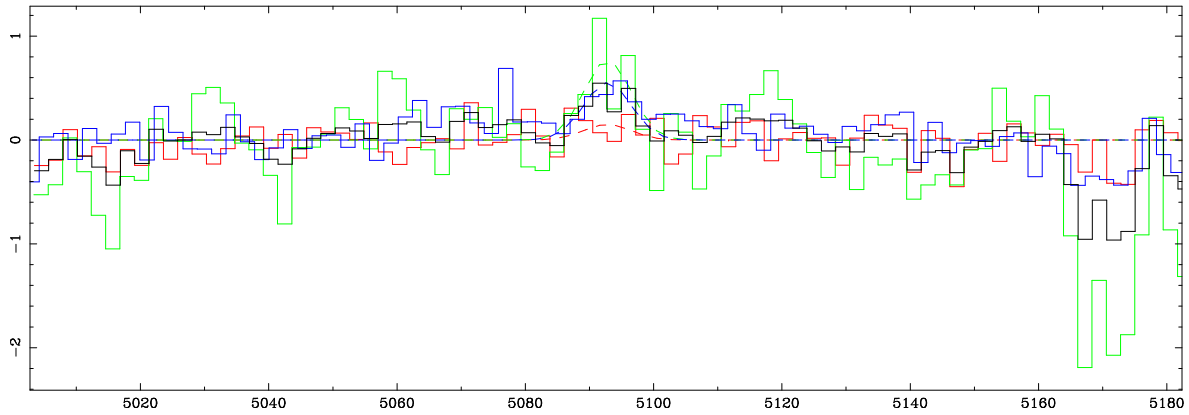
λ_{obs} = 5448.94Å

EW_{obs} = 50.85Å

α_{2000} = 150.1845°

δ_{2000} = 2.2739°





$S/N = 7.39$

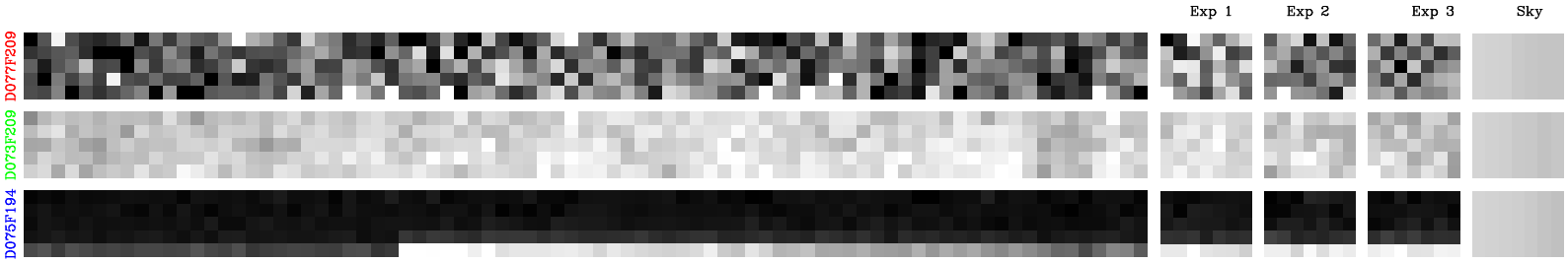
$FWHM_{obs} = 8.71Å$

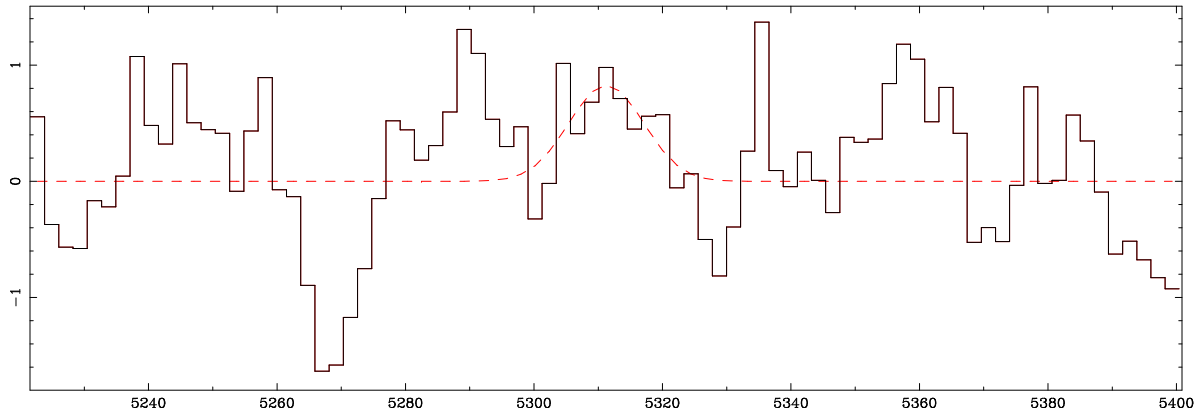
$\lambda_{obs} = 5092.81Å$

$EW_{obs} = 1.53Å$

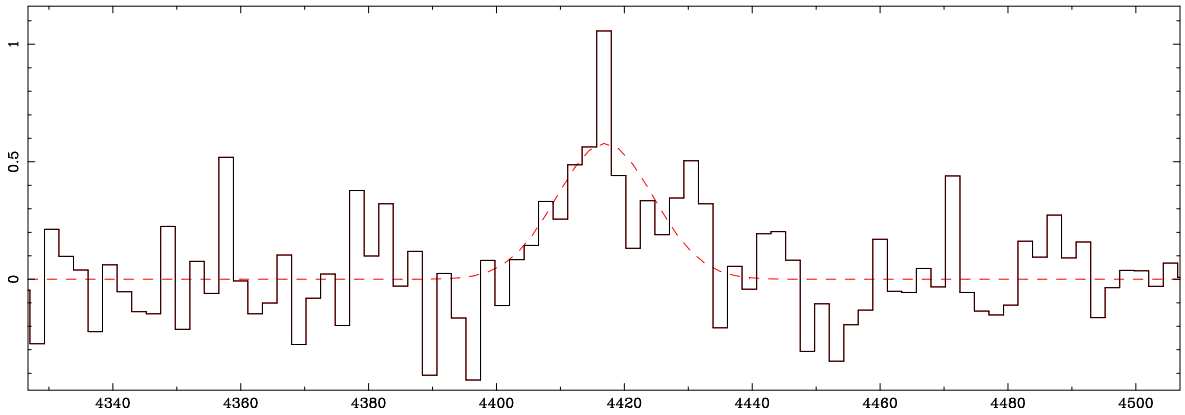
$\alpha_{2000} = 150.1804°$

$\delta_{2000} = 2.2707°$





S/N = 5.70
$FWHM_{obs}$ = 13.68Å
λ_{obs} = 5311.25Å
EW_{obs} = 1.24Å
α_{2000} = 150.1809°
δ_{2000} = 2.2705°



S/N = 5.99

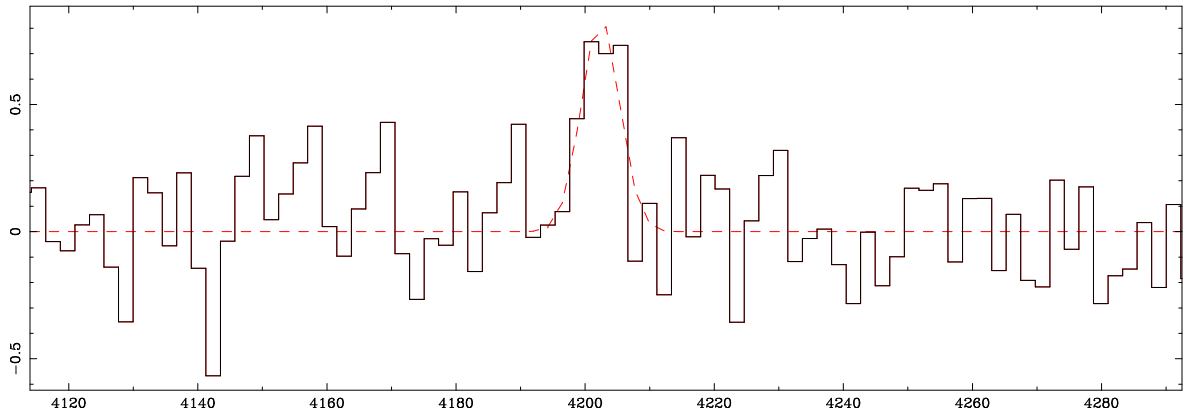
$FWHM_{obs}$ = 17.80Å

λ_{obs} = 4416.97Å

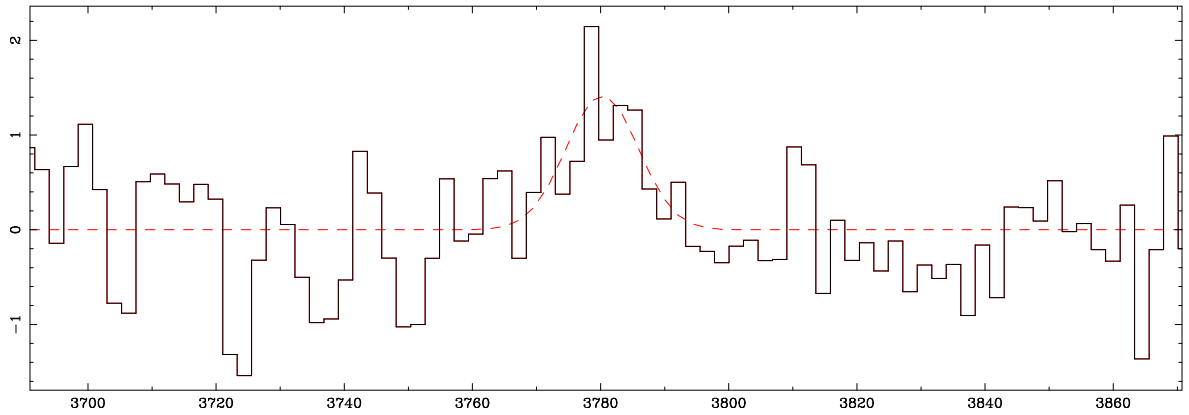
EW_{obs} > 142.82Å

α_{2000} = 150.1974°

δ_{2000} = 2.2858°



S/N = 5.61
$FWHM_{obs}$ = 6.96Å
λ_{obs} = 4202.38Å
EW_{obs} > 61.26Å
α_{2000} = 150.1839°
δ_{2000} = 2.2664°



S/N = 5.16

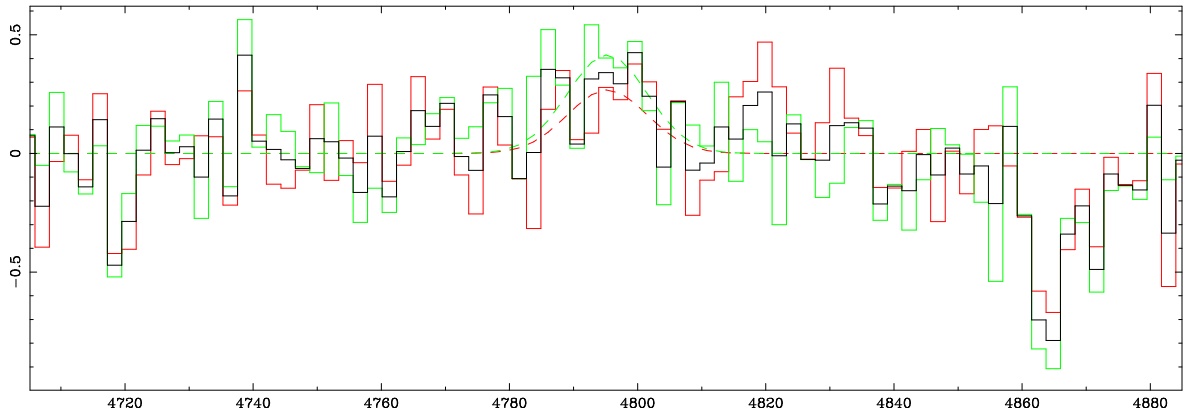
$FWHM_{obs}$ = 13.22Å

λ_{obs} = 3780.25Å

EW_{obs} = 13.87Å

α_{2000} = 150.1846°

δ_{2000} = 2.2896°



S/N = 5.36

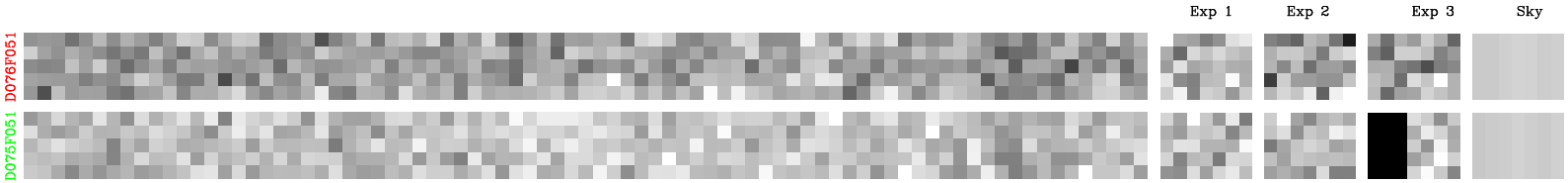
$FWHM_{obs}$ = 14.70Å

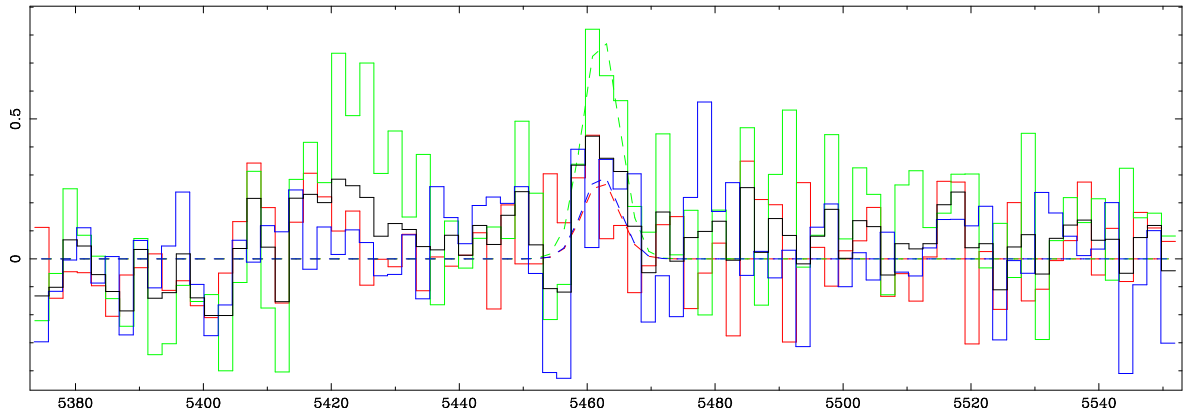
λ_{obs} = 4795.27Å

EW_{obs} = 2.41Å

α_{2000} = 150.1843°

δ_{2000} = 2.2891°





S/N = 5.75

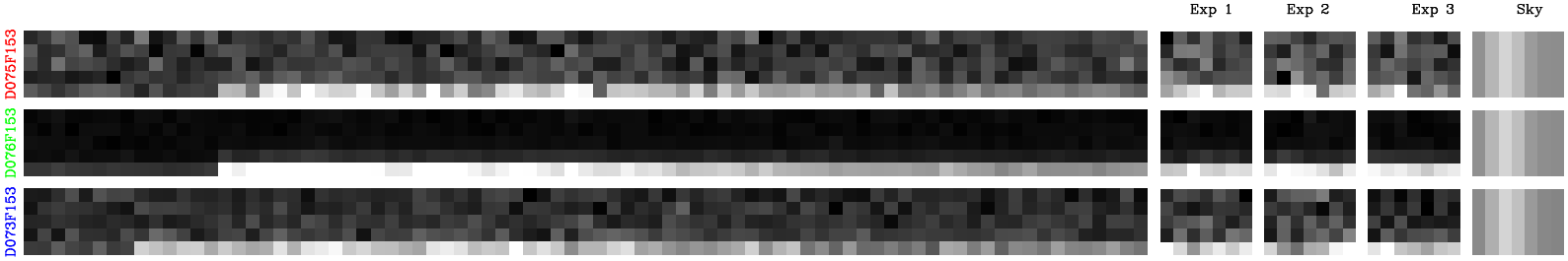
$FWHM_{obs}$ = 6.73Å

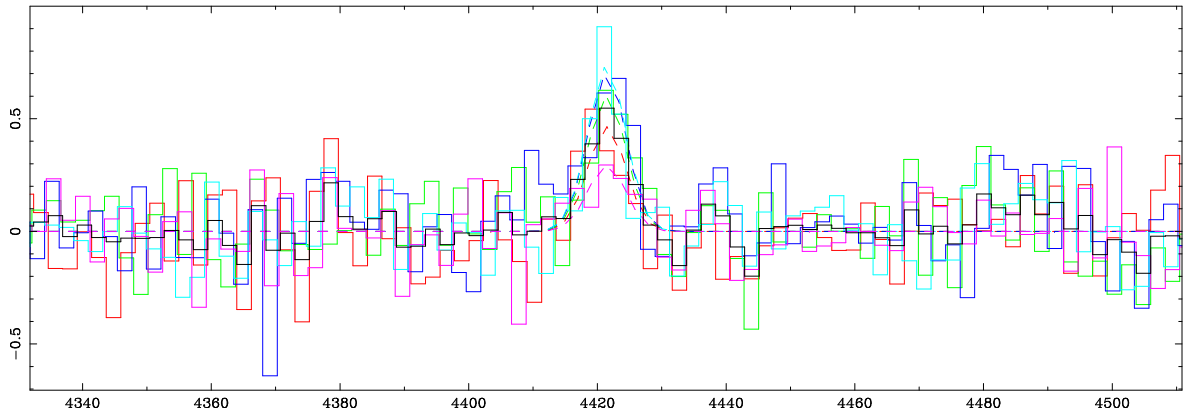
λ_{obs} = 5462.15Å

EW_{obs} = 4.83Å

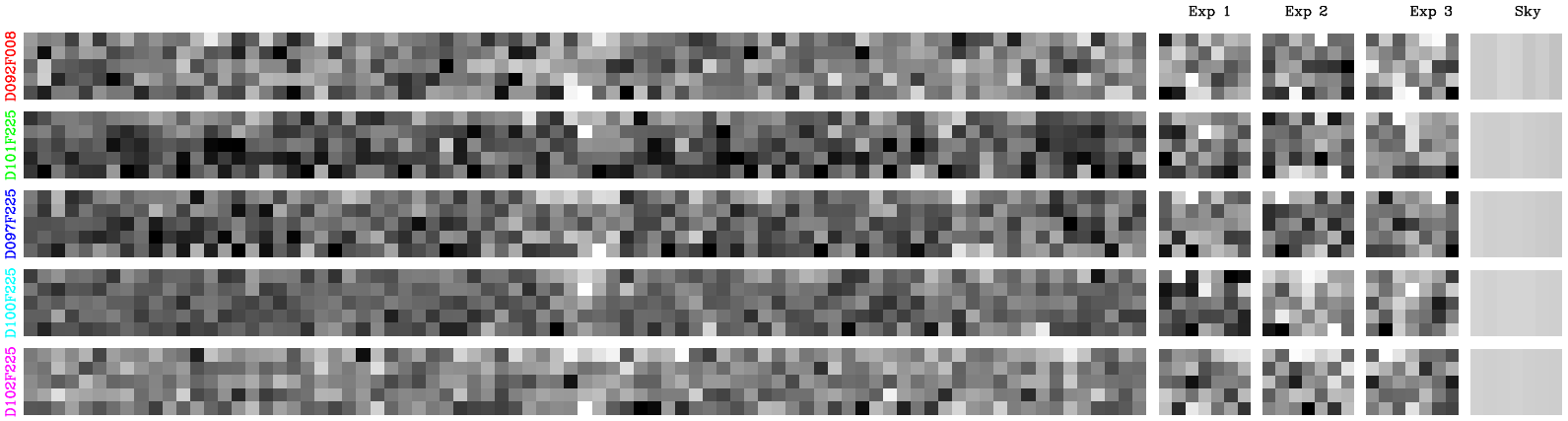
α_{2000} = 150.1852°

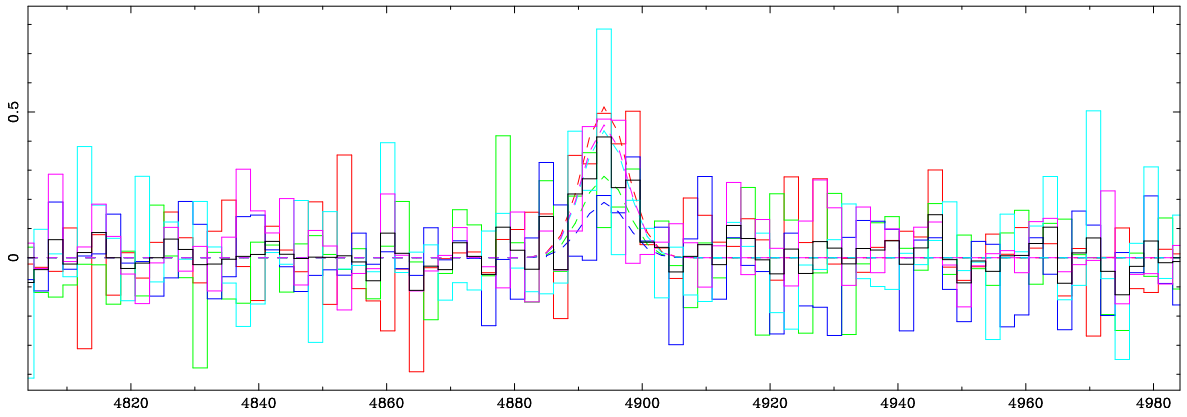
δ_{2000} = 2.2769°



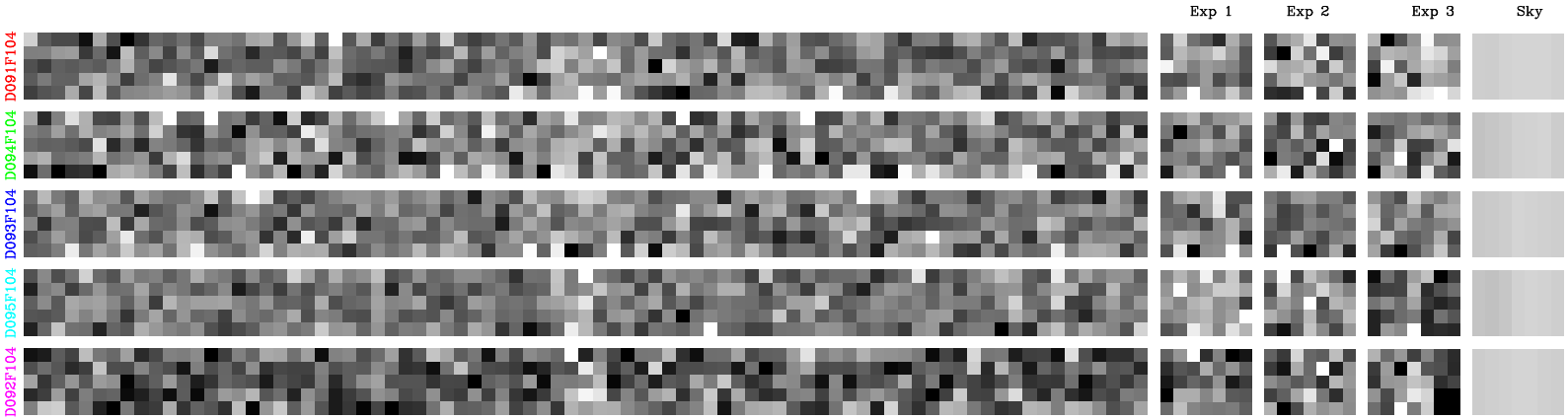


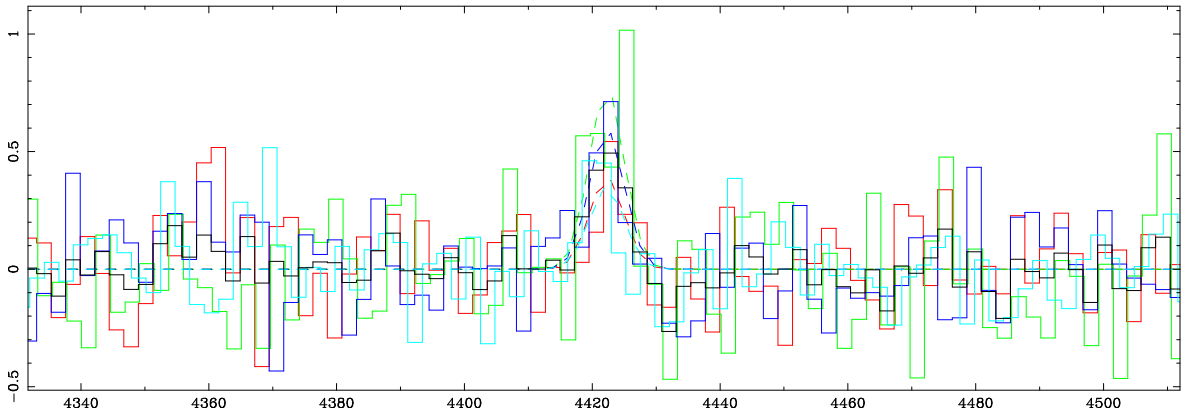
S/N = 9.98
$FWHM_{obs}$ = 6.98Å
λ_{obs} = 4421.46Å
EW_{obs} = 10.61Å
α_{2000} = 150.0674°
δ_{2000} = 2.2334°





S/N = 9.00
$FWHM_{obs}$ = 8.29Å
λ_{obs} = 4894.12Å
EW_{obs} = 75.95Å
α_{2000} = 150.0565°
δ_{2000} = 2.2213°





S/N = 6.69

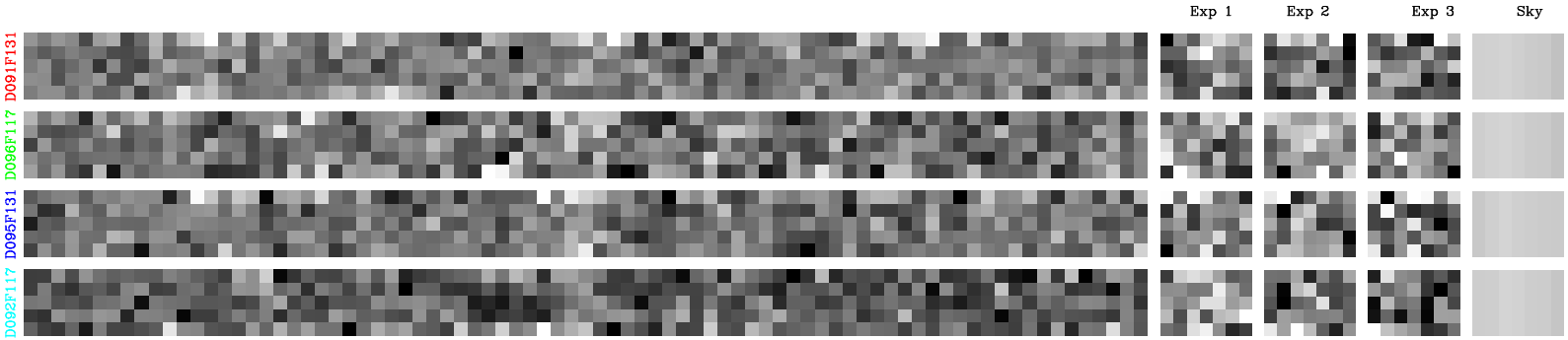
$FWHM_{obs}$ = 6.46Å

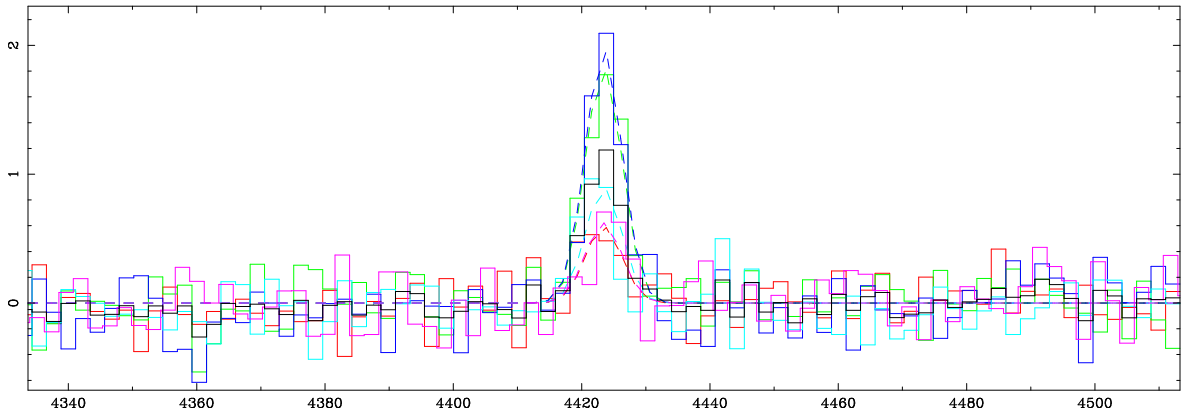
λ_{obs} = 4422.27Å

EW_{obs} = 47.73Å

α_{2000} = 150.0528°

δ_{2000} = 2.2186°





S/N = 18.75

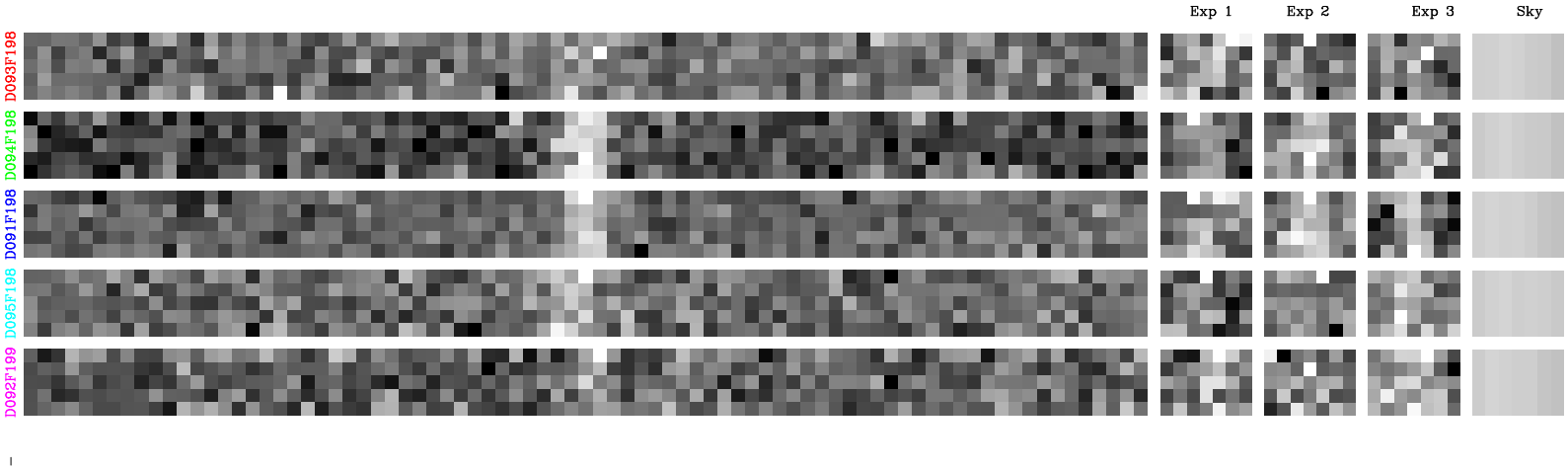
$FWHM_{obs}$ = 6.75Å

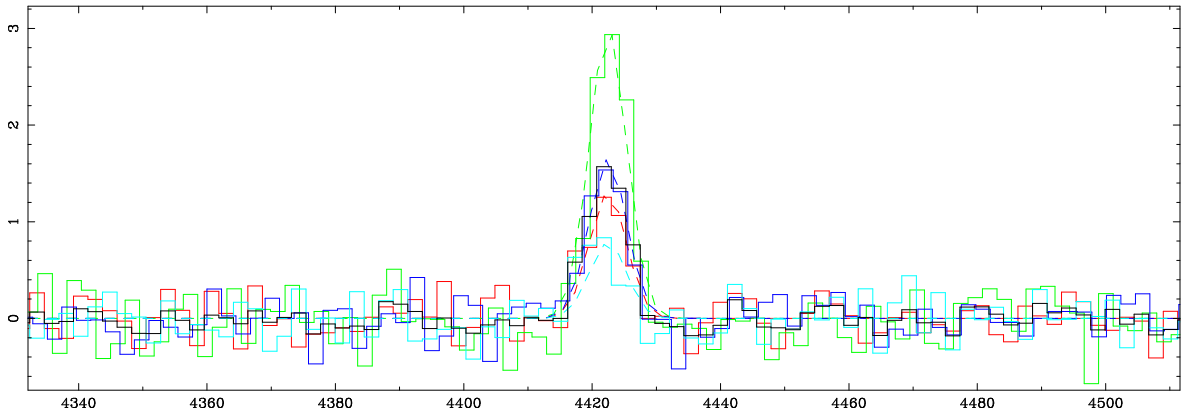
λ_{obs} = 4423.42Å

EW_{obs} = 53.58Å

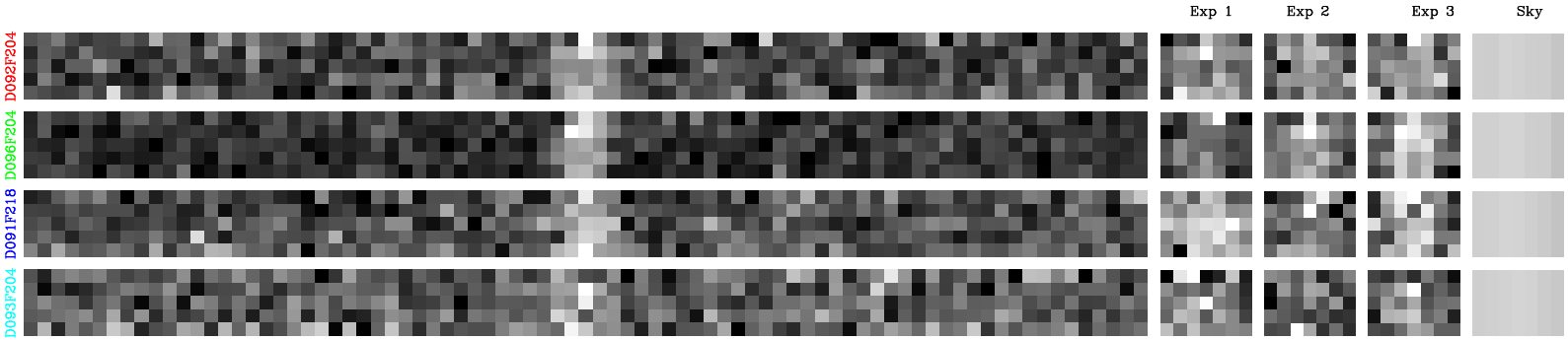
α_{2000} = 150.0708°

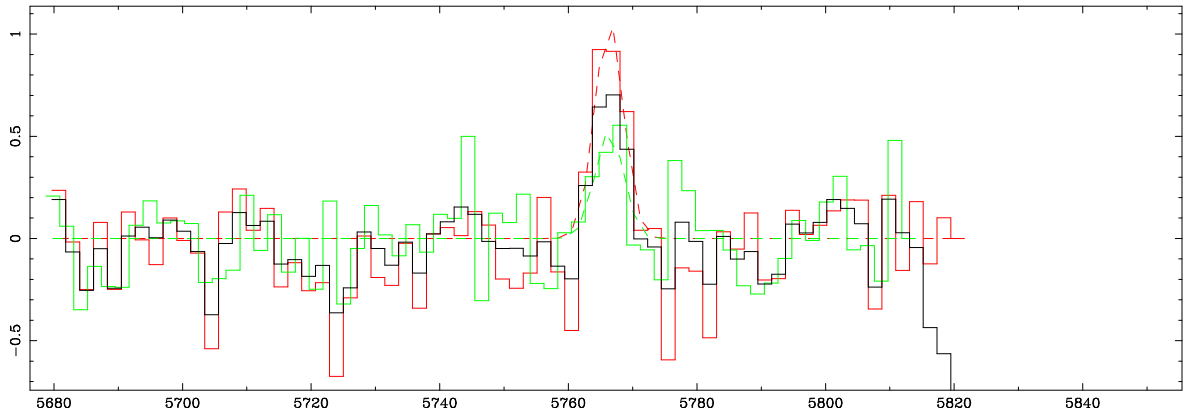
δ_{2000} = 2.2107°





S/N = 20.11
$FWHM_{obs}$ = 6.85Å
λ_{obs} = 4422.46Å
EW_{obs} = 50.30Å
α_{2000} = 150.0530°
δ_{2000} = 2.2083°





$S/N = 6.22$

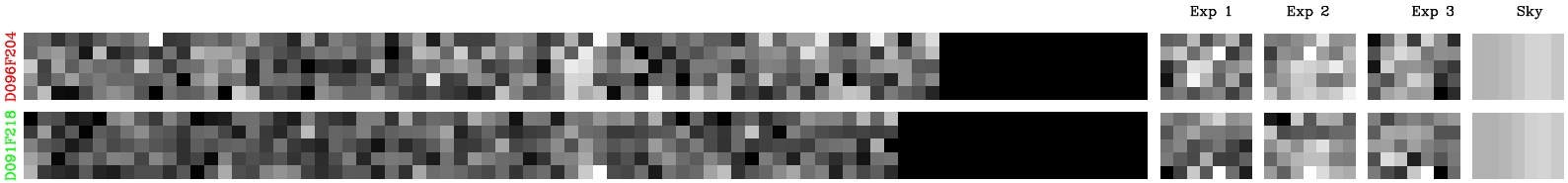
$FWHM_{obs} = 5.21Å$

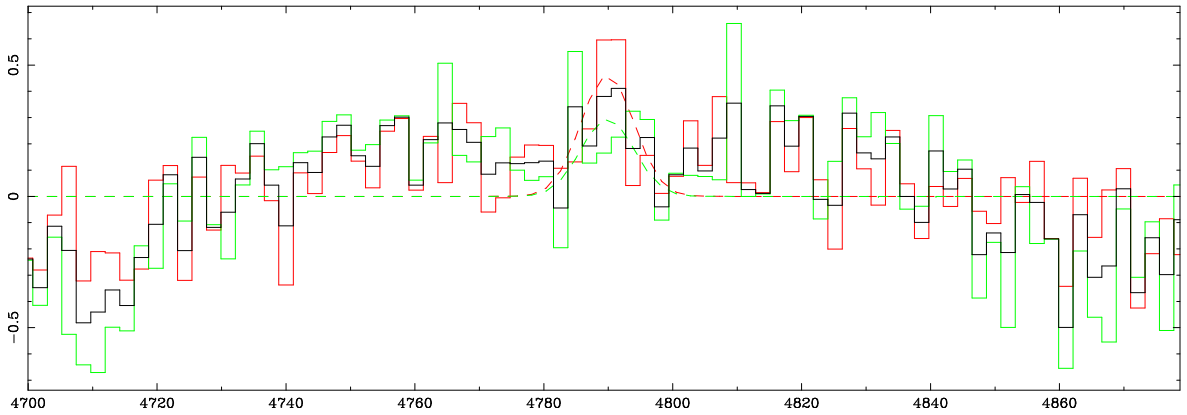
$\lambda_{obs} = 5766.35Å$

$EW_{obs} = 8.56Å$

$\alpha_{2000} = 150.0530°$

$\delta_{2000} = 2.2080°$





S/N = 5.41

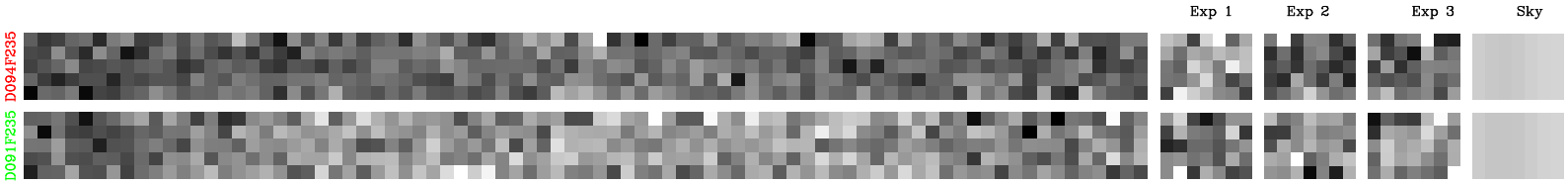
$FWHM_{obs}$ = 9.67Å

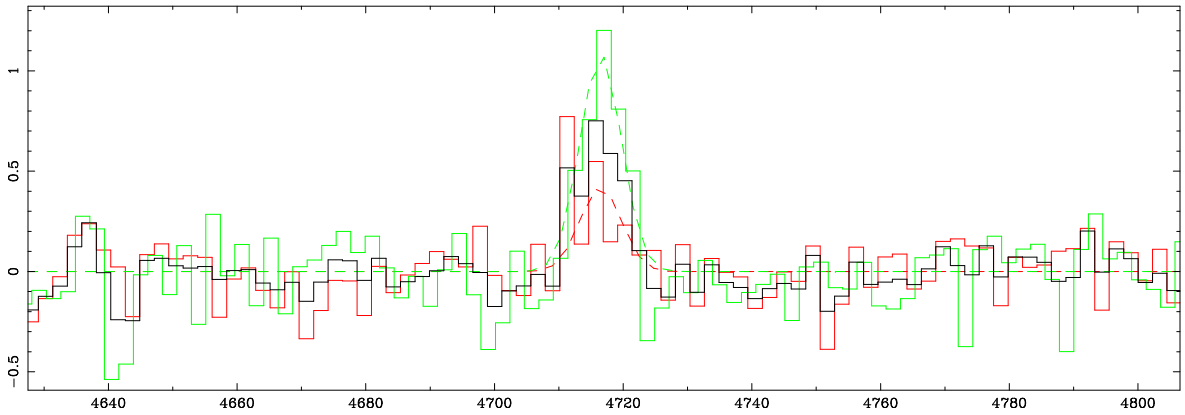
λ_{obs} = 4789.87Å

EW_{obs} = 3.39Å

α_{2000} = 150.0579°

δ_{2000} = 2.2056°





S/N = 9.78

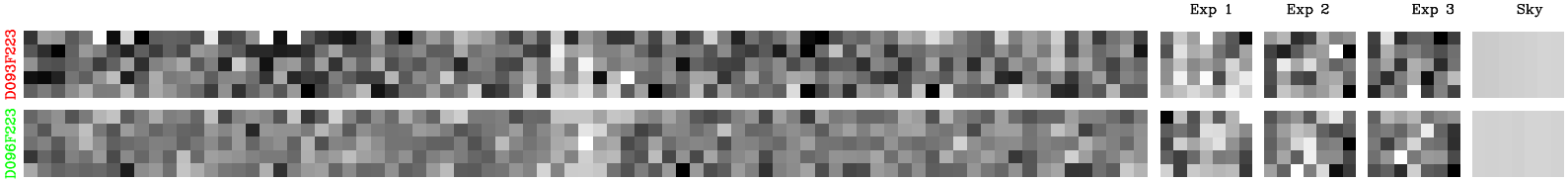
$FWHM_{obs}$ = 7.60Å

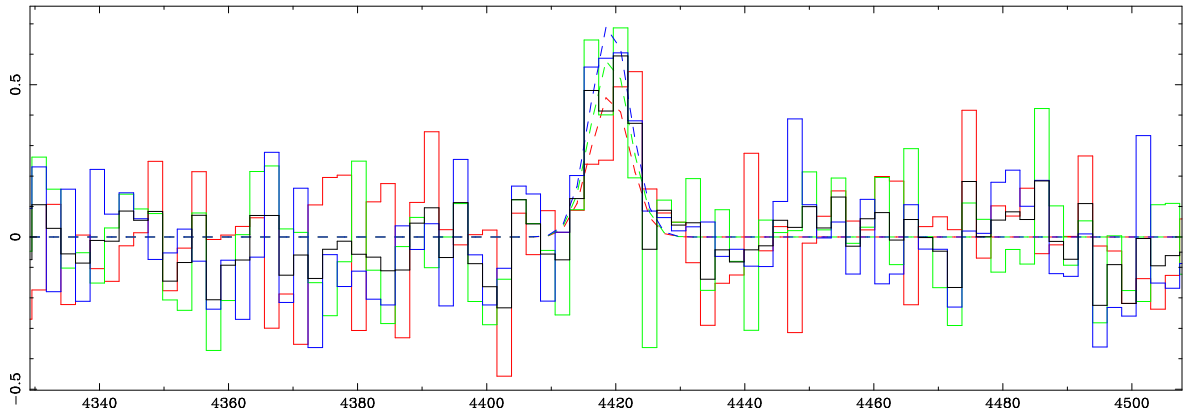
λ_{obs} = 4716.50Å

EW_{obs} = 59.11Å

α_{2000} = 150.0622°

δ_{2000} = 2.2065°





$S/N = 7.73$

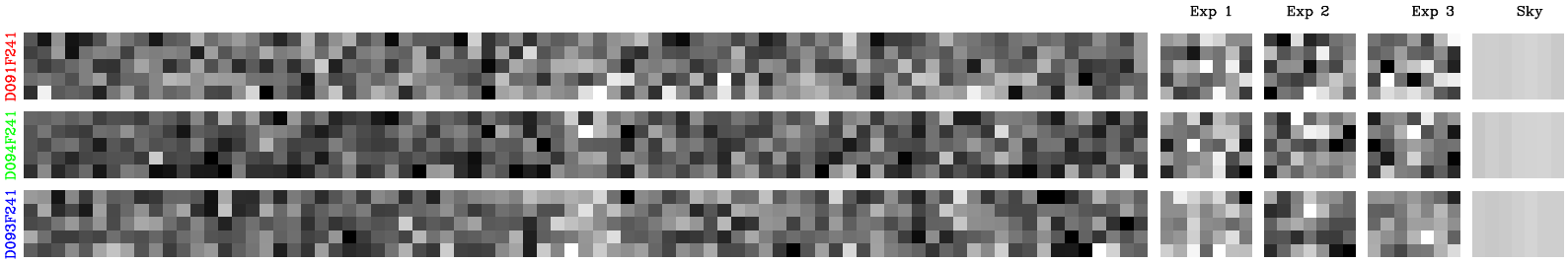
$FWHM_{obs} = 7.16Å$

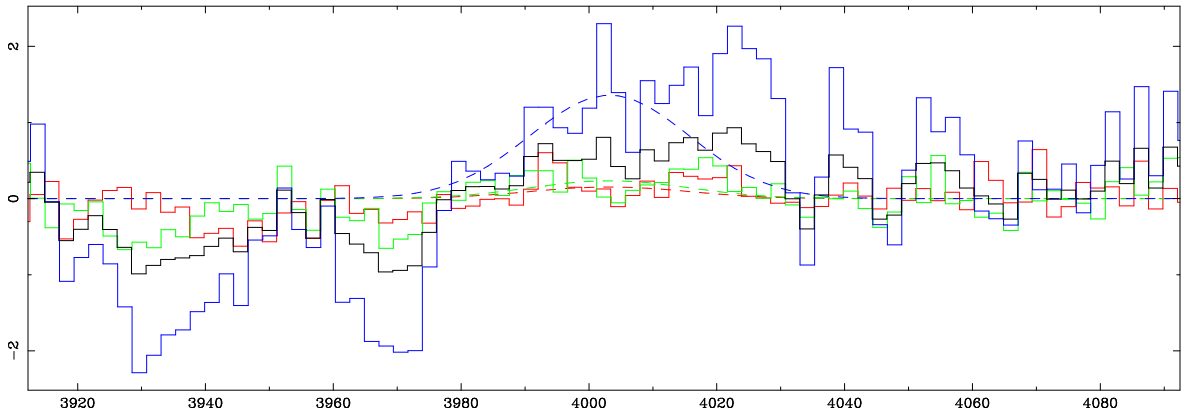
$\lambda_{obs} = 4419.17Å$

$EW_{obs} = 18.07Å$

$\alpha_{2000} = 150.0698°$

$\delta_{2000} = 2.2052°$





$S/N = 7.08$

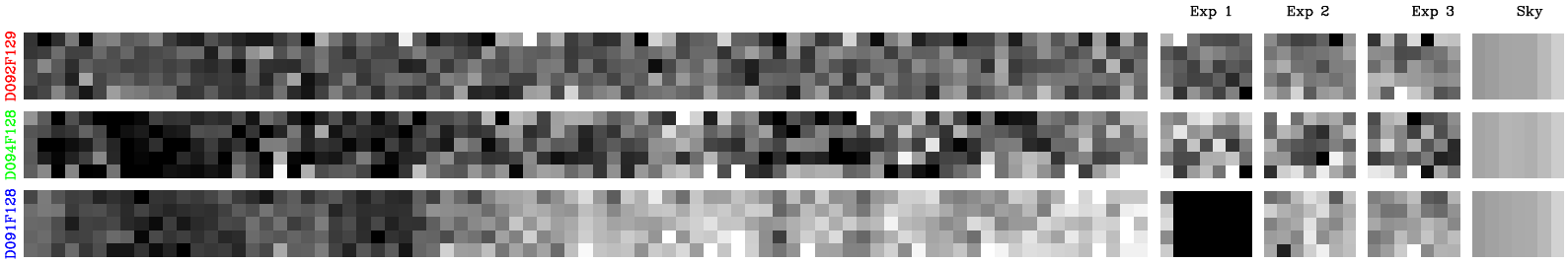
$FWHM_{obs} = 29.44Å$

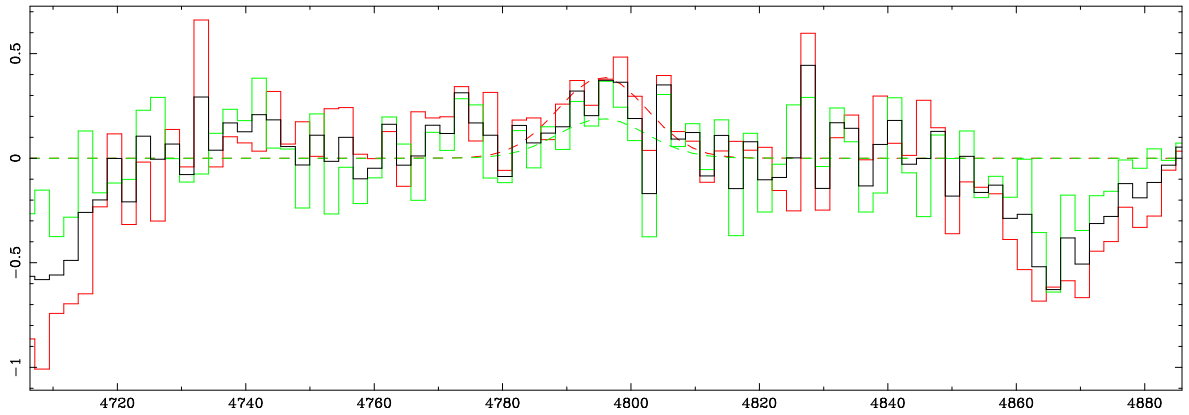
$\lambda_{obs} = 4003.20Å$

$EW_{obs} = 14.26Å$

$\alpha_{2000} = 150.0757°$

$\delta_{2000} = 2.2197°$





$S/N = 5.62$

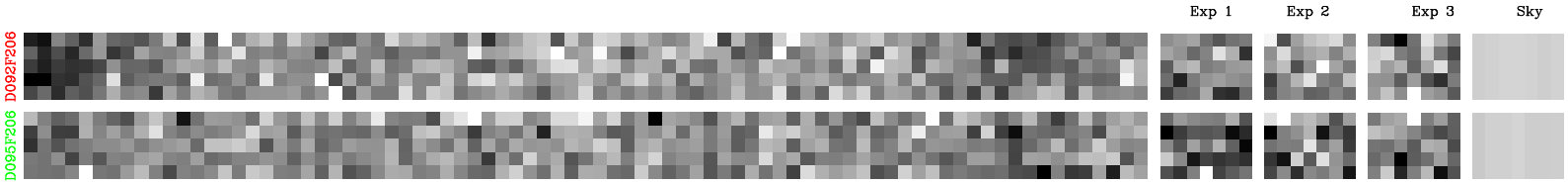
$FWHM_{obs} = 16.28Å$

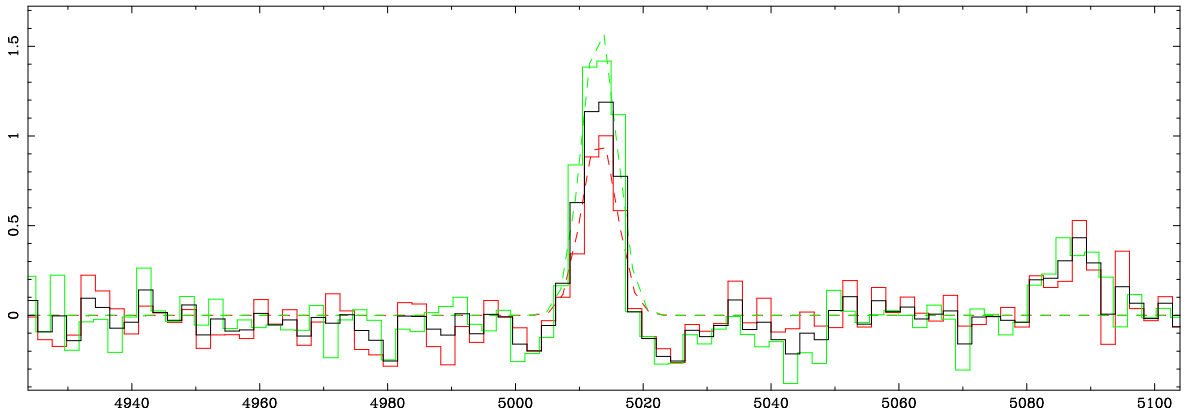
$\lambda_{obs} = 4795.53Å$

$EW_{obs} = 7.04Å$

$\alpha_{2000} = 150.0569°$

$\delta_{2000} = 2.2090°$





S/N = 21.34

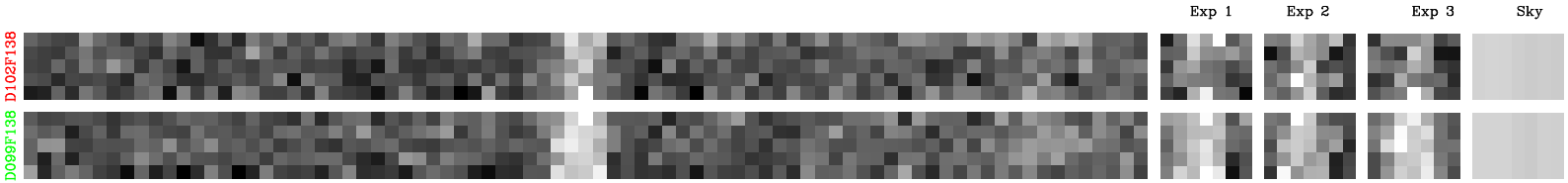
$FWHM_{obs}$ = 6.43Å

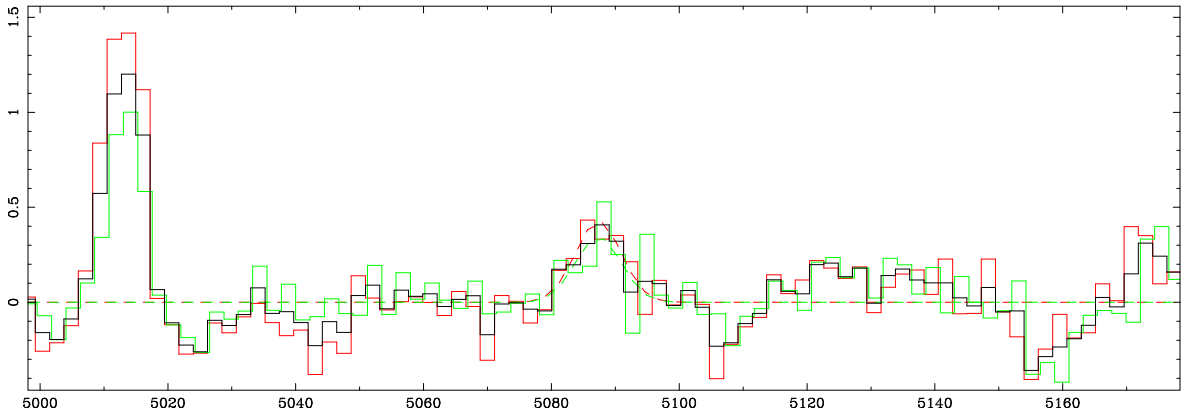
λ_{obs} = 5013.10Å

EW_{obs} = 11.43Å

α_{2000} = 150.0676°

δ_{2000} = 2.2432°





$S/N = 7.73$

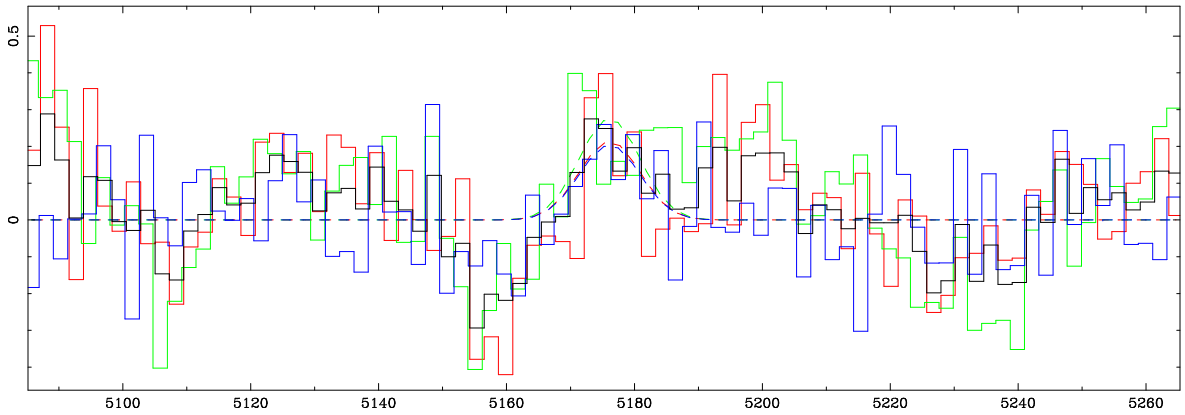
$FWHM_{obs} = 8.48Å$

$\lambda_{obs} = 5087.35Å$

$EW_{obs} = 4.12Å$

$\alpha_{2000} = 150.0676°$

$\delta_{2000} = 2.2432°$



$S/N = 7.07$

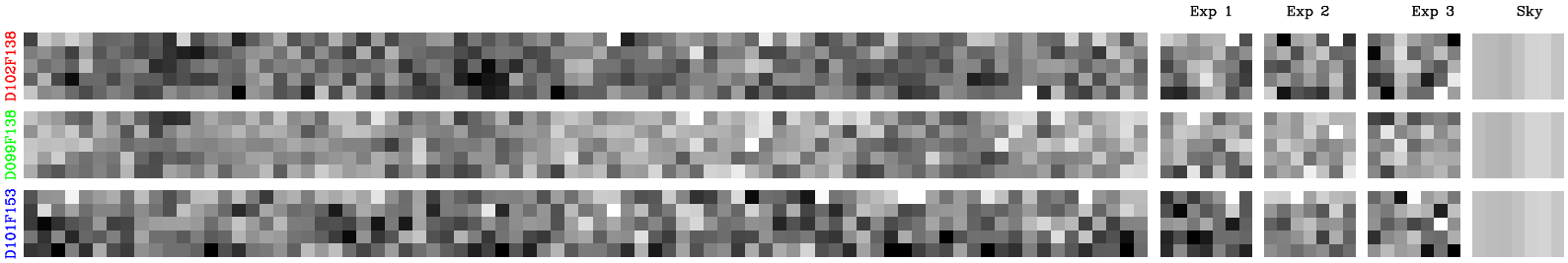
$FWHM_{obs} = 11.21Å$

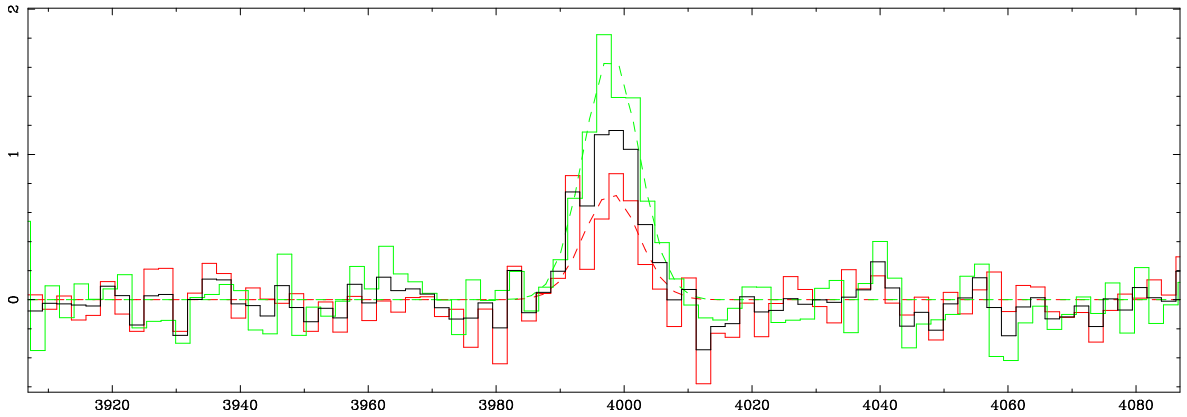
$\lambda_{obs} = 5176.12Å$

$EW_{obs} = 4.55Å$

$\alpha_{2000} = 150.0678°$

$\delta_{2000} = 2.2430°$





S/N = 15.72

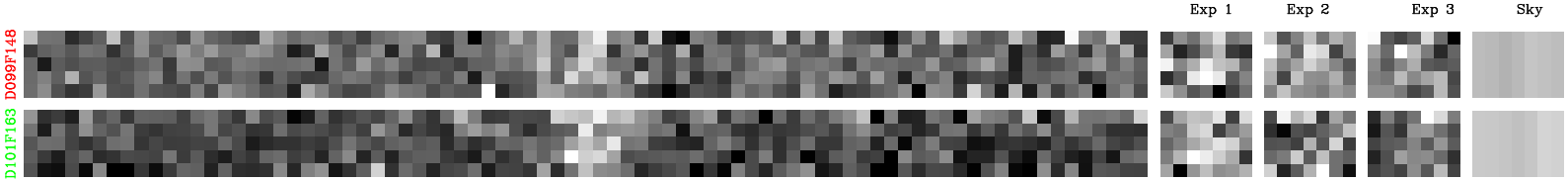
$FWHM_{obs}$ = 10.25Å

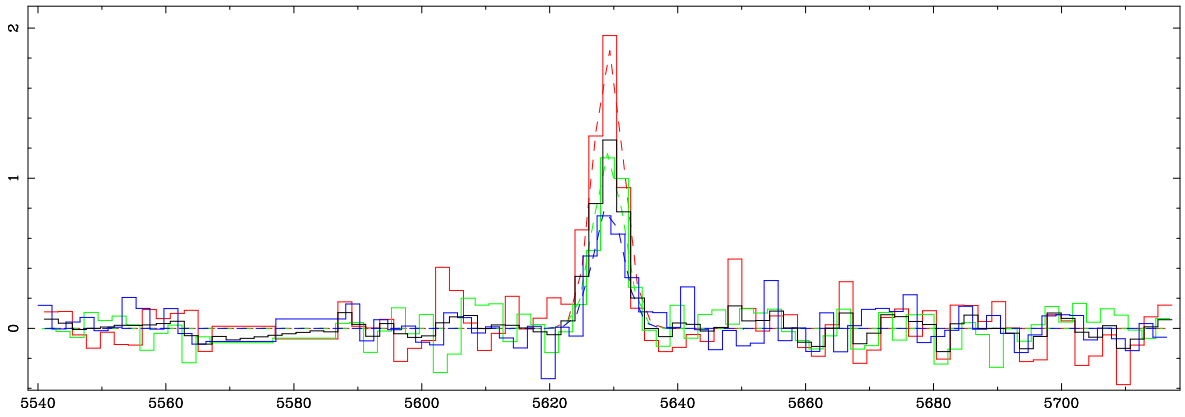
λ_{obs} = 3997.97Å

EW_{obs} > 227.26Å

α_{2000} = 150.0590°

δ_{2000} = 2.2412°





$S/N = 20.77$

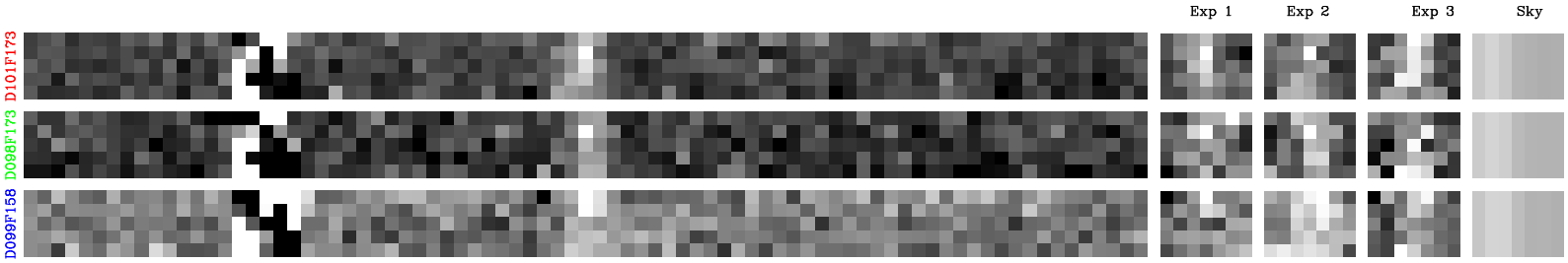
$FWHM_{obs} = 5.52Å$

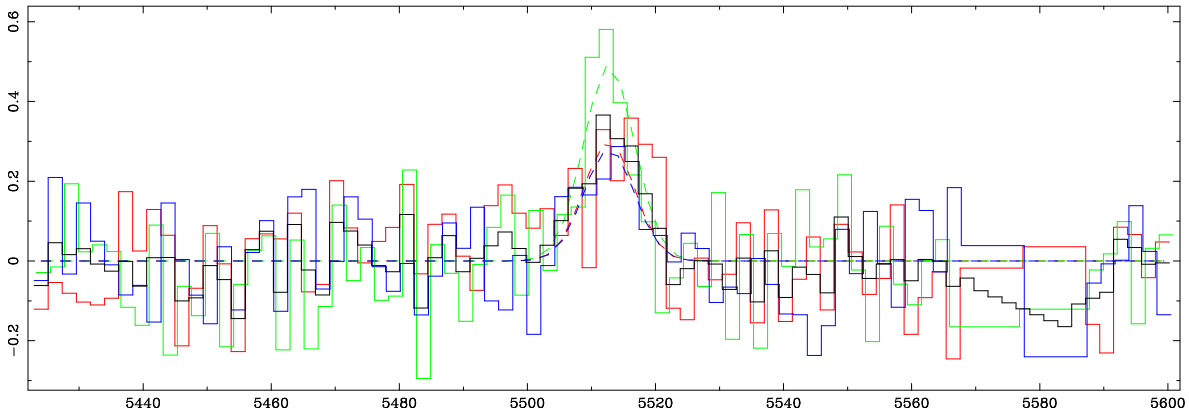
$\lambda_{obs} = 5629.16Å$

$EW_{obs} = 15.95Å$

$\alpha_{2000} = 150.0790°$

$\delta_{2000} = 2.2405°$





S/N = 9.42

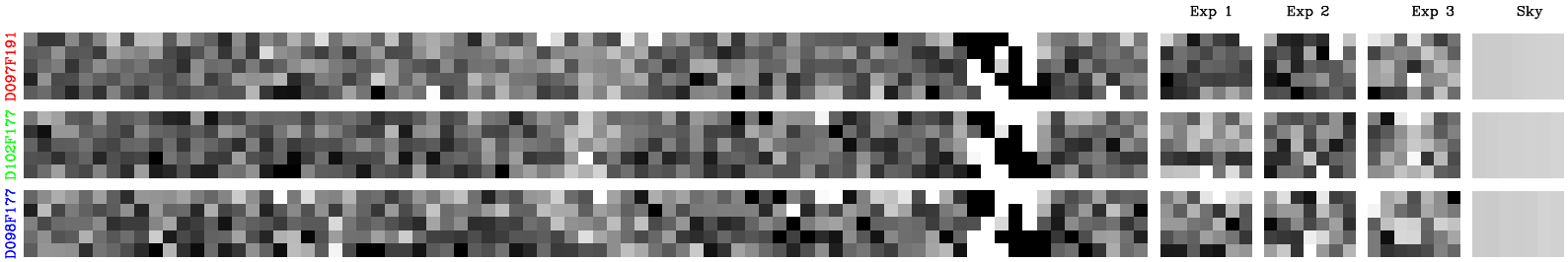
$FWHM_{obs}$ = 9.34Å

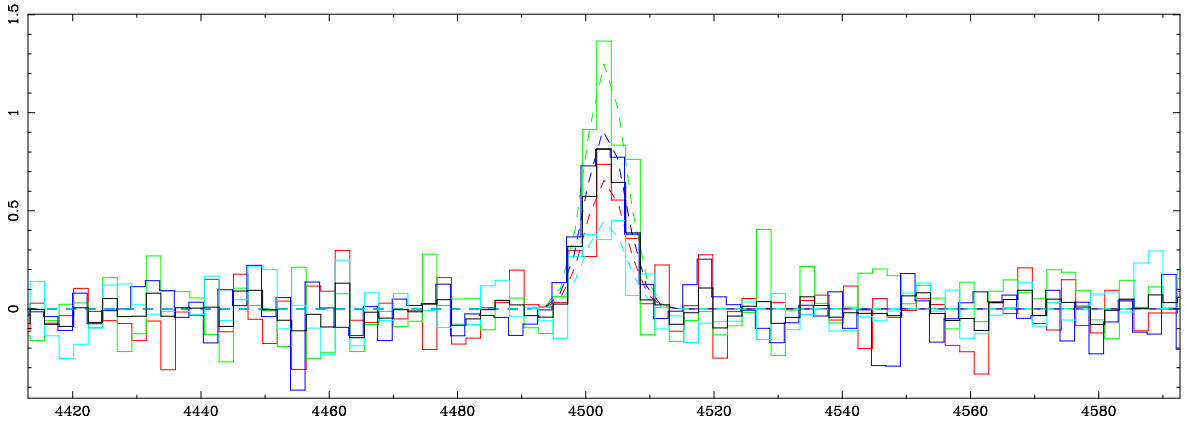
λ_{obs} = 5512.75Å

EW_{obs} = 73.69Å

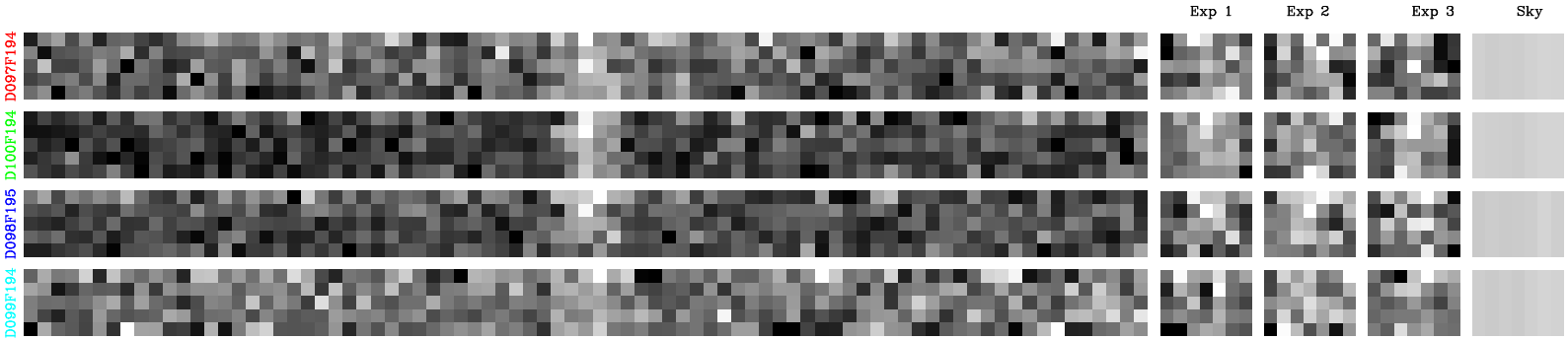
α_{2000} = 150.0580°

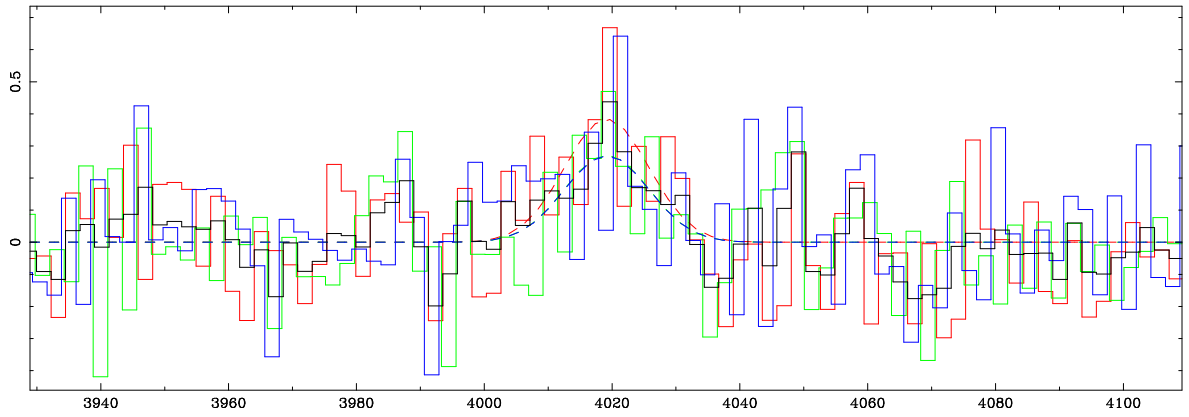
δ_{2000} = 2.2380°





S/N = 16.78
$FWHM_{obs}$ = 7.40Å
λ_{obs} = 4503.08Å
EW_{obs} = 46.68Å
α_{2000} = 150.0642°
δ_{2000} = 2.2368°





$S/N = 5.74$

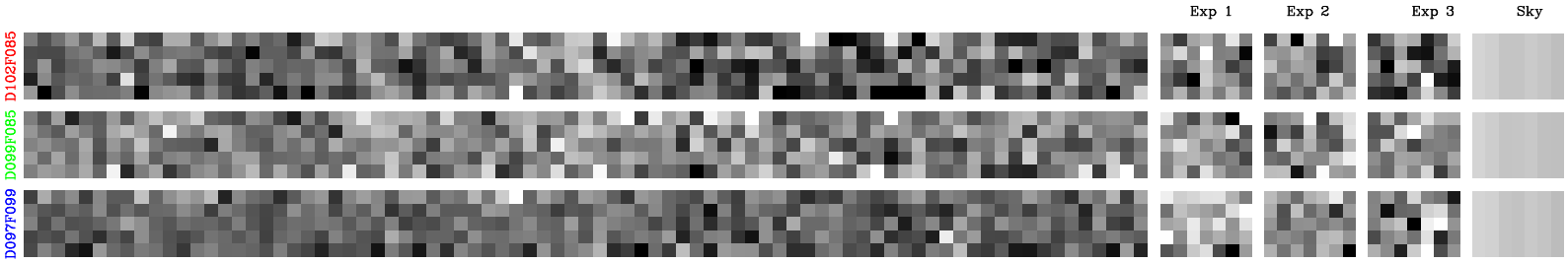
$FWHM_{obs} = 15.59Å$

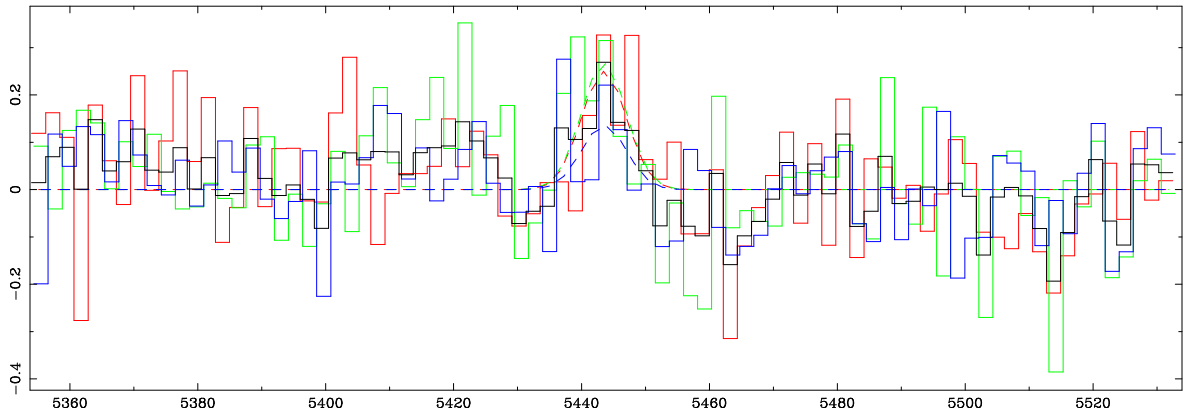
$\lambda_{obs} = 4019.17Å$

$EW_{obs} > 107.80Å$

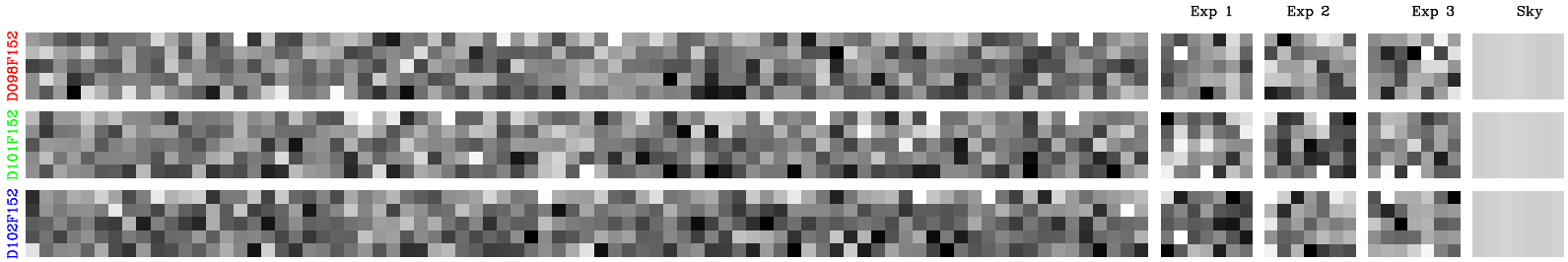
$\alpha_{2000} = 150.0773°$

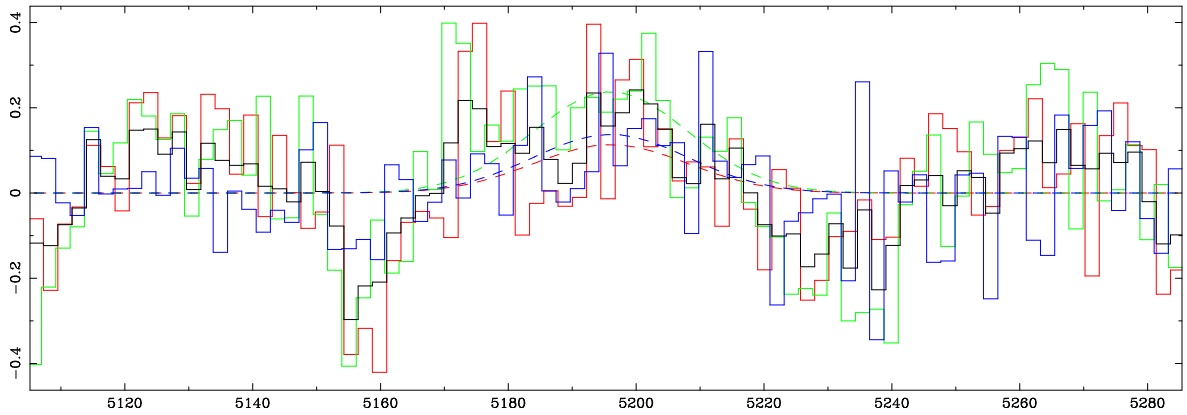
$\delta_{2000} = 2.2499°$





S/N = 6.57
$FWHM_{obs}$ = 8.32Å
λ_{obs} = 5443.50Å
EW_{obs} = 11.20Å
α_{2000} = 150.0661°
δ_{2000} = 2.2421°





S/N = 6.91

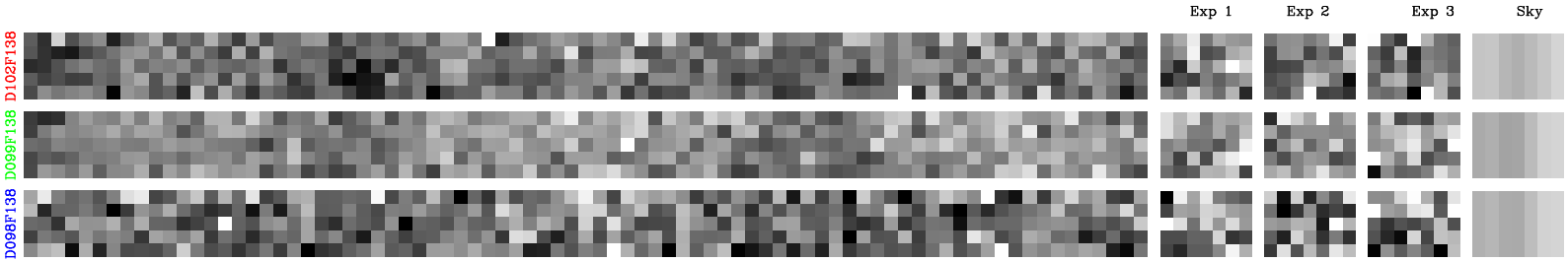
$FWHM_{obs}$ = 28.52Å

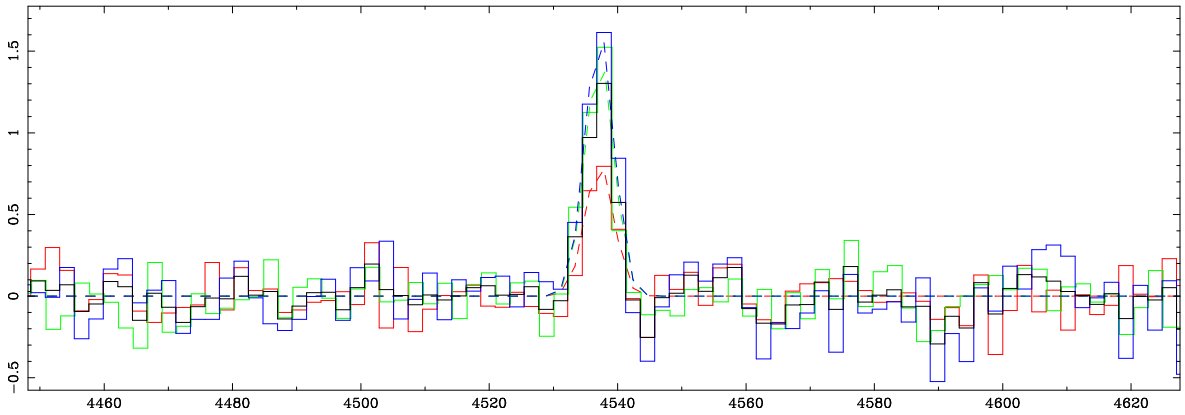
λ_{obs} = 5196.01Å

EW_{obs} = 10.71Å

α_{2000} = 150.0675°

δ_{2000} = 2.2433°





S/N = 15.30

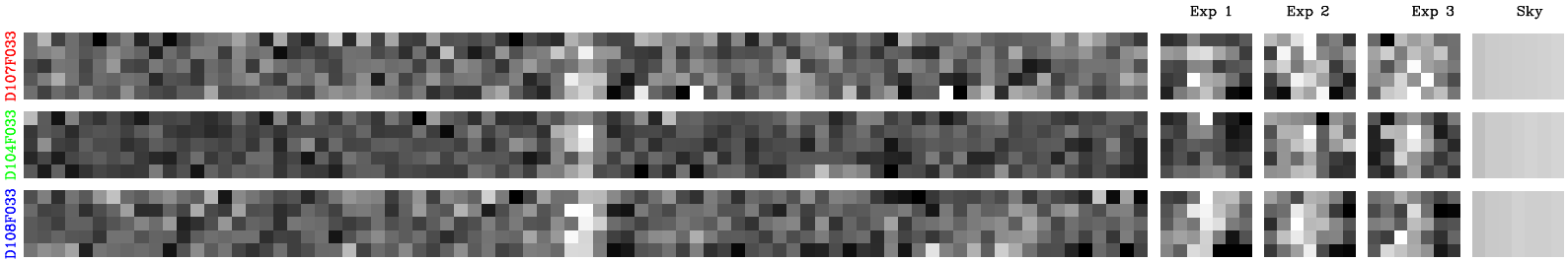
$FWHM_{obs}$ = 5.20Å

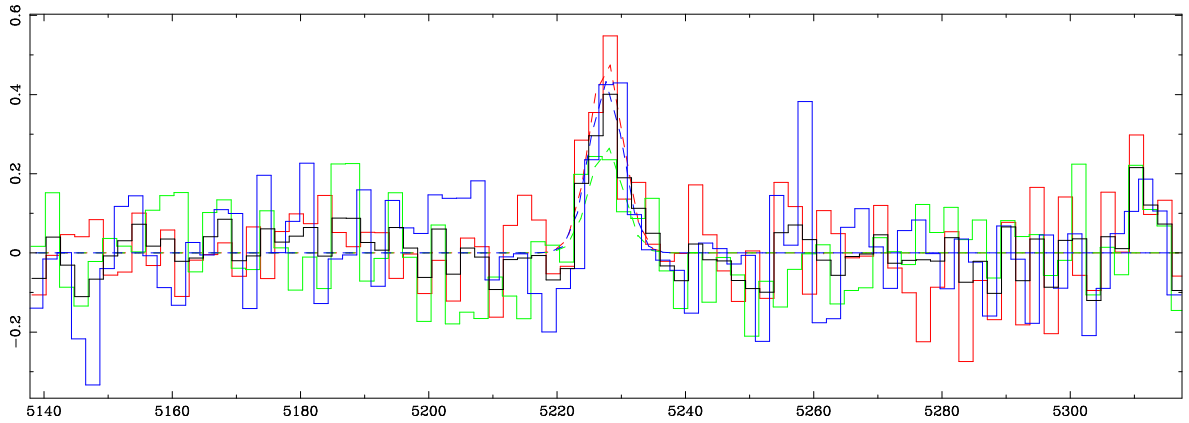
λ_{obs} = 4537.17Å

EW_{obs} = 26.09Å

α_{2000} = 150.0609°

δ_{2000} = 2.2841°





$S/N = 7.74$

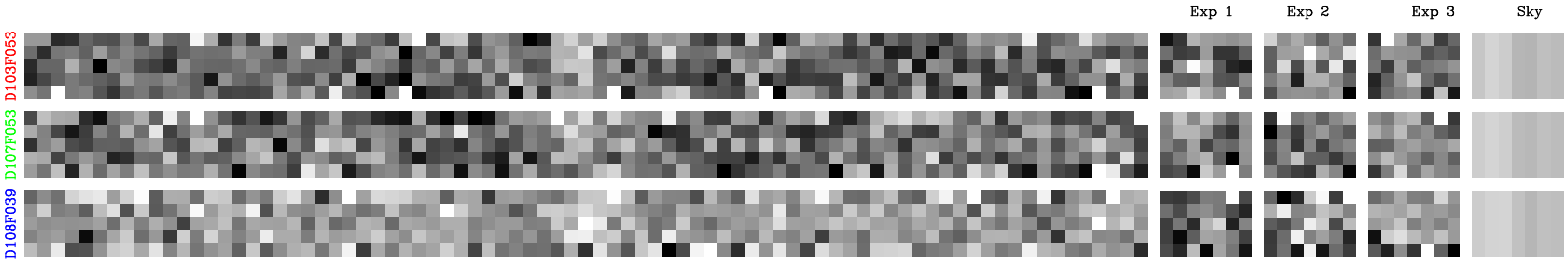
$FWHM_{obs} = 6.15$Å

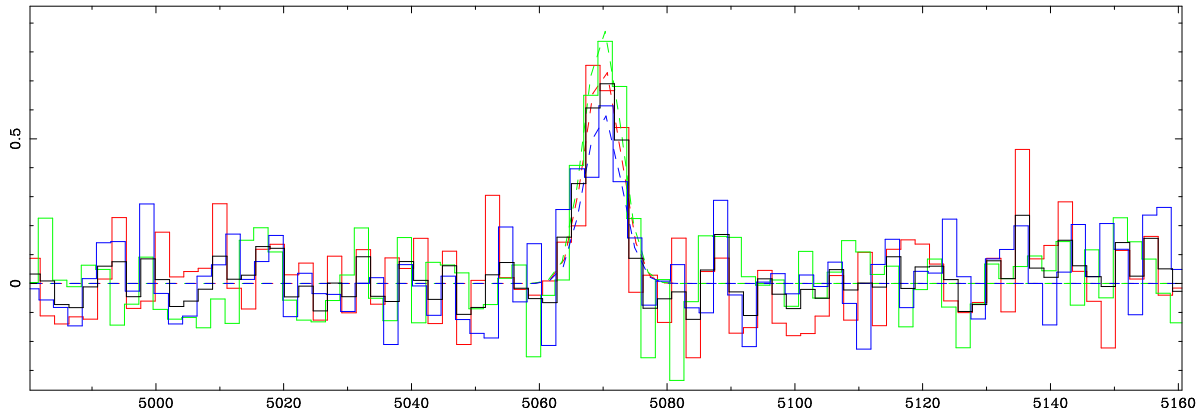
$\lambda_{obs} = 5227.63$Å

$EW_{obs} > 76.69$Å

$\alpha_{2000} = 150.0727°$

$\delta_{2000} = 2.2831°$





S/N = 14.88

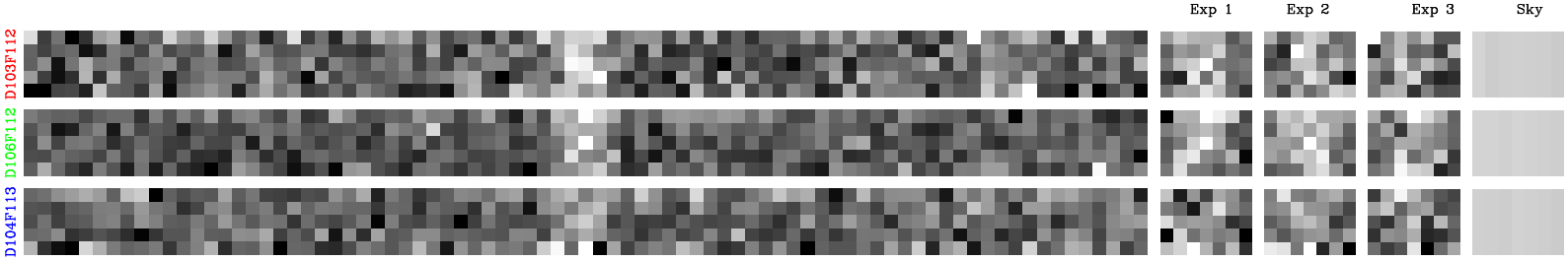
$FWHM_{obs}$ = 6.72Å

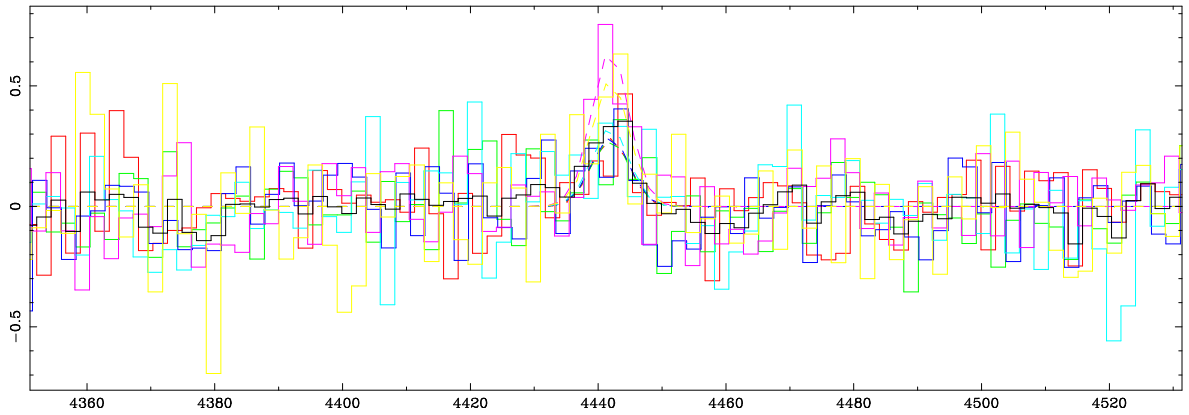
λ_{obs} = 5069.89Å

EW_{obs} = 30.45Å

α_{2000} = 150.0750°

δ_{2000} = 2.2754°





$S/N = 8.49$

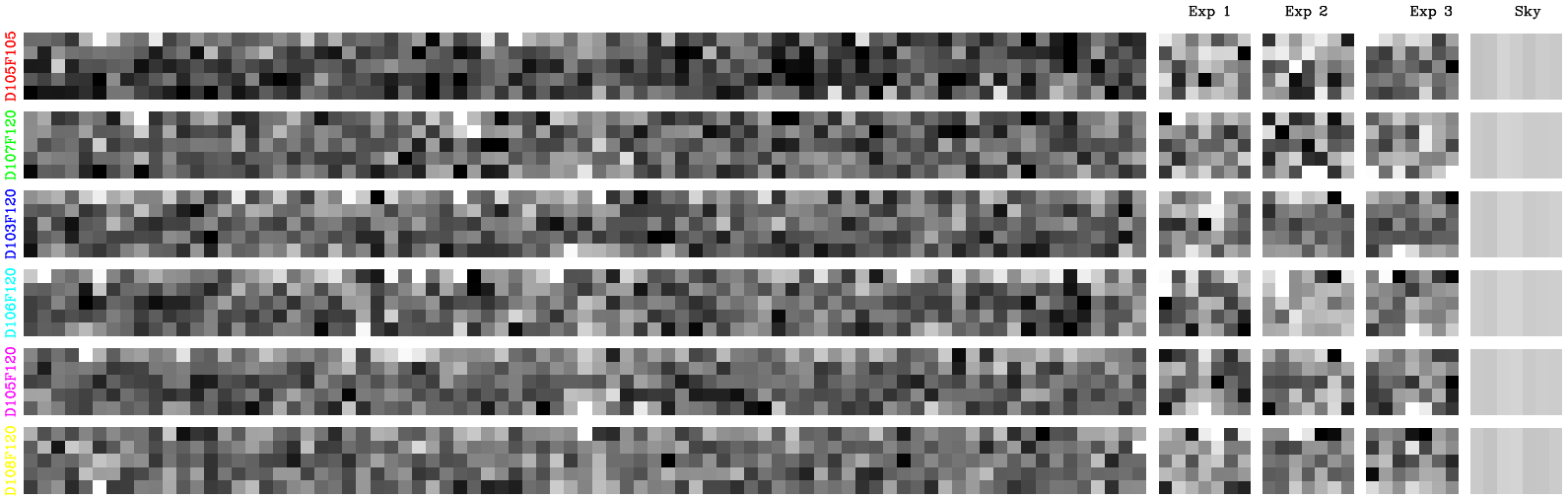
$FWHM_{obs} = 6.90$Å

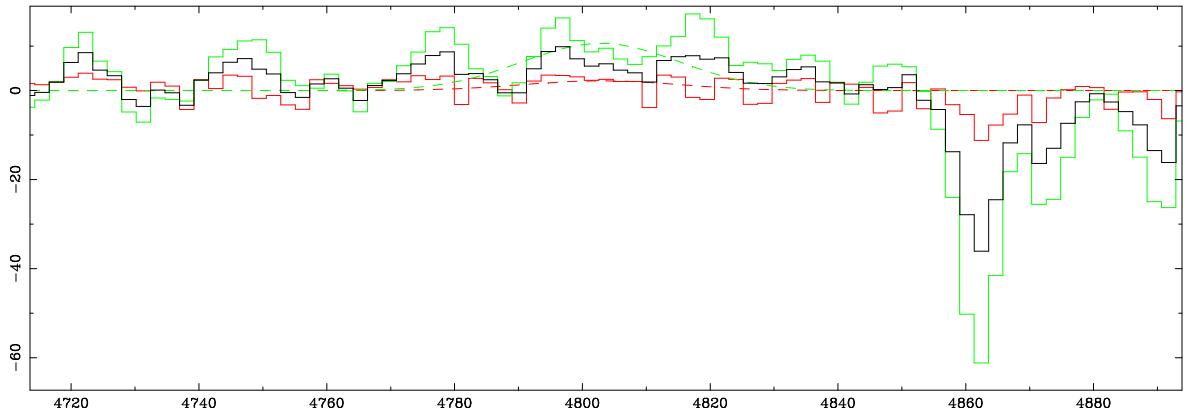
$\lambda_{obs} = 4441.91$Å

$EW_{obs} > 95.34$Å

$\alpha_{2000} = 150.0612°$

$\delta_{2000} = 2.2737°$





$S/N = 28.91$

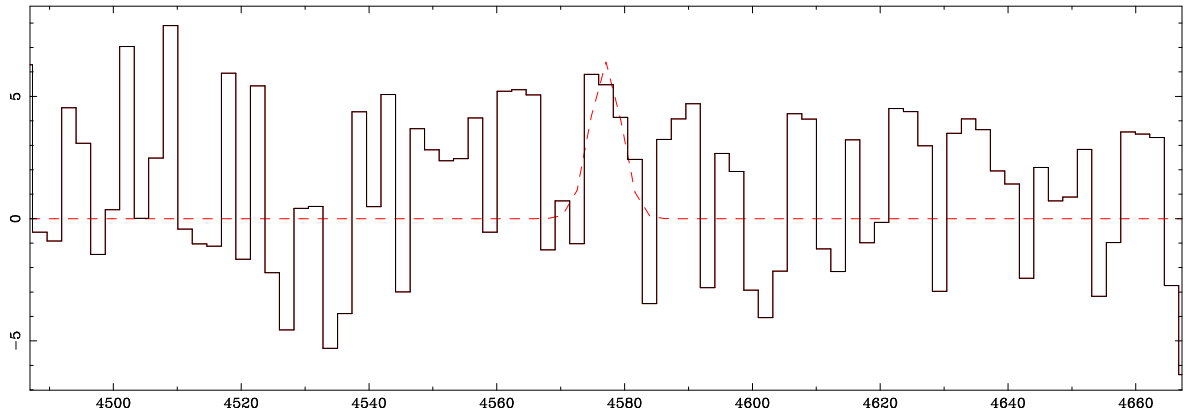
$FWHM_{obs} = 29.14Å$

$\lambda_{obs} = 4802.89Å$

$EW_{obs} = 1.65Å$

$\alpha_{2000} = 150.0680°$

$\delta_{2000} = 2.2736°$



S/N = 22.77

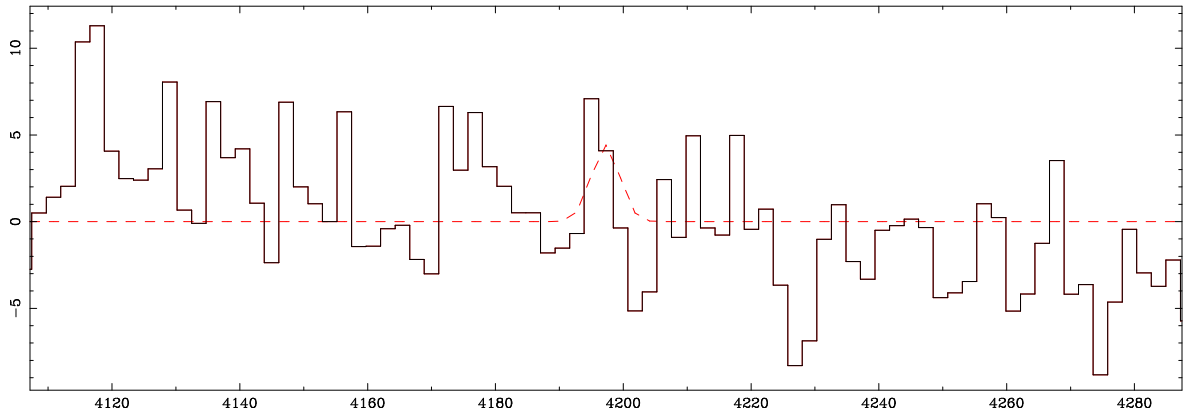
$FWHM_{obs}$ = 5.72Å

λ_{obs} = 4577.04Å

EW_{obs} = 0.93Å

α_{2000} = 150.0686°

δ_{2000} = 2.2736°



$S/N = 13.45$

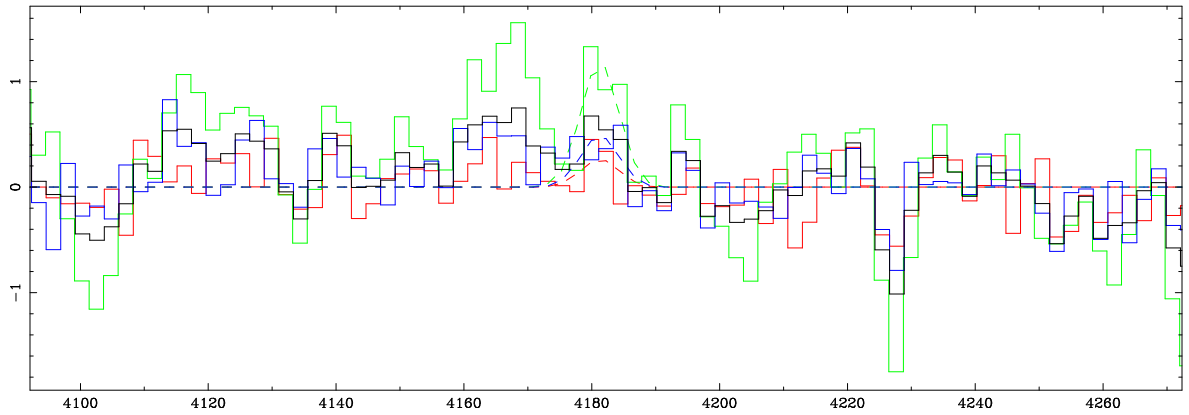
$FWHM_{obs} = 5.20Å$

$\lambda_{obs} = 4197.23Å$

$EW_{obs} = 0.72Å$

$\alpha_{2000} = 150.0686°$

$\delta_{2000} = 2.2736°$



S/N = 6.99

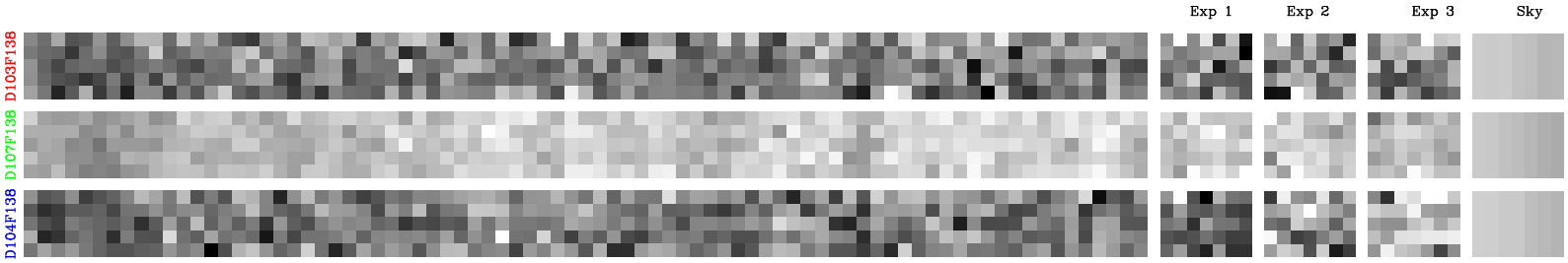
$FWHM_{obs}$ = 7.05Å

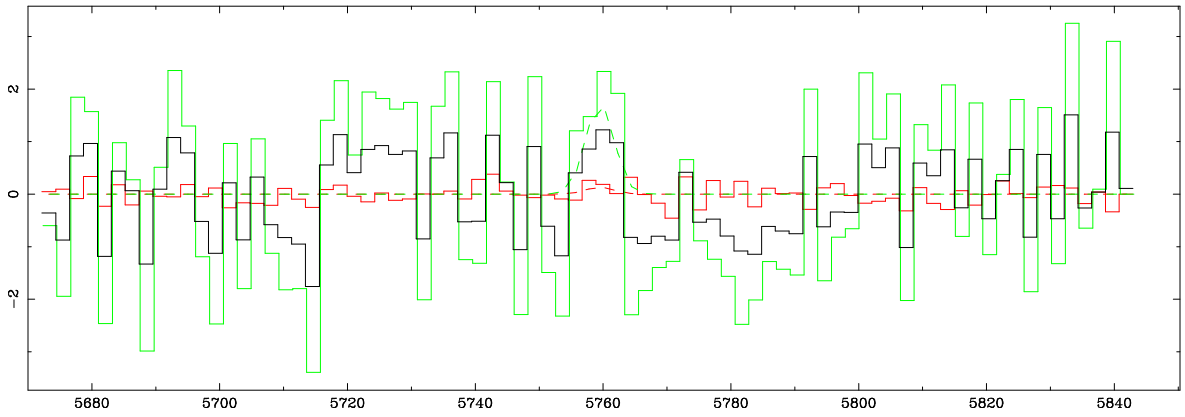
λ_{obs} = 4181.26Å

EW_{obs} = 1.39Å

α_{2000} = 150.0678°

δ_{2000} = 2.2724°





$S/N = 6.88$

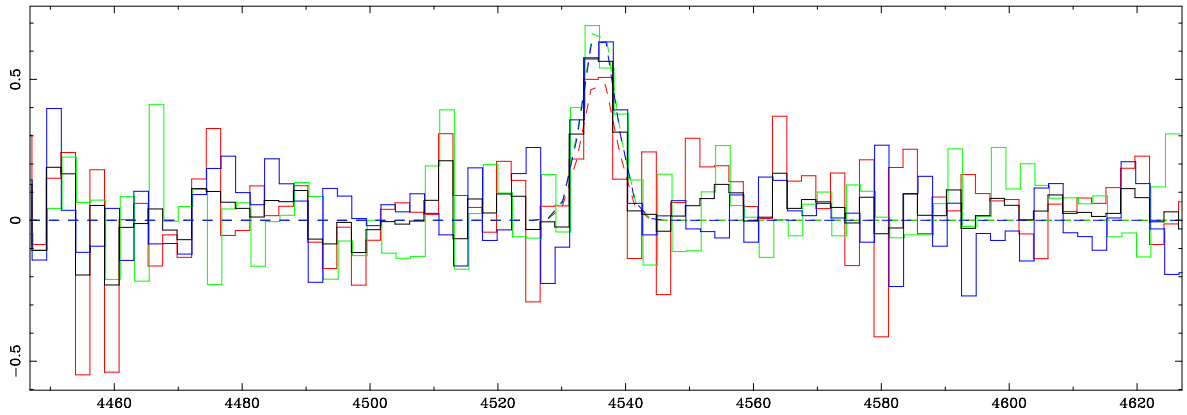
$FWHM_{obs} = 5.21$Å

$\lambda_{obs} = 5759.51$Å

$EW_{obs} = 0.41$Å

$\alpha_{2000} = 150.0686°$

$\delta_{2000} = 2.2735°$



S/N = 9.37

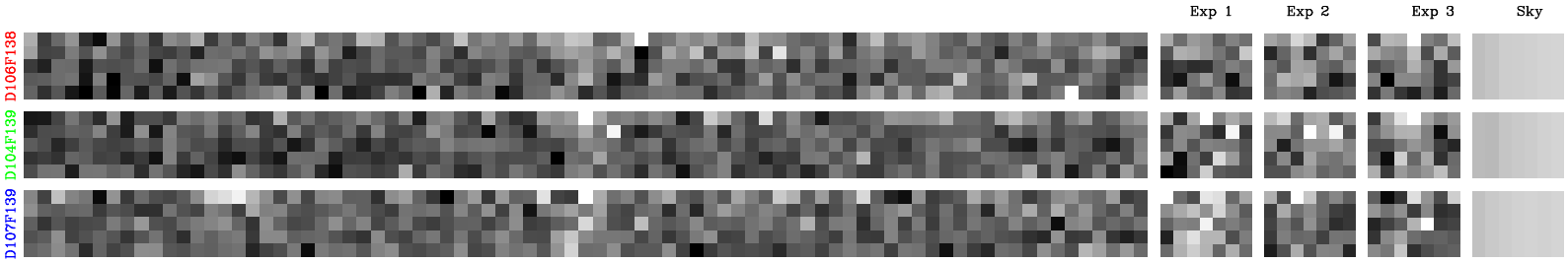
$FWHM_{obs}$ = 6.16Å

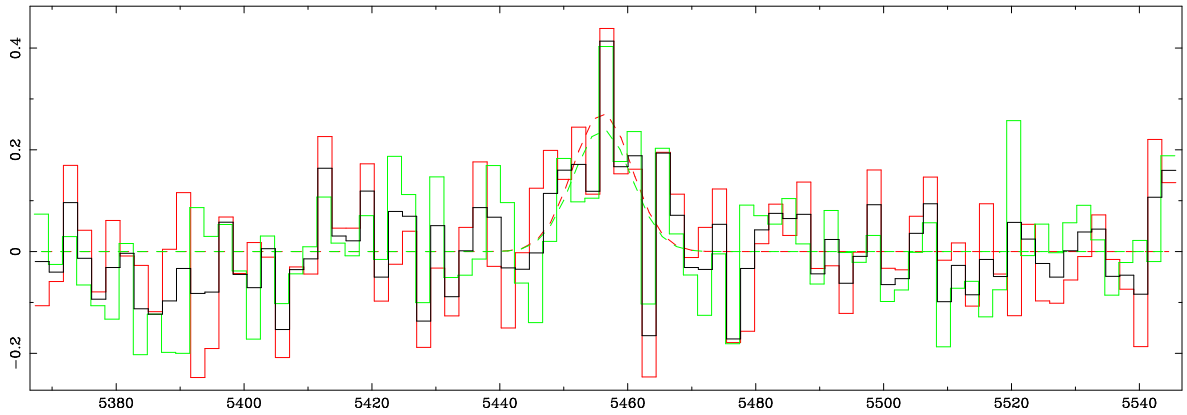
λ_{obs} = 4535.81Å

EW_{obs} = 7.66Å

α_{2000} = 150.0694°

δ_{2000} = 2.2721°





$S/N = 5.91$

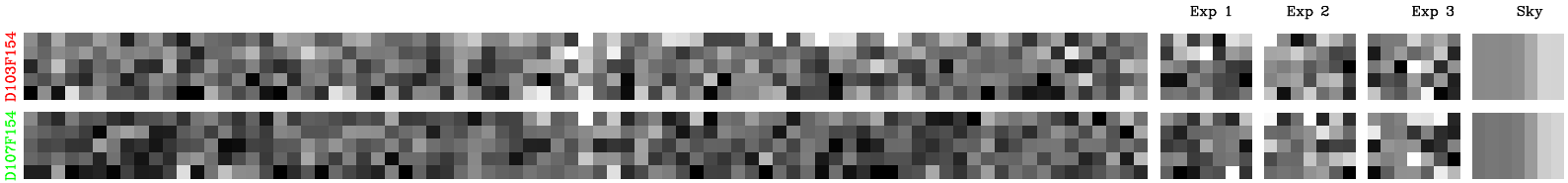
$FWHM_{obs} = 10.78Å$

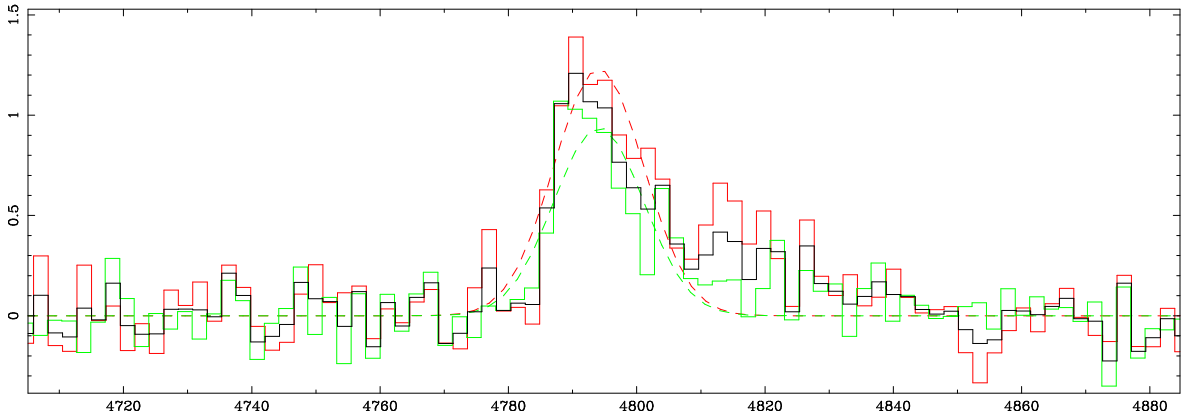
$\lambda_{obs} = 5456.03Å$

$EW_{obs} > 84.09Å$

$\alpha_{2000} = 150.0712°$

$\delta_{2000} = 2.2706°$





$S/N = 22.00$

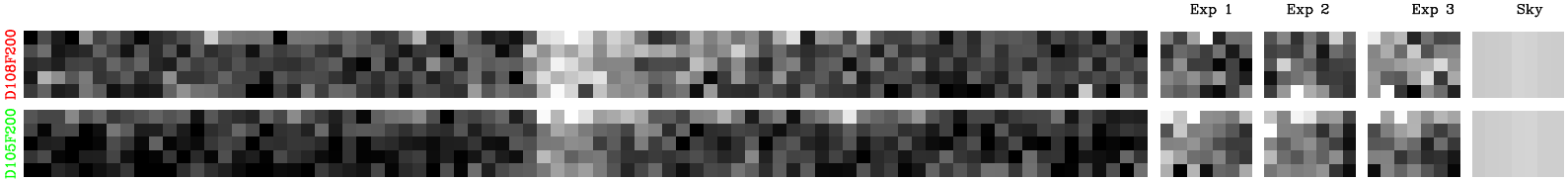
$FWHM_{obs} = 16.51Å$

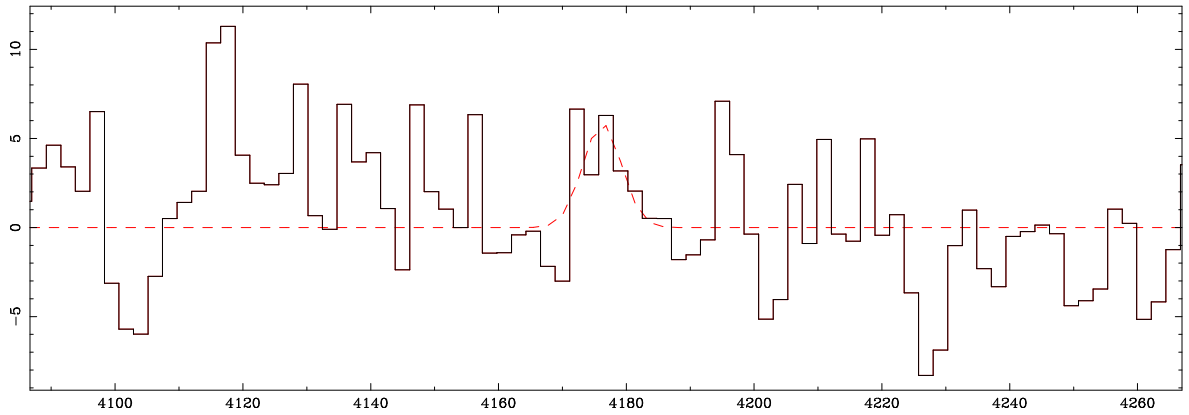
$\lambda_{obs} = 4794.08Å$

$EW_{obs} = 281.50Å$

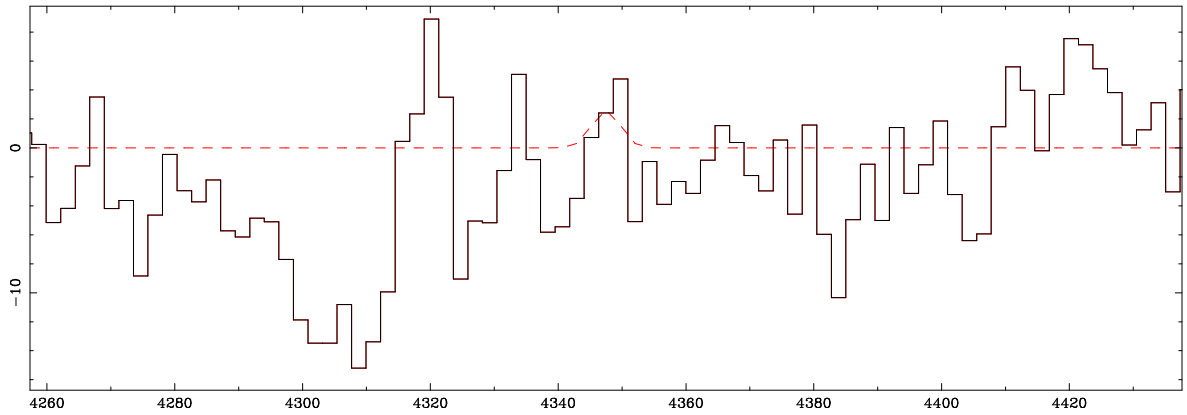
$\alpha_{2000} = 150.0760°$

$\delta_{2000} = 2.2642°$

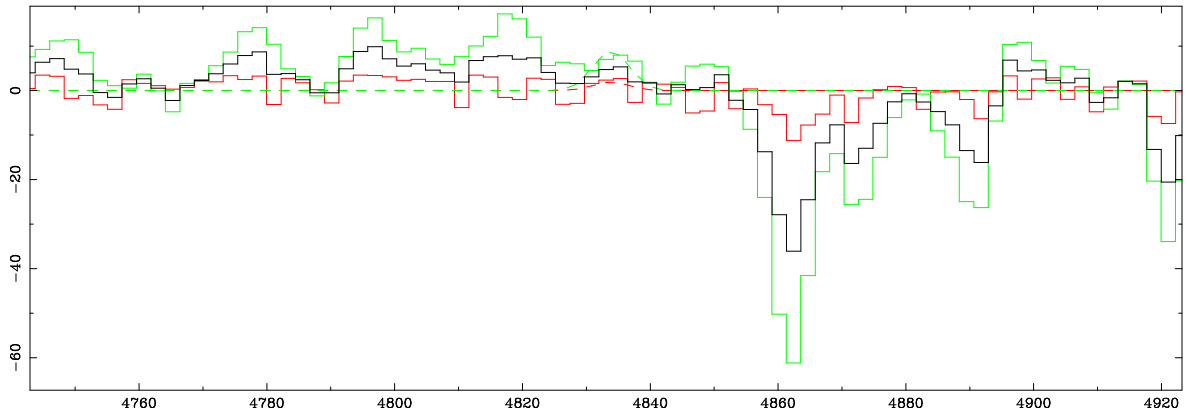




S/N = 16.62
$FWHM_{obs}$ = 7.10Å
λ_{obs} = 4176.22Å
EW_{obs} = 1.31Å
α_{2000} = 150.0686°
δ_{2000} = 2.2737°



S/N = 10.34
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 4347.49Å
EW_{obs} = 0.50Å
α_{2000} = 150.0686°
δ_{2000} = 2.2736°



$S/N = 15.97$

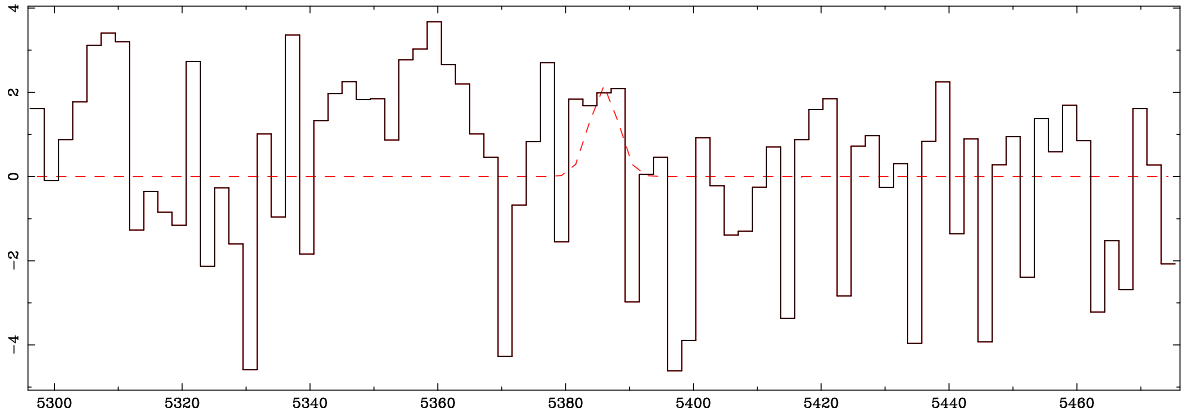
$FWHM_{obs} = 6.59Å$

$\lambda_{obs} = 4833.88Å$

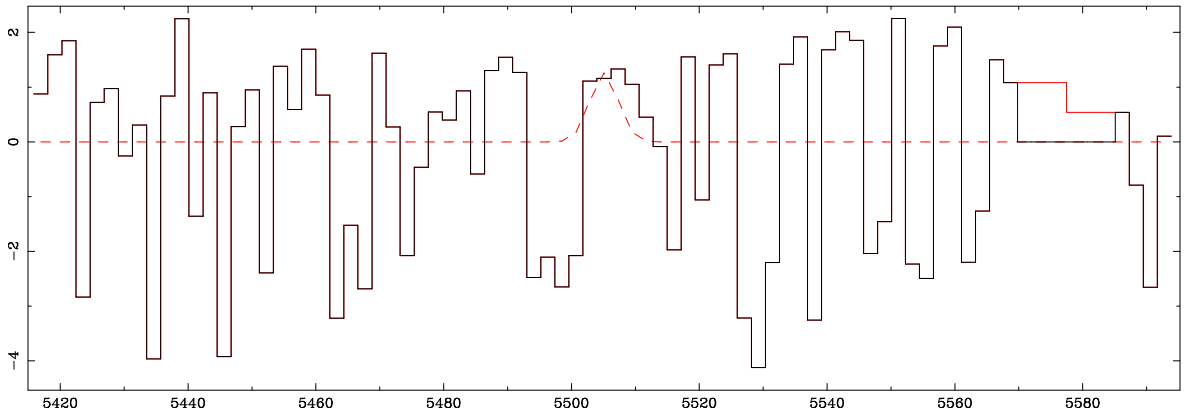
$EW_{obs} = 0.28Å$

$\alpha_{2000} = 150.0680°$

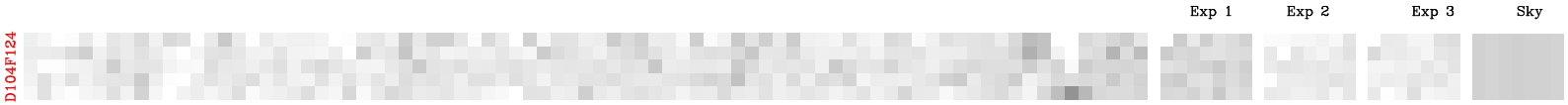
$\delta_{2000} = 2.2736°$

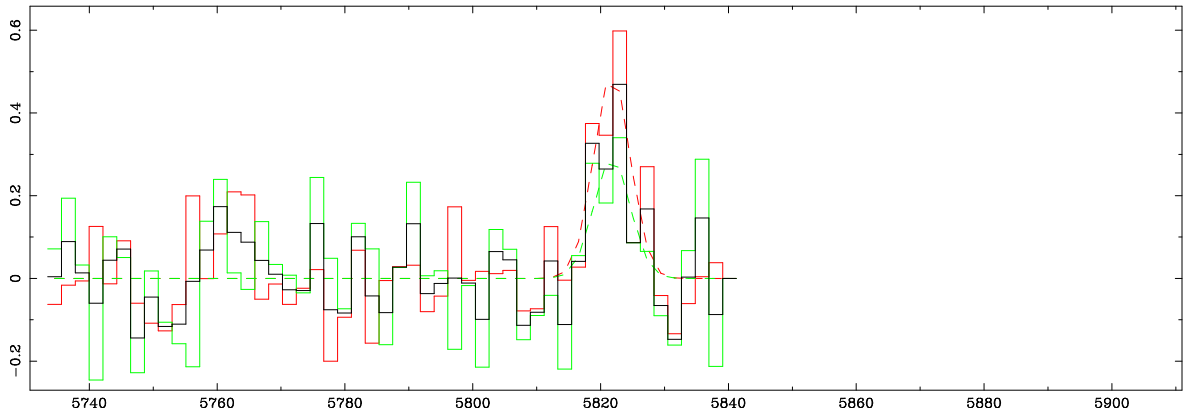


S/N = 9.09
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5385.99Å
EW_{obs} = 0.47Å
α_{2000} = 150.0685°
δ_{2000} = 2.2736°



S/N = 7.67
$FWHM_{obs}$ = 5.21Å
λ_{obs} = 5505.11Å
EW_{obs} = 0.41Å
α_{2000} = 150.0685°
δ_{2000} = 2.2735°





$S/N = 5.93$

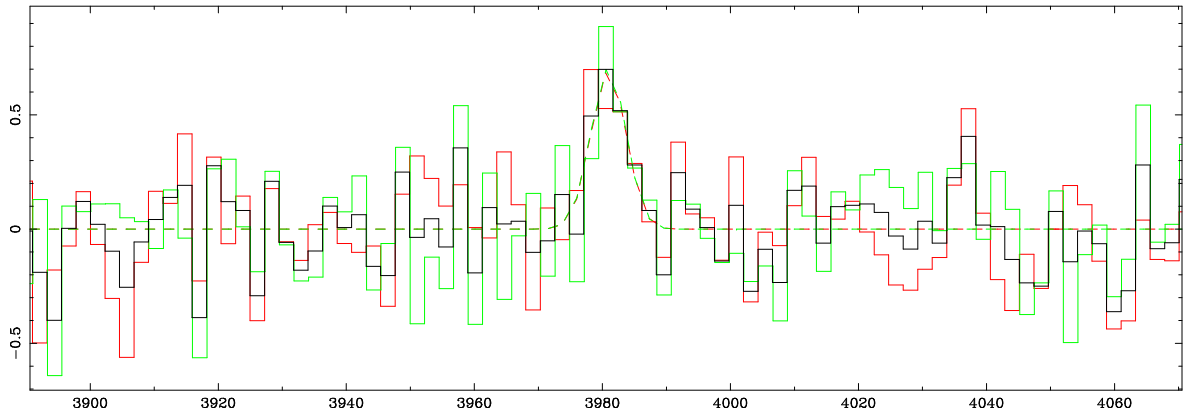
$FWHM_{obs} = 6.64Å$

$\lambda_{obs} = 5821.78Å$

$EW_{obs} > 50.83Å$

$\alpha_{2000} = 150.0648°$

$\delta_{2000} = 2.2716°$



S/N = 5.31

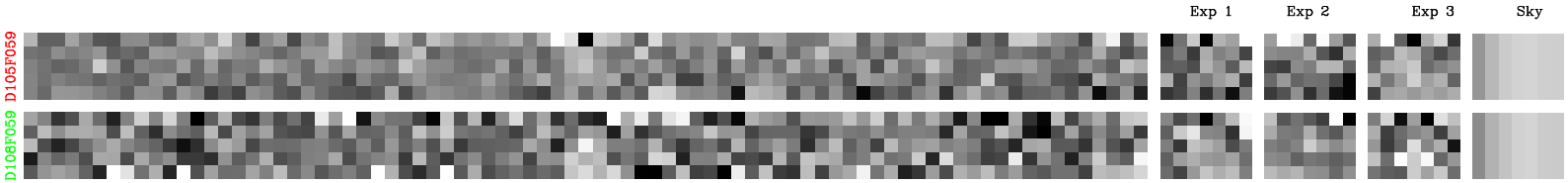
$FWHM_{obs}$ = 6.42Å

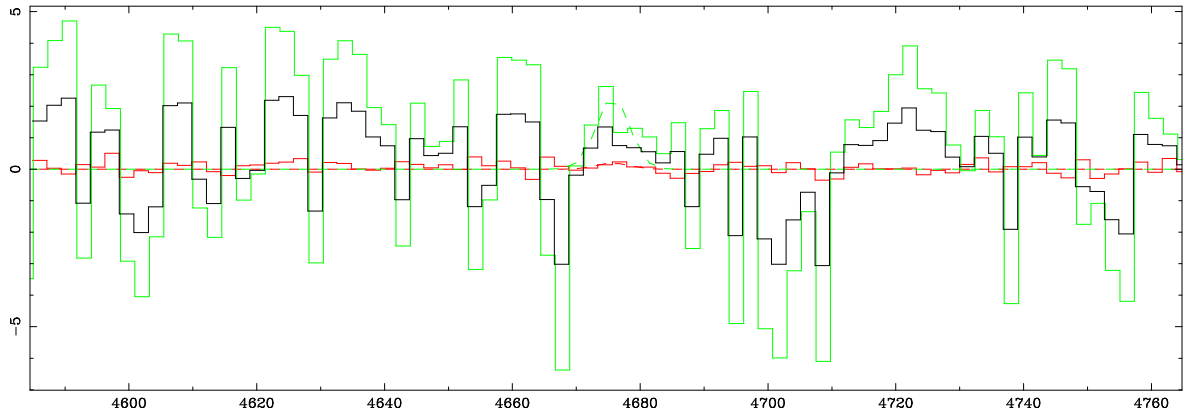
λ_{obs} = 3980.95Å

EW_{obs} > 60.13Å

α_{2000} = 150.0552°

δ_{2000} = 2.2803°





S/N = 8.74

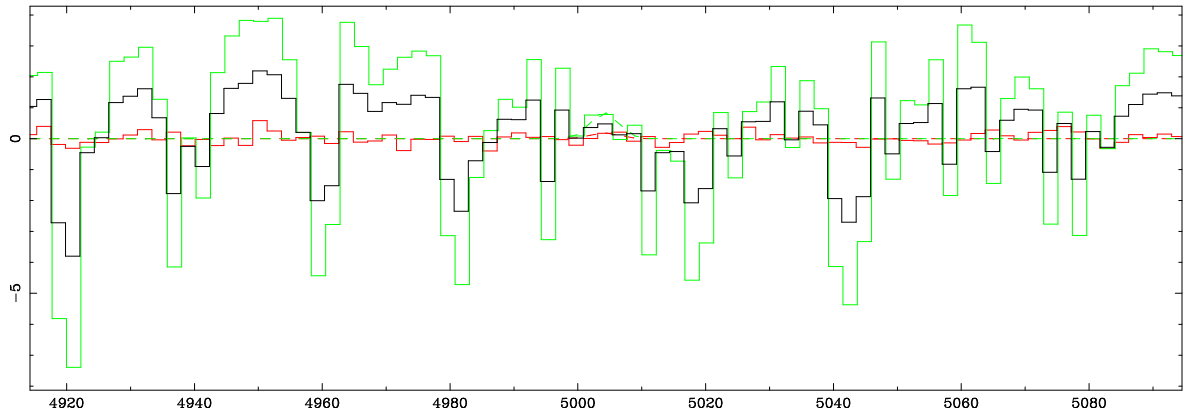
$FWHM_{obs}$ = 6.08Å

λ_{obs} = 4675.73Å

EW_{obs} = 0.44Å

α_{2000} = 150.0686°

δ_{2000} = 2.2736°



S/N = 5.54

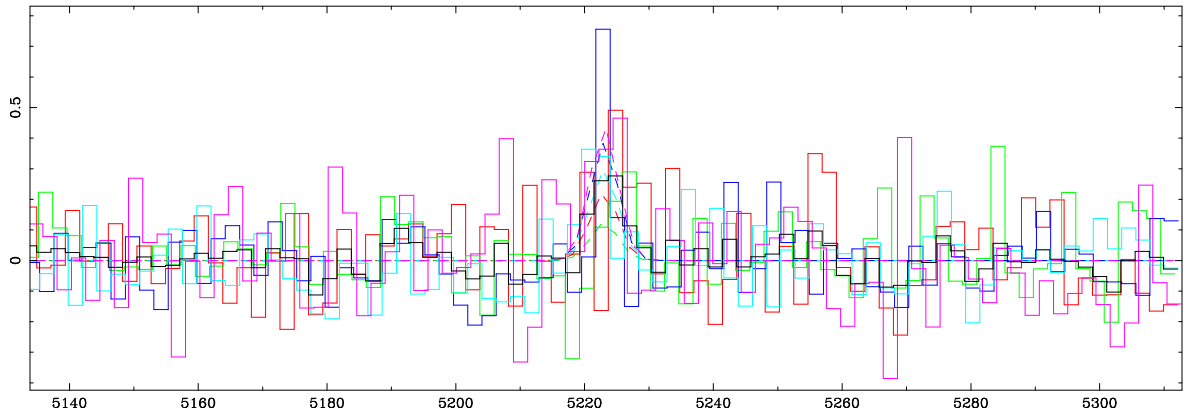
$FWHM_{obs}$ = 5.21Å

λ_{obs} = 5004.19Å

EW_{obs} = 0.27Å

α_{2000} = 150.0686°

δ_{2000} = 2.2735°



$S/N = 6.36$

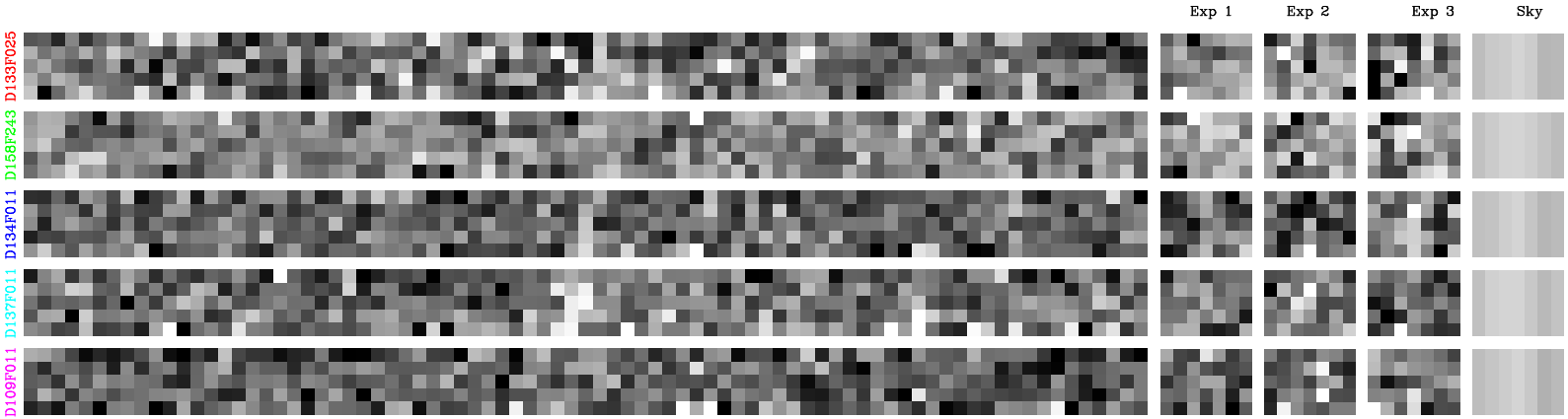
$FWHM_{obs} = 5.20Å$

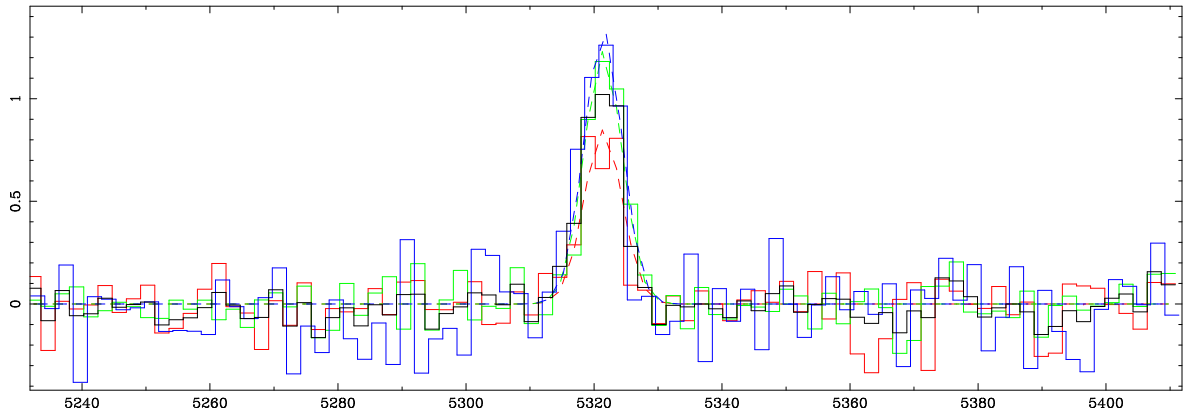
$\lambda_{obs} = 5223.02Å$

$EW_{obs} > 66.91Å$

$\alpha_{2000} = 150.0727°$

$\delta_{2000} = 2.3178°$





S/N = 18.29

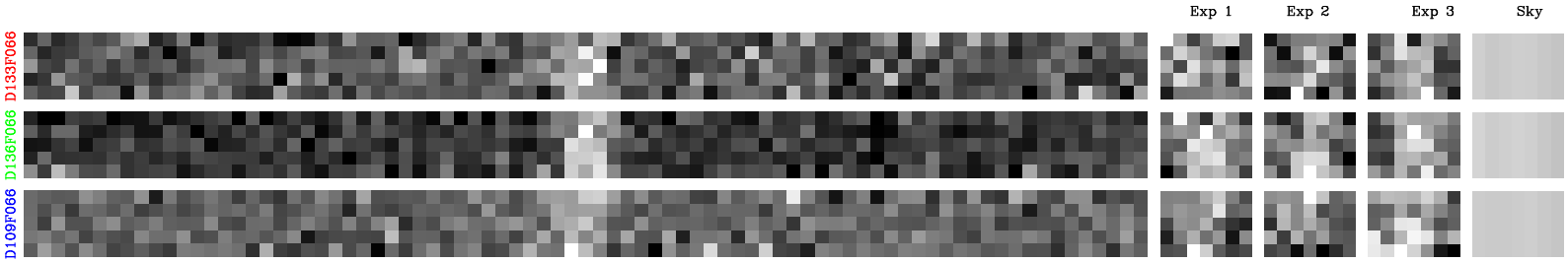
$FWHM_{obs}$ = 6.97Å

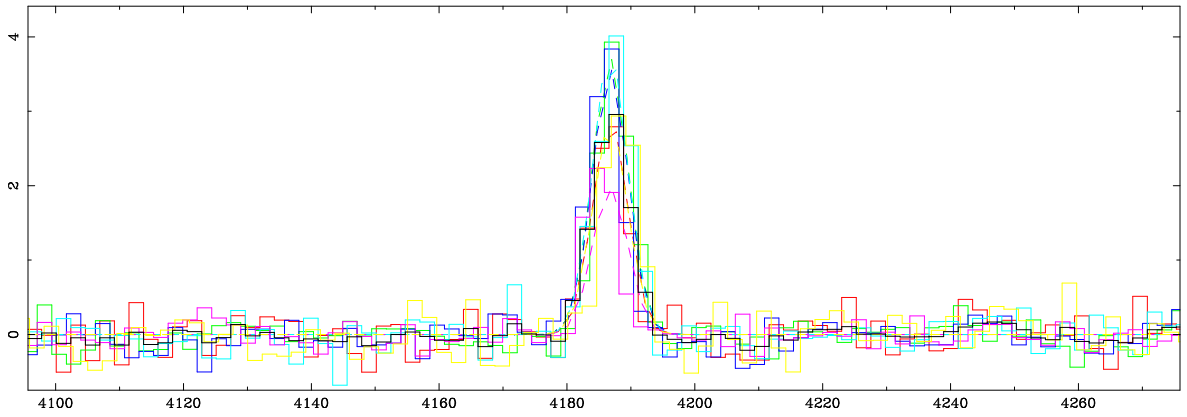
λ_{obs} = 5321.41Å

EW_{obs} = 73.82Å

α_{2000} = 150.0674°

δ_{2000} = 2.3111°





$S/N = 44.20$

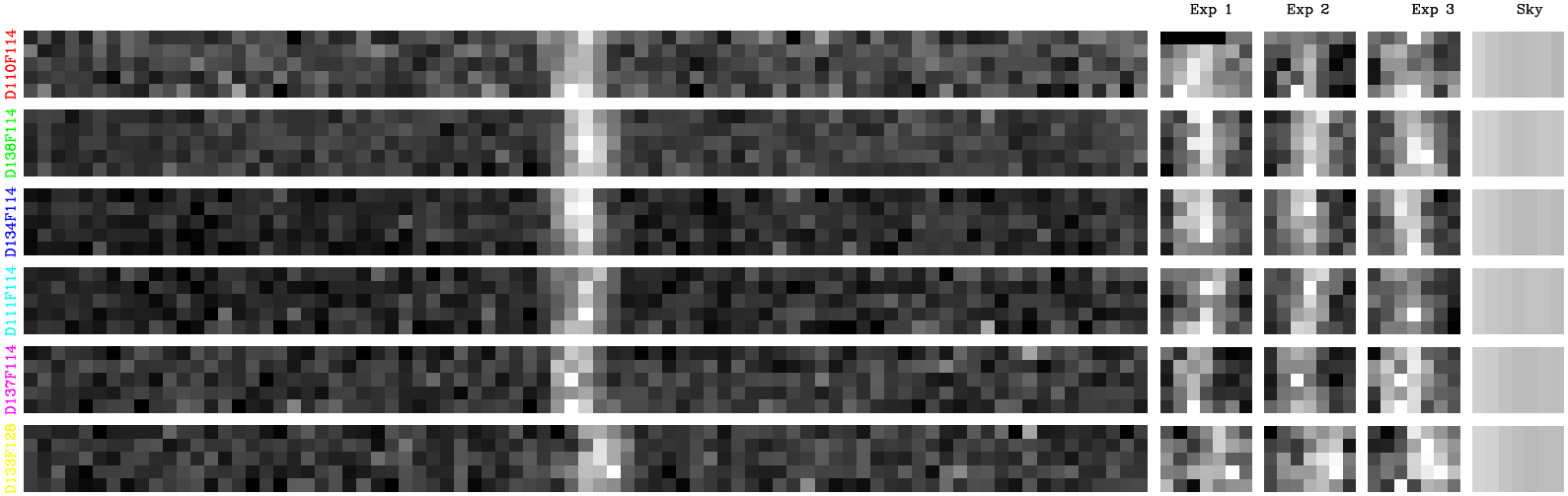
$FWHM_{obs} = 6.51Å$

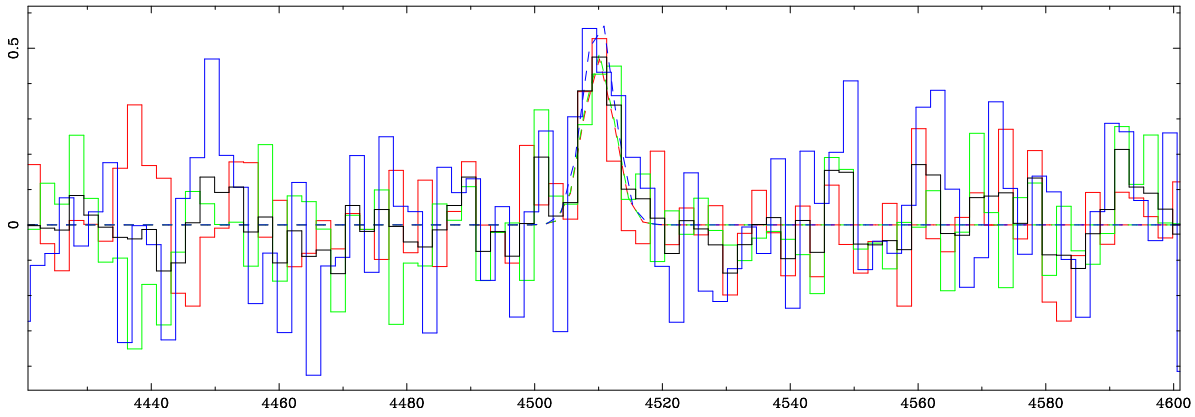
$\lambda_{obs} = 4186.76Å$

$EW_{obs} = 44.48Å$

$\alpha_{2000} = 150.0754°$

$\delta_{2000} = 2.3052°$





$S/N = 6.30$

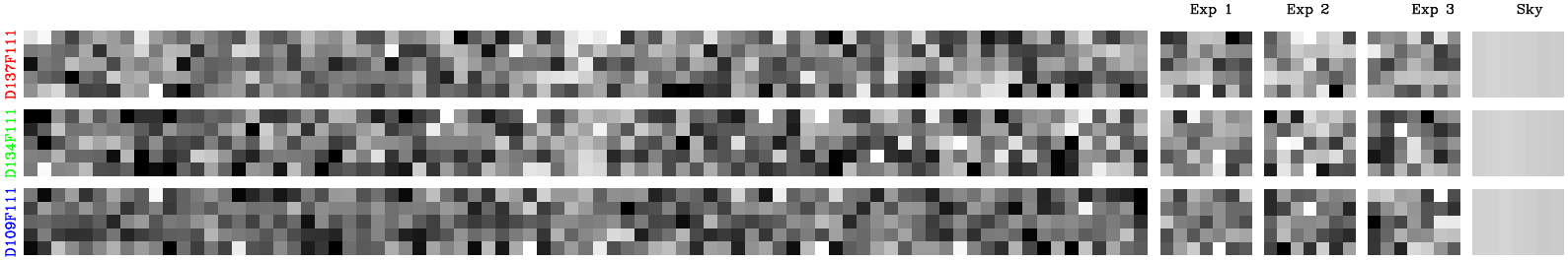
$FWHM_{obs} = 5.71$Å

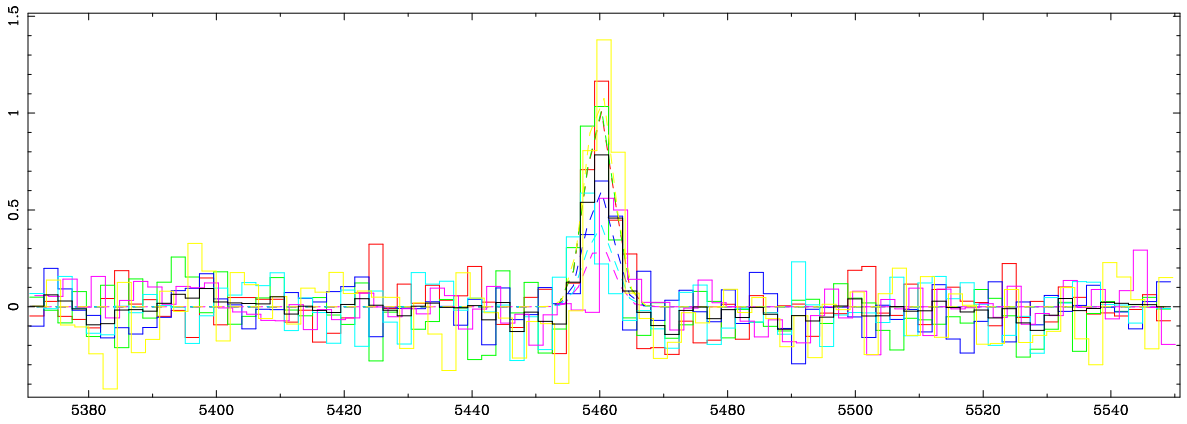
$\lambda_{obs} = 4510.02$Å

$EW_{obs} > 60.84$Å

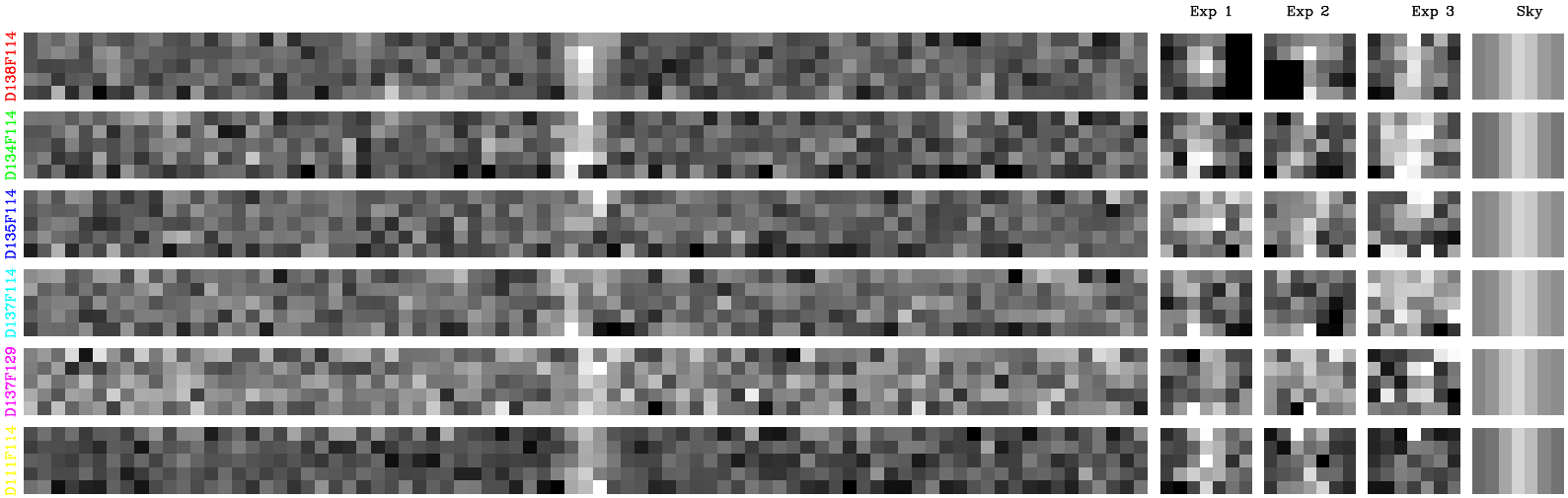
$\alpha_{2000} = 150.0696°$

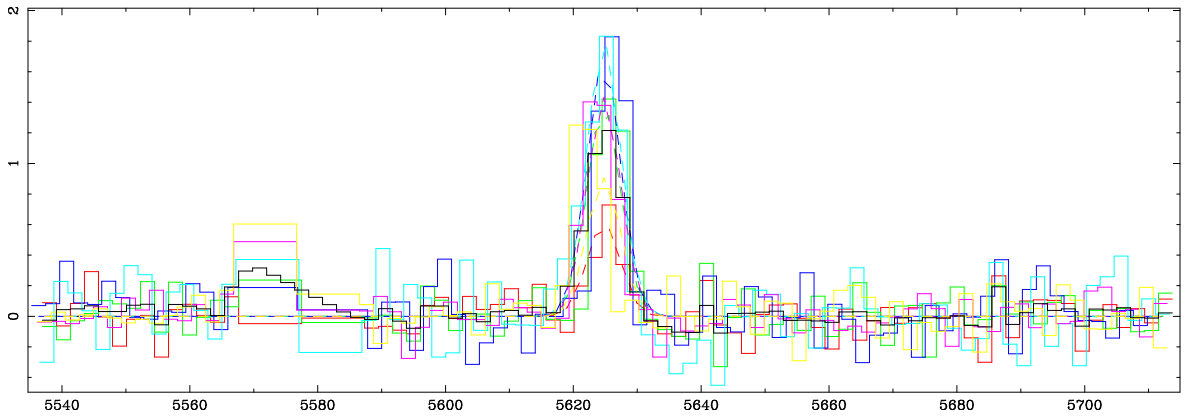
$\delta_{2000} = 2.3060°$





S/N = 14.29
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5459.96Å
EW_{obs} = 7.30Å
α_{2000} = 150.0758°
δ_{2000} = 2.3051°





$S/N = 28.17$

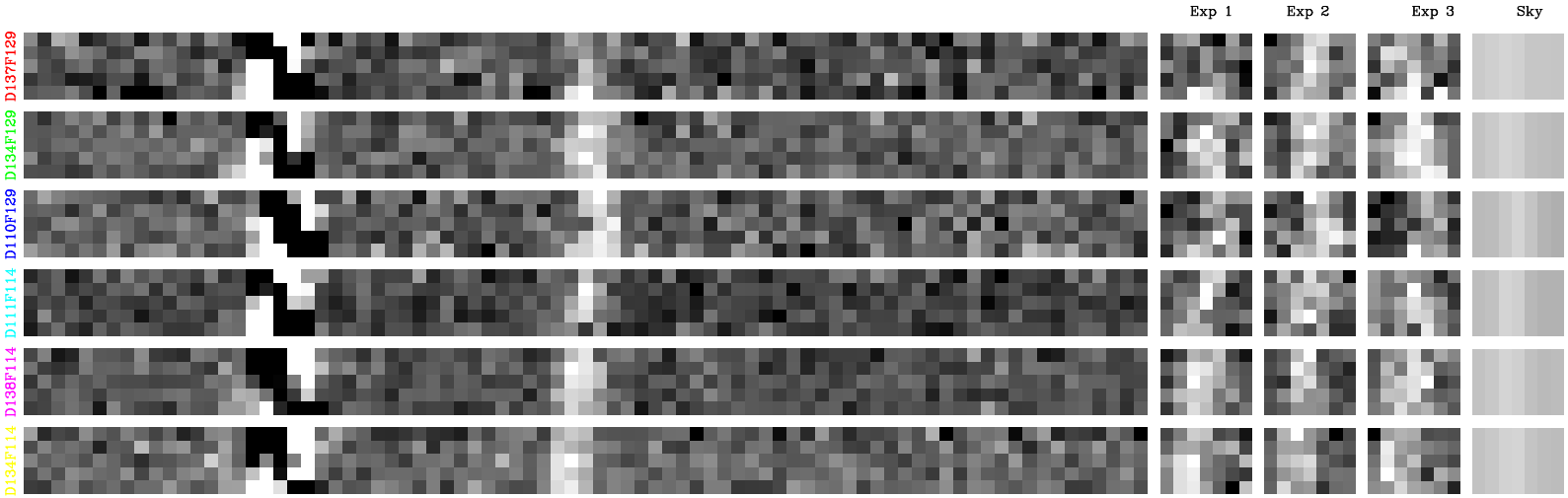
$FWHM_{obs} = 6.20$Å

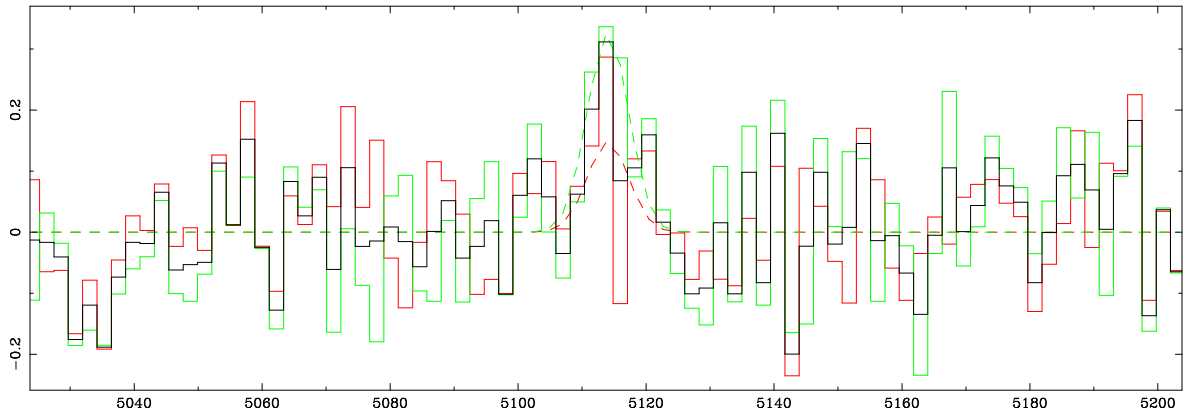
$\lambda_{obs} = 5624.77$Å

$EW_{obs} = 16.18$Å

$\alpha_{2000} = 150.0759°$

$\delta_{2000} = 2.3044°$





$S/N = 5.41$

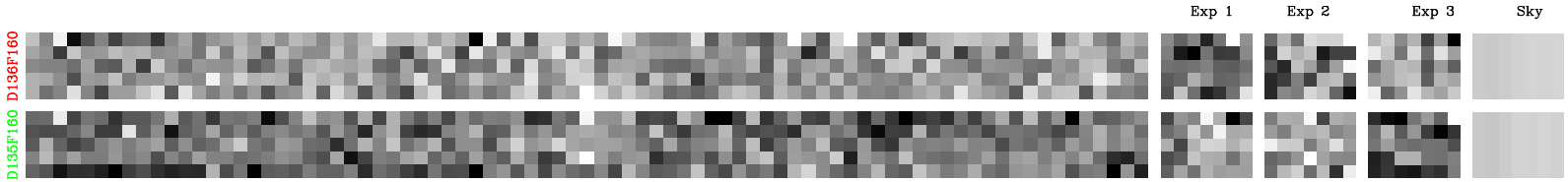
$FWHM_{obs} = 7.62Å$

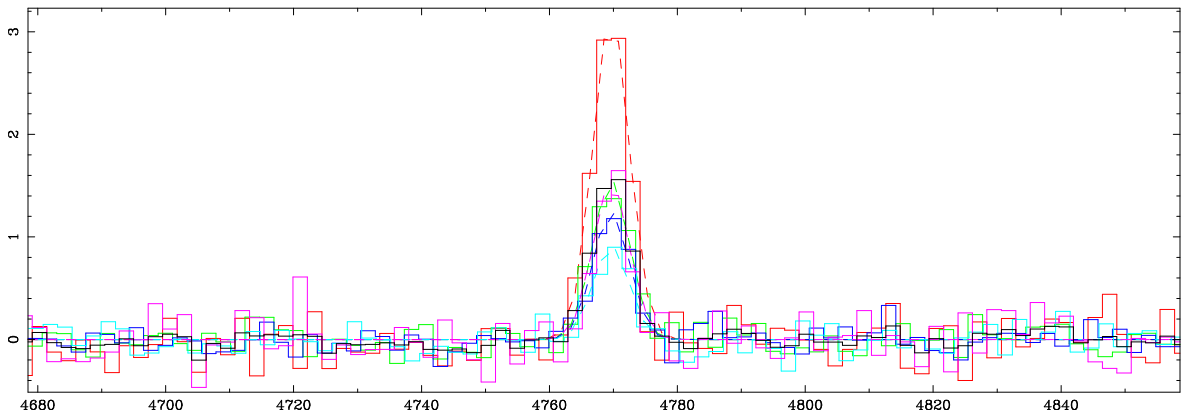
$\lambda_{obs} = 5114.05Å$

$EW_{obs} > 64.44Å$

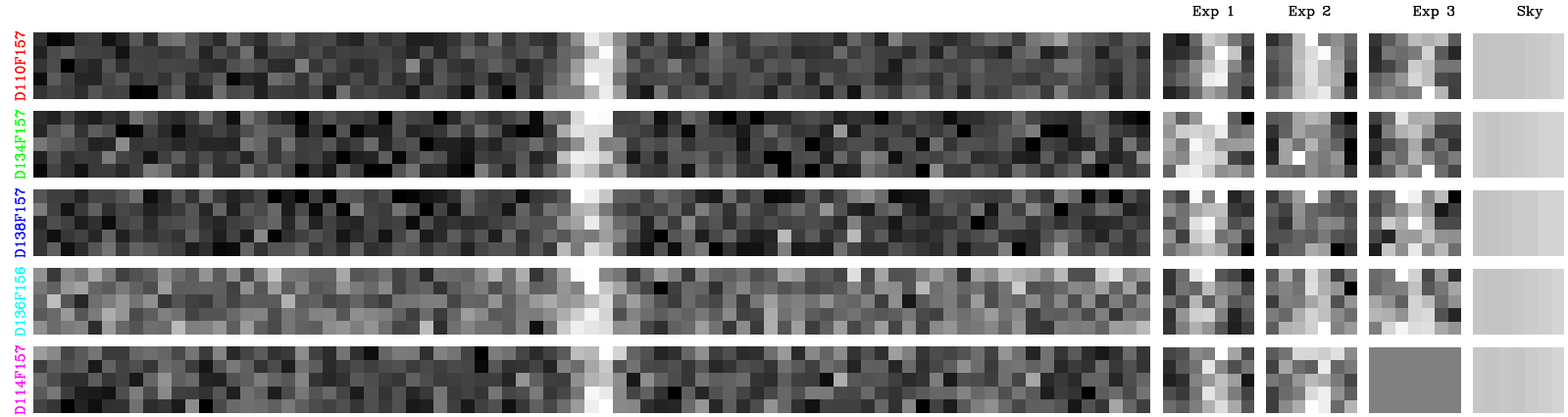
$\alpha_{2000} = 150.0524°$

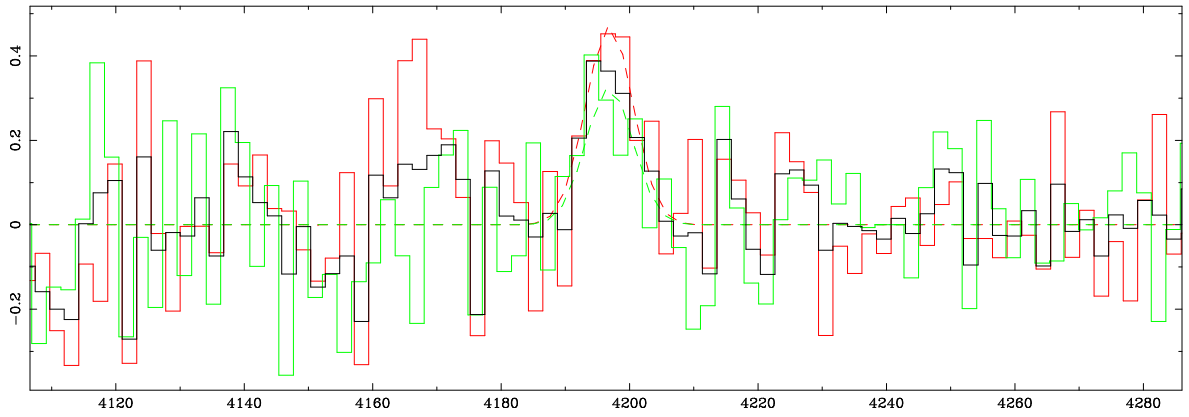
$\delta_{2000} = 2.2985°$





S/N = 34.49
$FWHM_{obs}$ = 6.71Å
λ_{obs} = 4769.64Å
EW_{obs} = 56.52Å
α_{2000} = 150.0740°
δ_{2000} = 2.3000°





S/N = 5.62

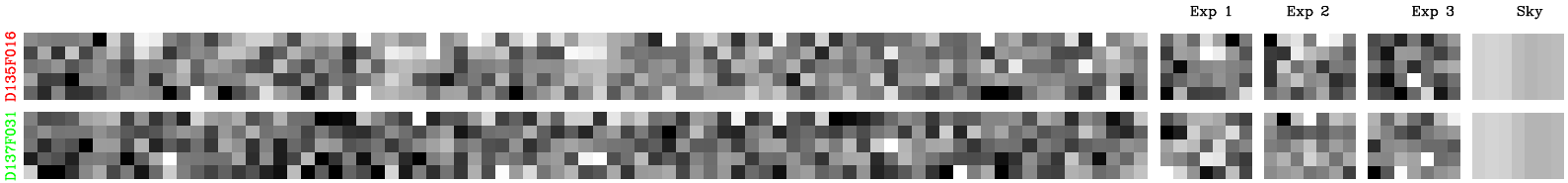
$FWHM_{obs}$ = 8.69Å

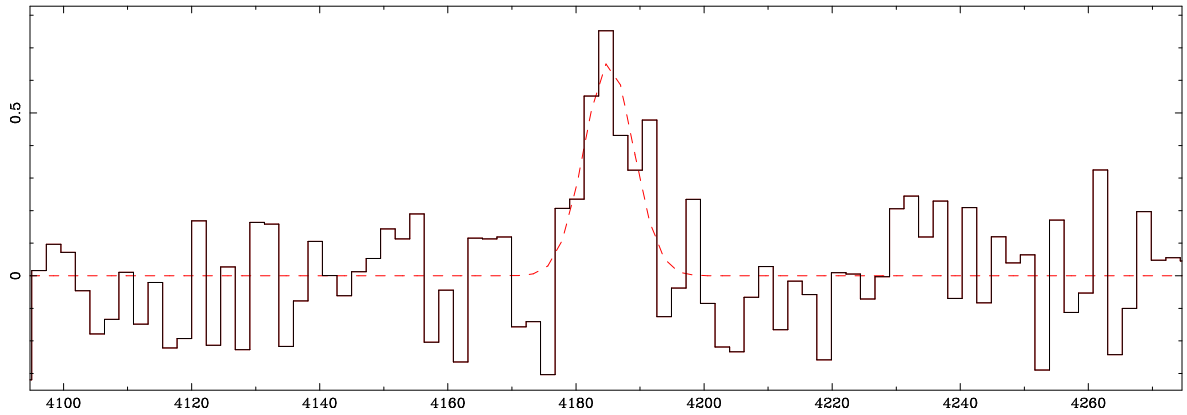
λ_{obs} = 4196.86Å

EW_{obs} > 68.93Å

α_{2000} = 150.0546°

δ_{2000} = 2.3156°





$S/N = 6.86$

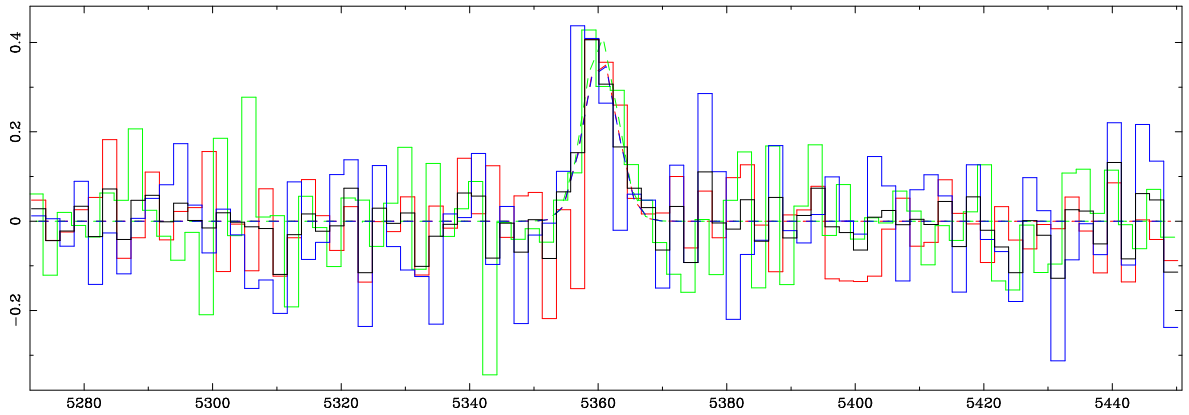
$FWHM_{obs} = 9.04$Å

$\lambda_{obs} = 4185.14$Å

$EW_{obs} > 93.69$Å

$\alpha_{2000} = 150.0612°$

$\delta_{2000} = 2.2965°$



S/N = 7.02

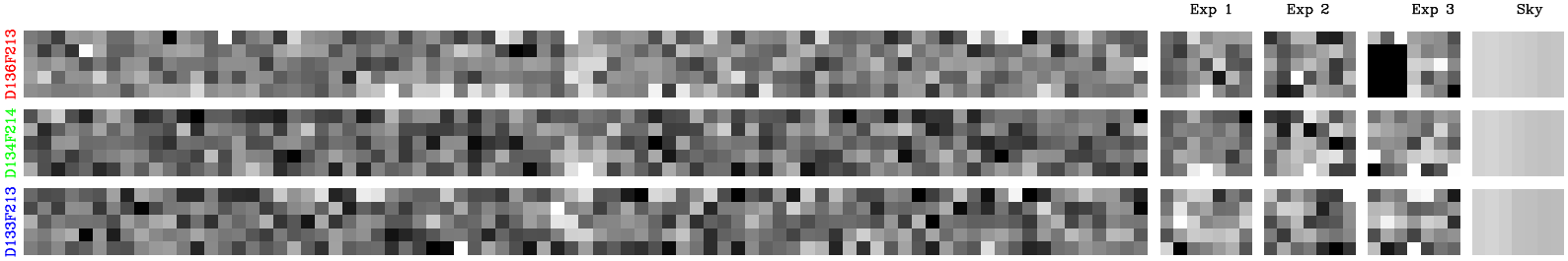
$FWHM_{obs}$ = 6.13Å

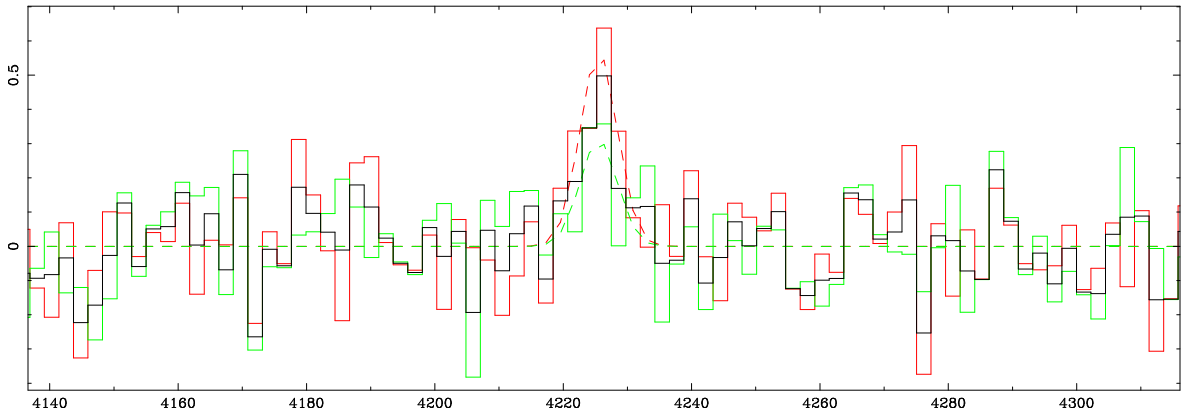
λ_{obs} = 5360.31Å

EW_{obs} > 75.37Å

α_{2000} = 150.0717°

δ_{2000} = 2.2935°





$S/N = 5.34$

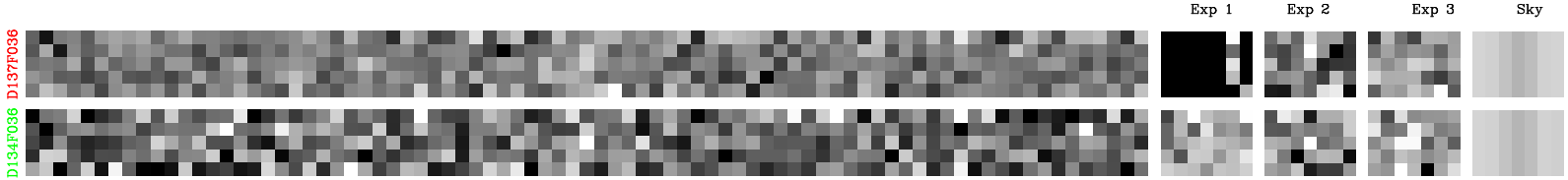
$FWHM_{obs} = 6.87Å$

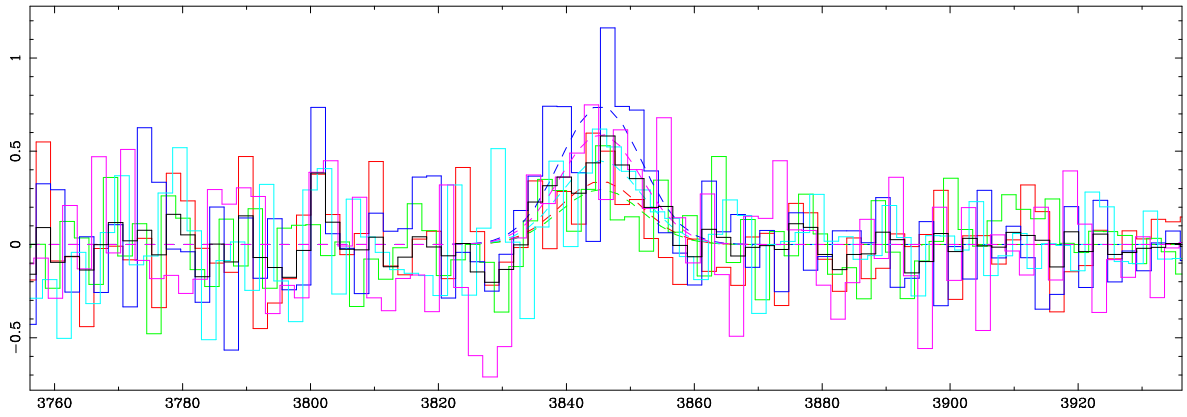
$\lambda_{obs} = 4225.53Å$

$EW_{obs} > 60.19Å$

$\alpha_{2000} = 150.0647°$

$\delta_{2000} = 2.3149°$





$S/N = 8.41$

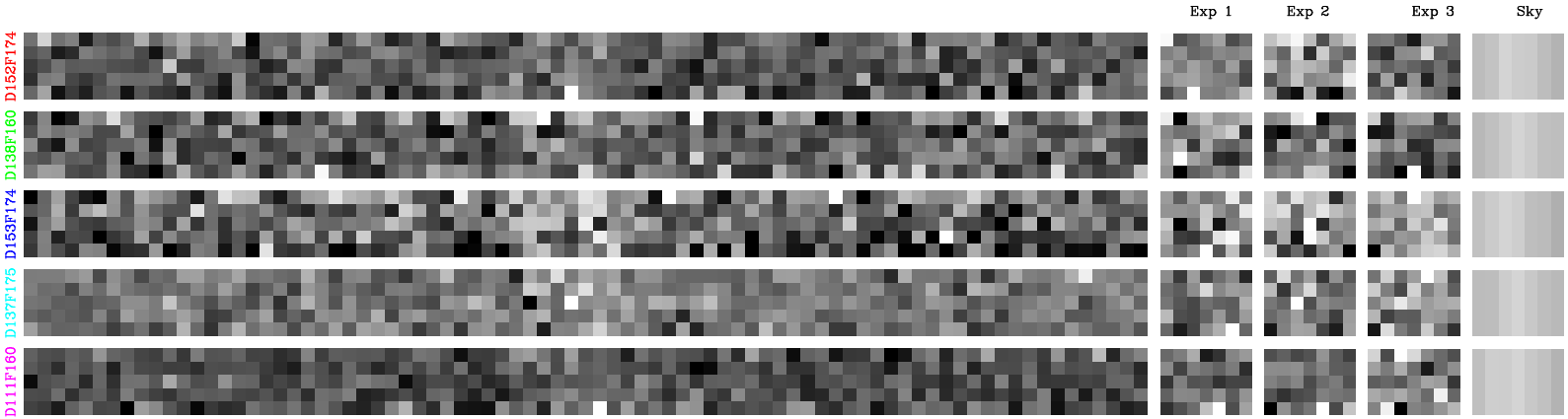
$FWHM_{obs} = 14.87Å$

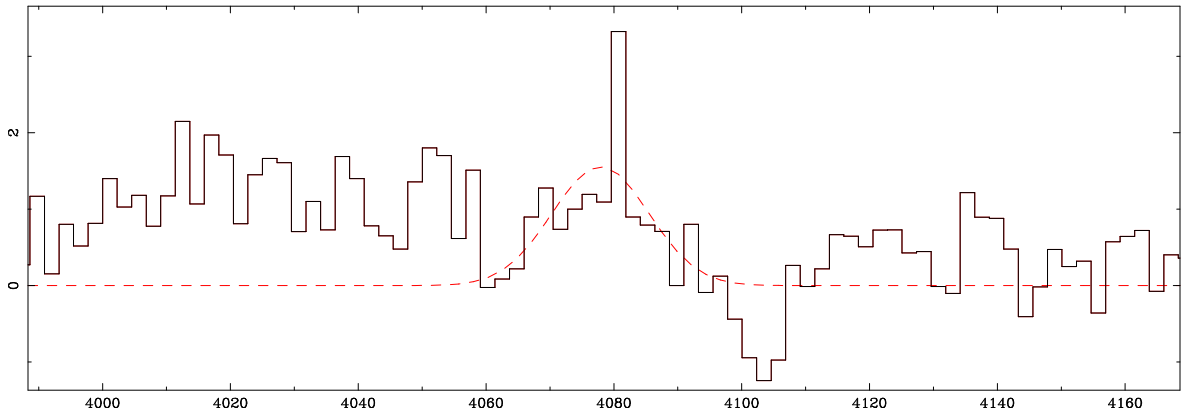
$\lambda_{obs} = 3845.37Å$

$EW_{obs} > 159.90Å$

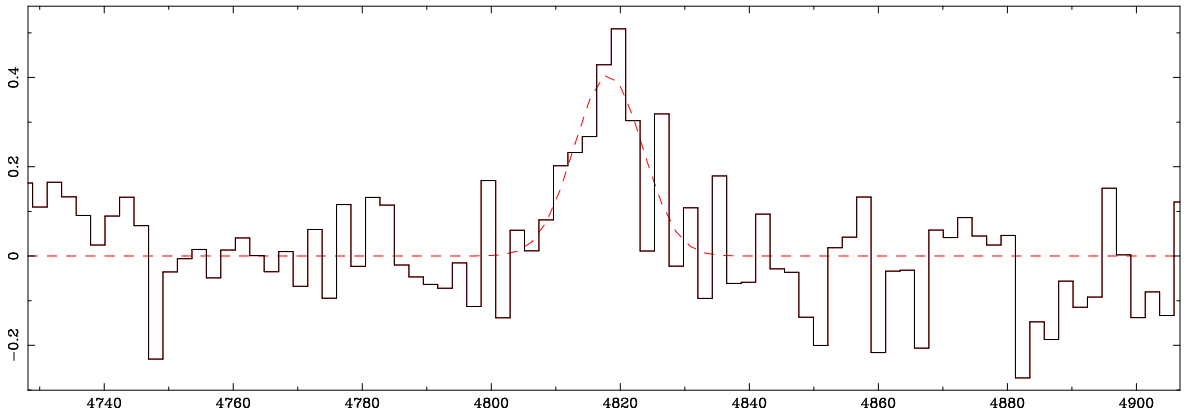
$\alpha_{2000} = 150.0518°$

$\delta_{2000} = 2.2981°$





S/N = 8.01
$FWHM_{obs}$ = 17.87Å
λ_{obs} = 4077.90Å
EW_{obs} = 6.41Å
α_{2000} = 150.0653°
δ_{2000} = 2.3014°



S/N = 6.28

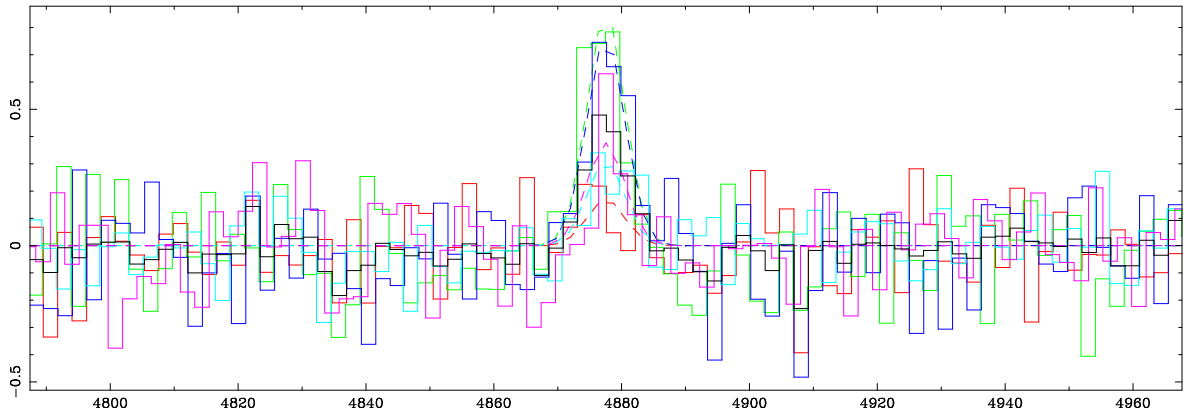
$FWHM_{obs}$ = 12.35Å

λ_{obs} = 4818.15Å

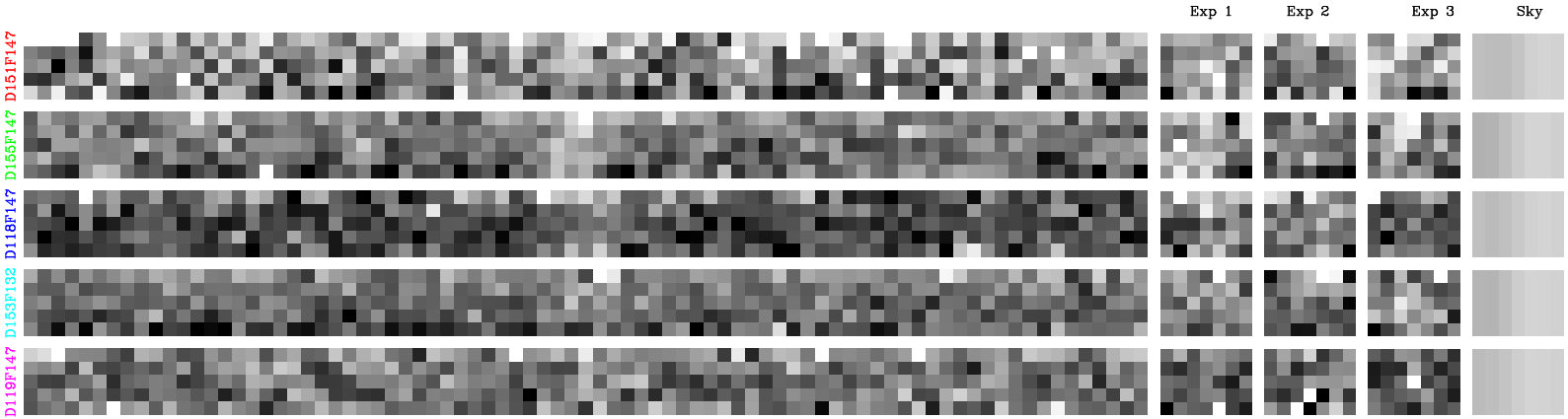
EW_{obs} > 107.66Å

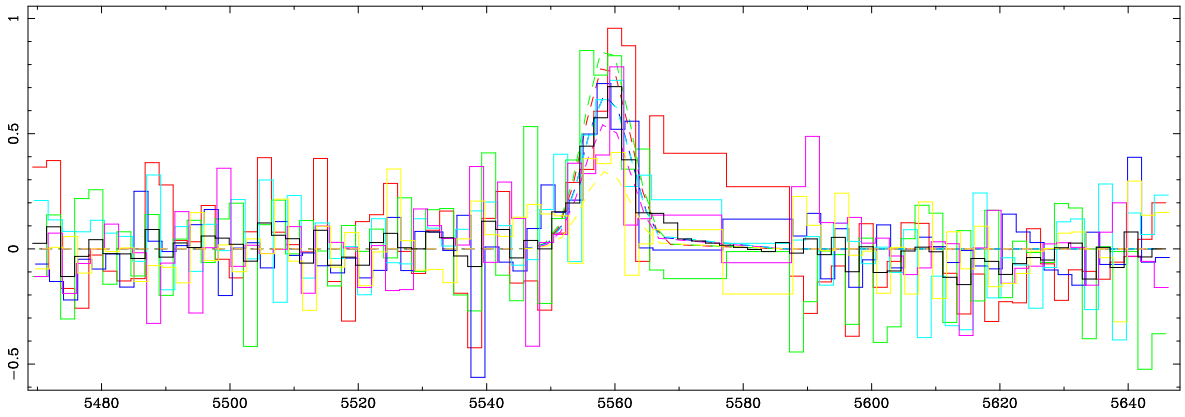
α_{2000} = 150.0331°

δ_{2000} = 2.3186°

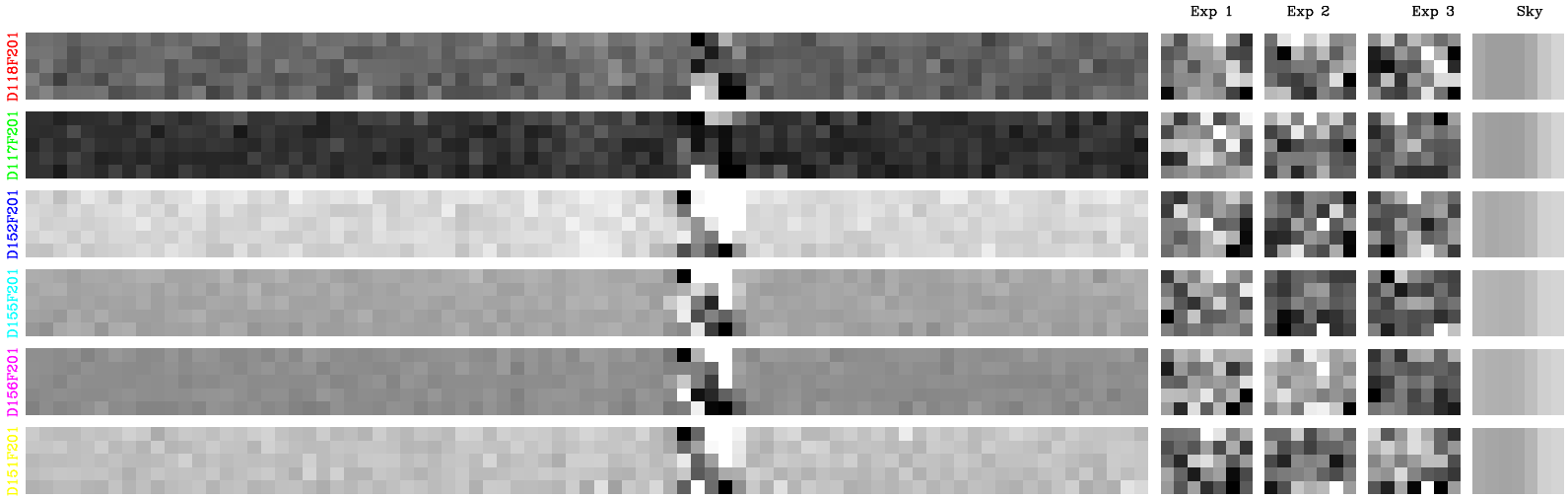


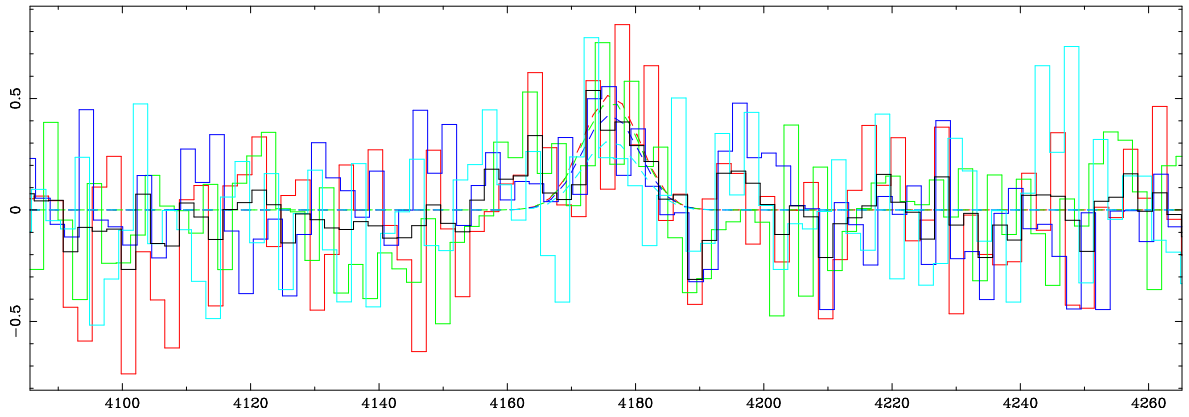
S/N = 10.16
$FWHM_{obs}$ = 7.03Å
λ_{obs} = 4877.53Å
EW_{obs} = 71.06Å
α_{2000} = 150.0263°
δ_{2000} = 2.3010°





S/N = 13.92
$FWHM_{obs}$ = 8.52Å
λ_{obs} = 5558.77Å
EW_{obs} = 95.53Å
α_{2000} = 150.0473°
δ_{2000} = 2.2950°





S/N = 5.97

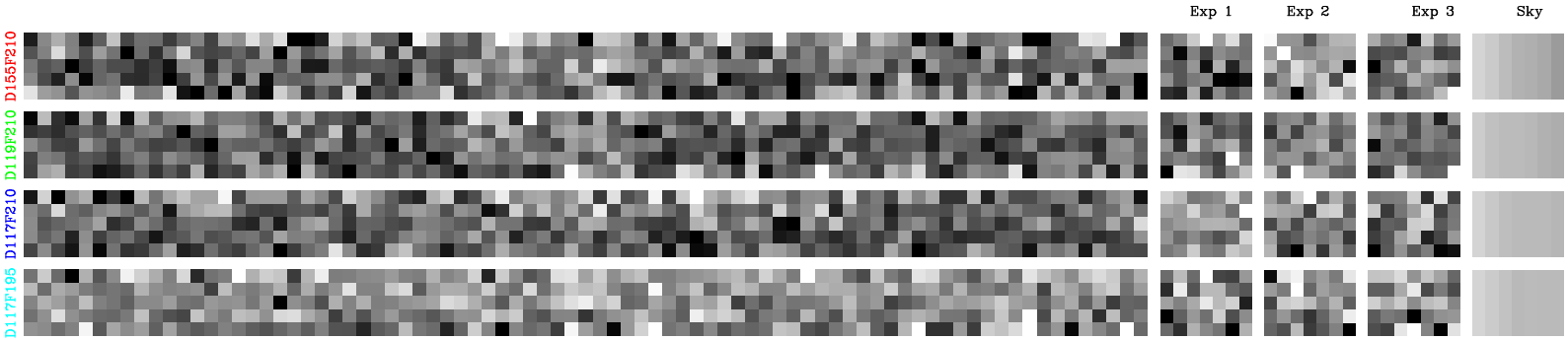
$FWHM_{obs}$ = 10.48Å

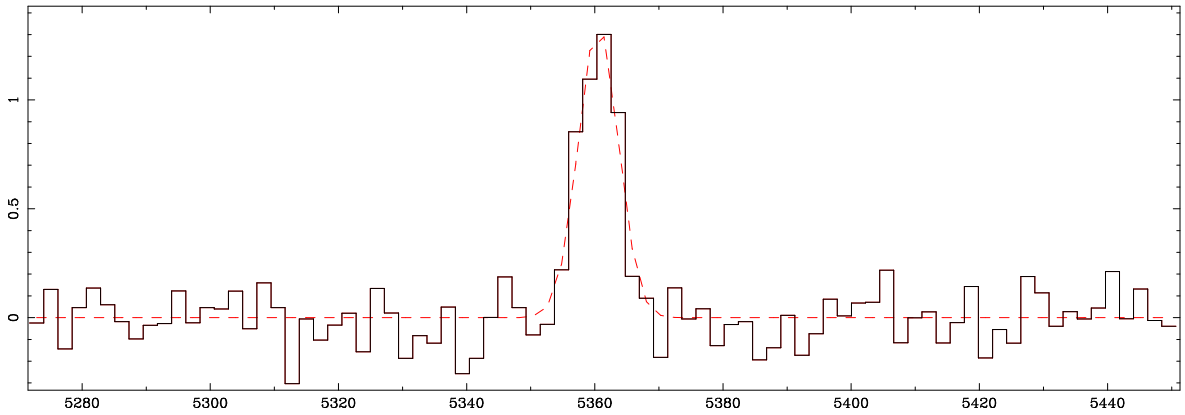
λ_{obs} = 4176.14Å

EW_{obs} > 87.33Å

α_{2000} = 150.0359°

δ_{2000} = 2.2941°





S/N = 15.67

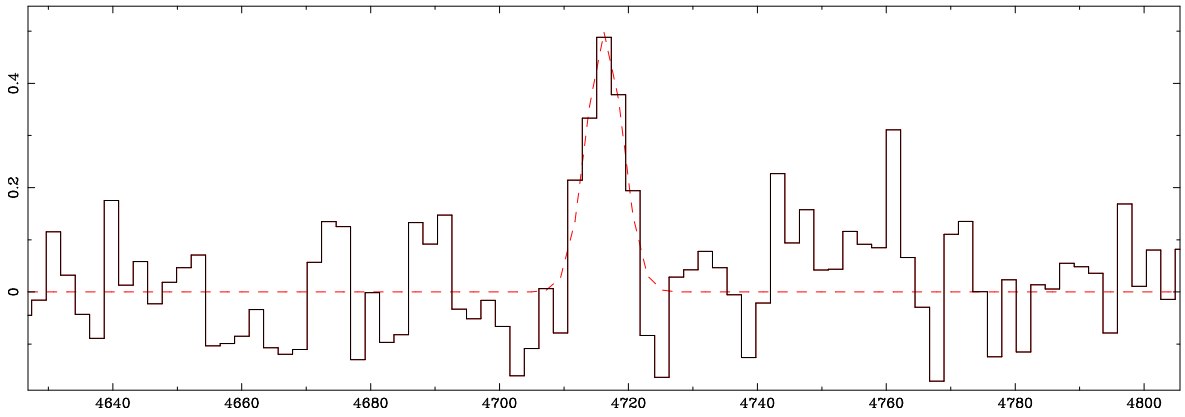
$FWHM_{obs}$ = 7.33Å

λ_{obs} = 5360.55Å

EW_{obs} = 62.85Å

α_{2000} = 150.0301°

δ_{2000} = 2.3129°



$S/N = 5.58$

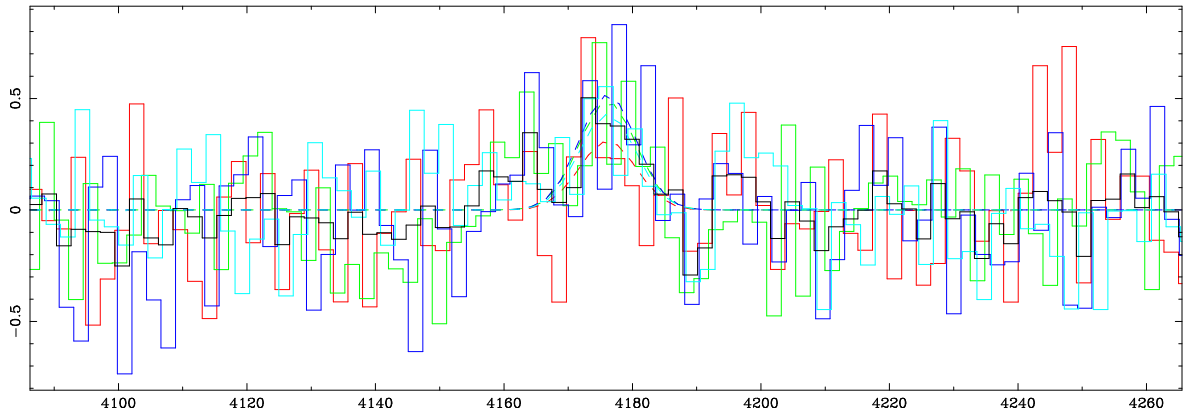
$FWHM_{obs} = 6.65Å$

$\lambda_{obs} = 4716.27Å$

$EW_{obs} > 50.89Å$

$\alpha_{2000} = 150.0362°$

$\delta_{2000} = 2.3176°$



$S/N = 5.97$

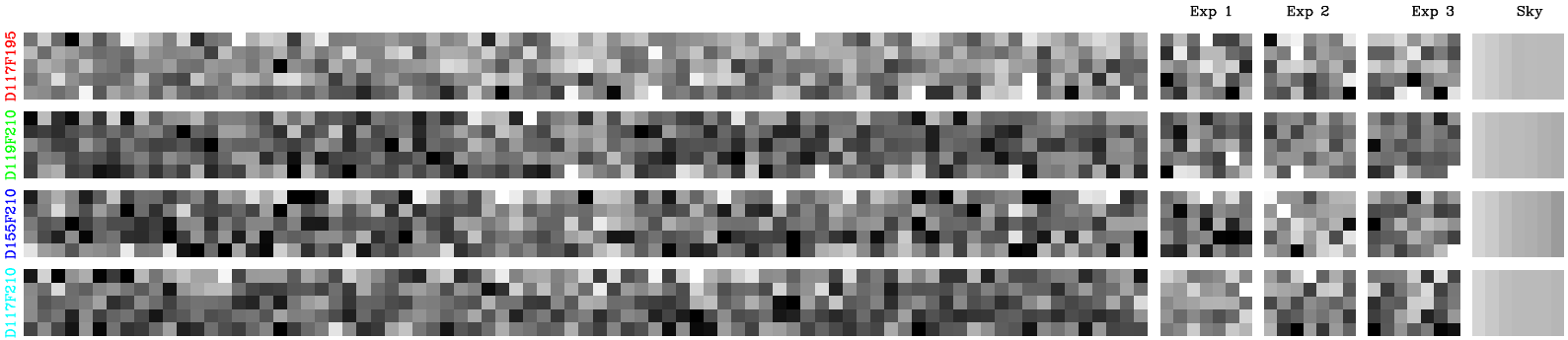
$FWHM_{obs} = 10.48Å$

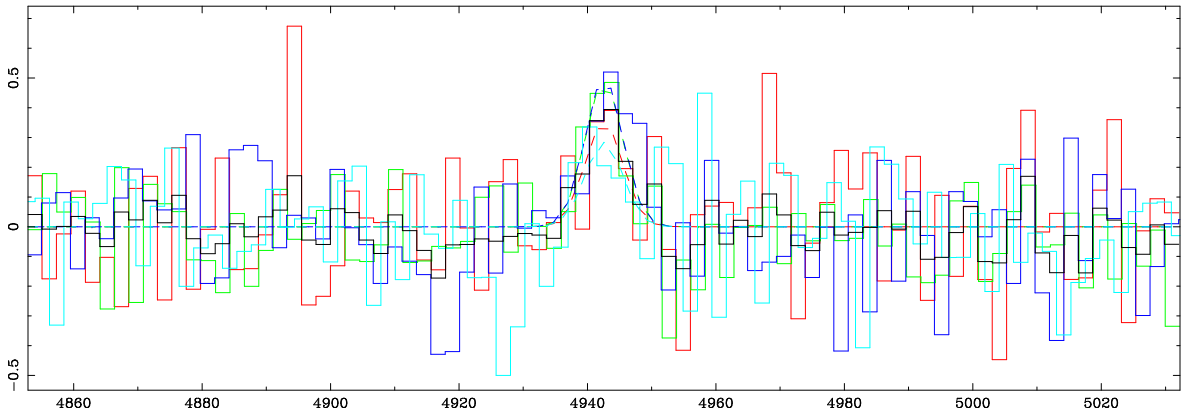
$\lambda_{obs} = 4176.14Å$

$EW_{obs} > 87.49Å$

$\alpha_{2000} = 150.0359°$

$\delta_{2000} = 2.2941°$





$S/N = 6.86$

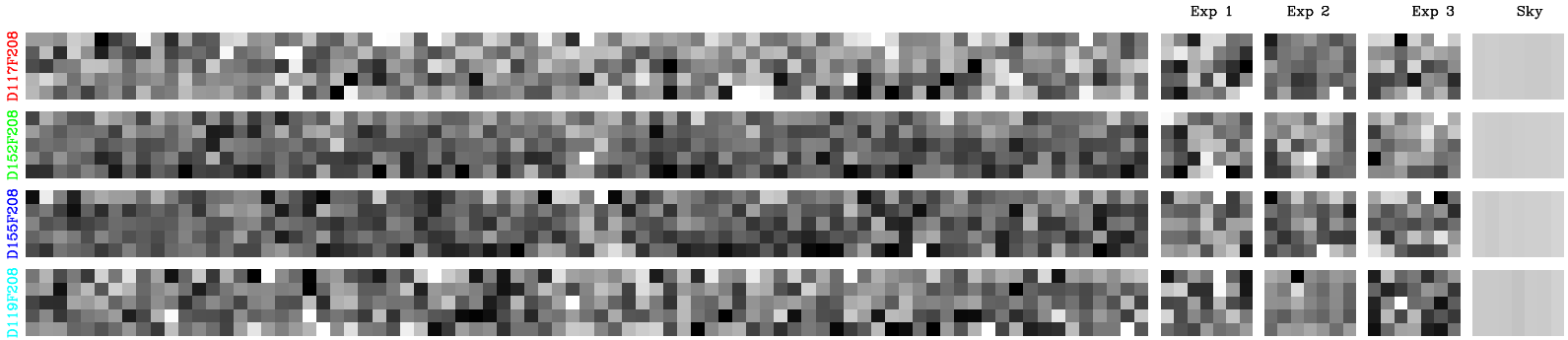
$FWHM_{obs} = 6.95$Å

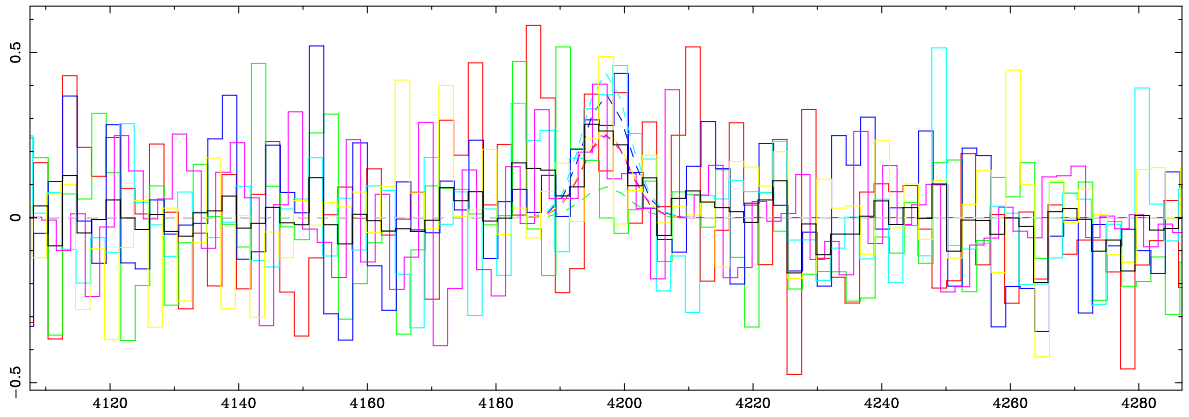
$\lambda_{obs} = 4942.56$Å

$EW_{obs} > 73.01$Å

$\alpha_{2000} = 150.0320°$

$\delta_{2000} = 2.2936°$





$S/N = 6.61$

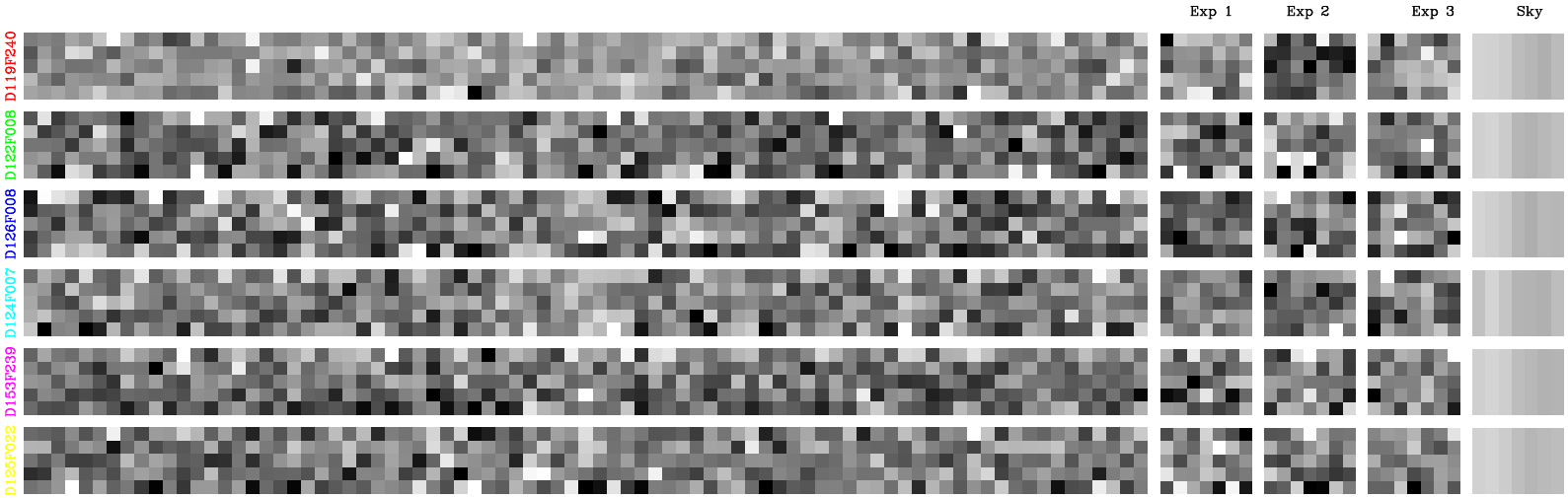
$FWHM_{obs} = 8.40Å$

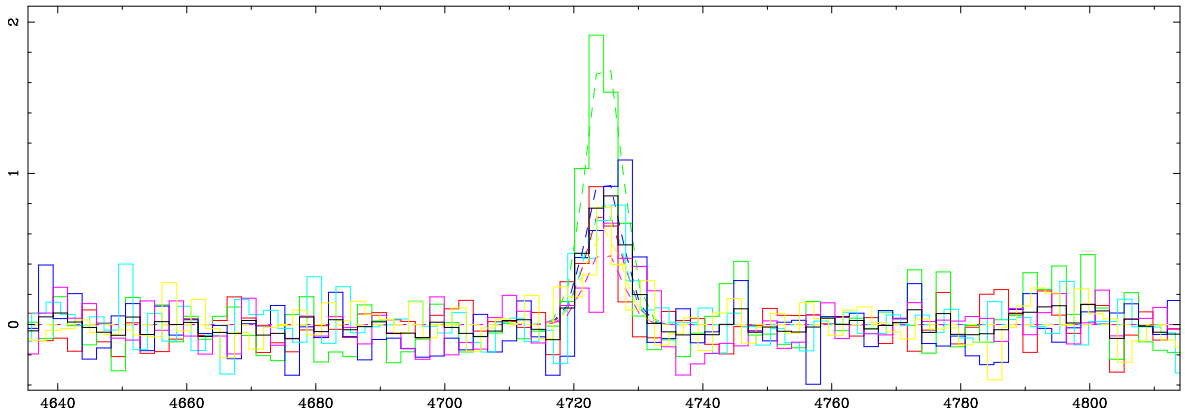
$\lambda_{obs} = 4197.11Å$

$EW_{obs} > 71.65Å$

$\alpha_{2000} = 150.0373°$

$\delta_{2000} = 2.2898°$





$S/N = 22.89$

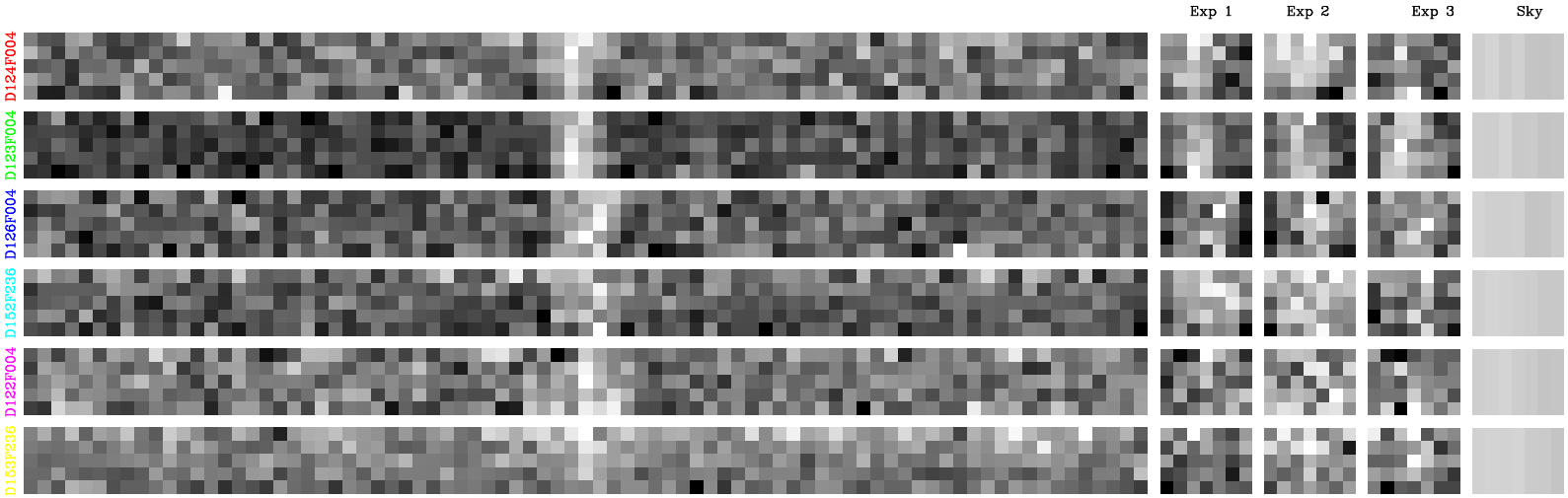
$FWHM_{obs} = 6.57Å$

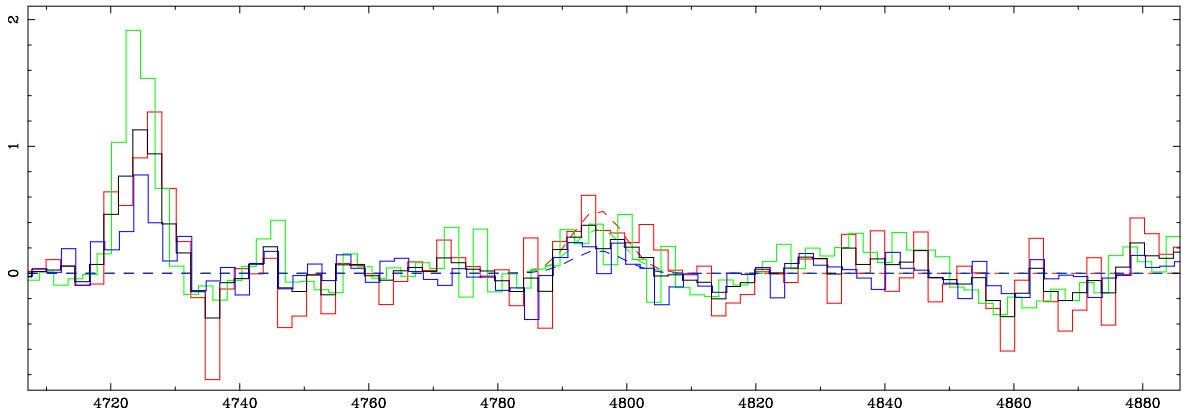
$\lambda_{obs} = 4724.66Å$

$EW_{obs} = 19.01Å$

$\alpha_{2000} = 150.0304°$

$\delta_{2000} = 2.2897°$





$S/N = 6.45$

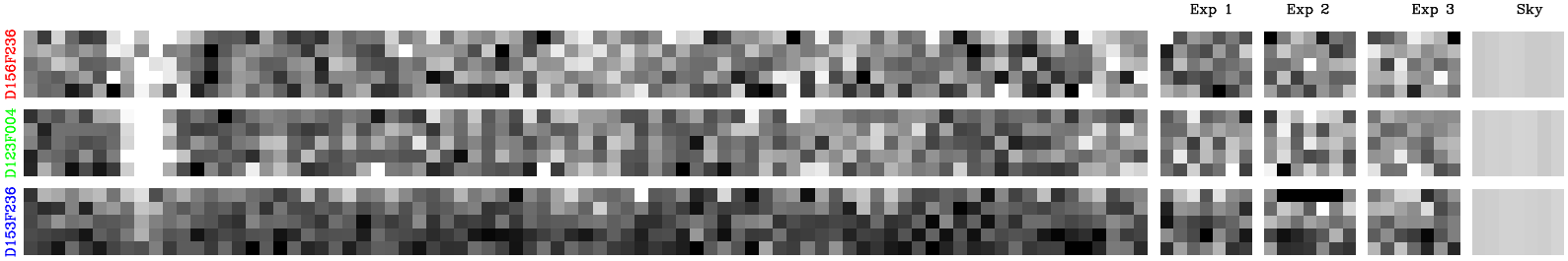
$FWHM_{obs} = 9.48Å$

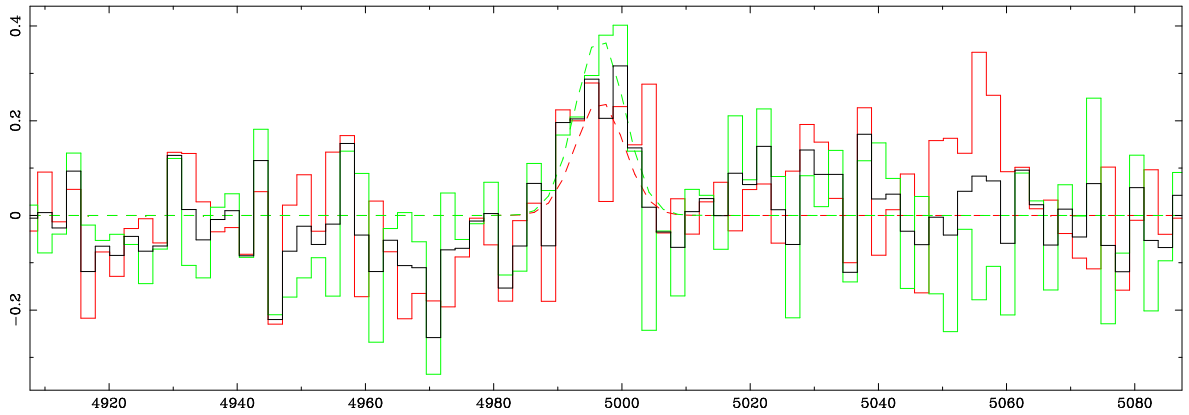
$\lambda_{obs} = 4795.54Å$

$EW_{obs} = 6.32Å$

$\alpha_{2000} = 150.0304°$

$\delta_{2000} = 2.2894°$





$S/N = 6.32$

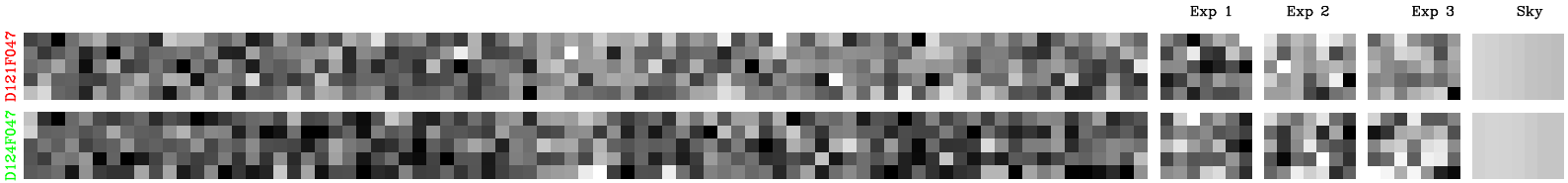
$FWHM_{obs} = 8.96Å$

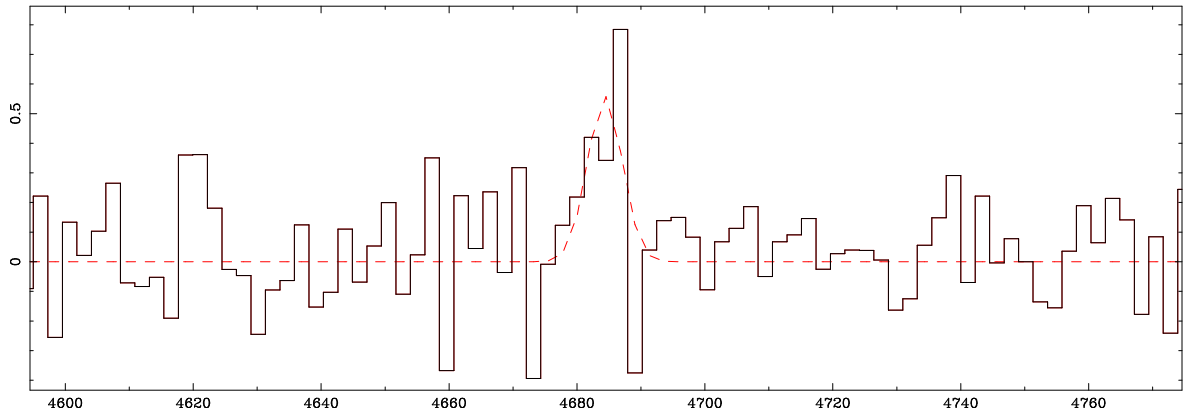
$\lambda_{obs} = 4996.55Å$

$EW_{obs} > 80.64Å$

$\alpha_{2000} = 150.0298°$

$\delta_{2000} = 2.2851°$





S/N = 5.45

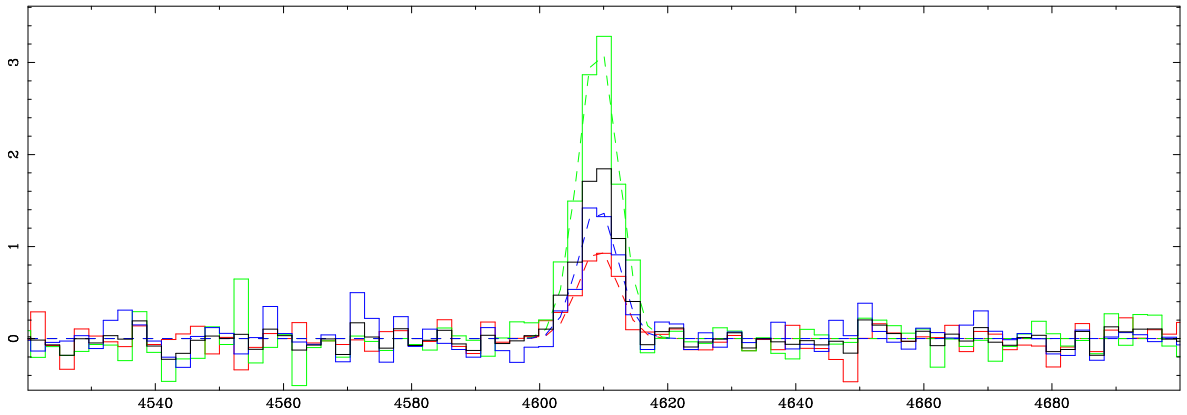
$FWHM_{obs}$ = 6.39Å

λ_{obs} = 4684.36Å

EW_{obs} = 10.70Å

α_{2000} = 150.0423°

δ_{2000} = 2.2730°



$S/N = 30.19$

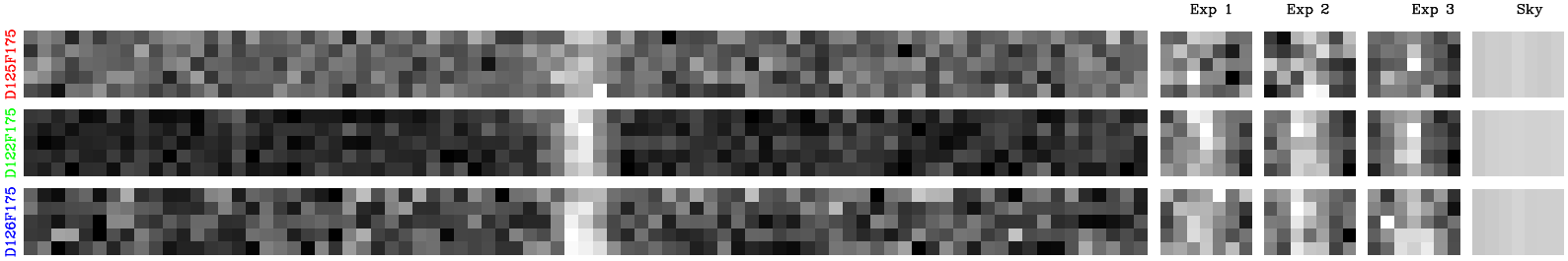
$FWHM_{obs} = 7.27Å$

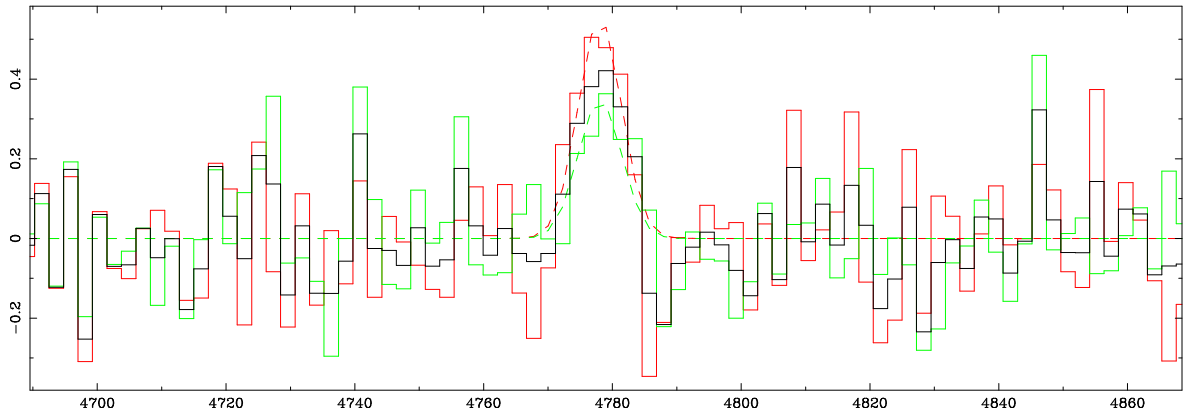
$\lambda_{obs} = 4609.11Å$

$EW_{obs} = 88.67Å$

$\alpha_{2000} = 150.0235°$

$\delta_{2000} = 2.2692°$





S/N = 7.37

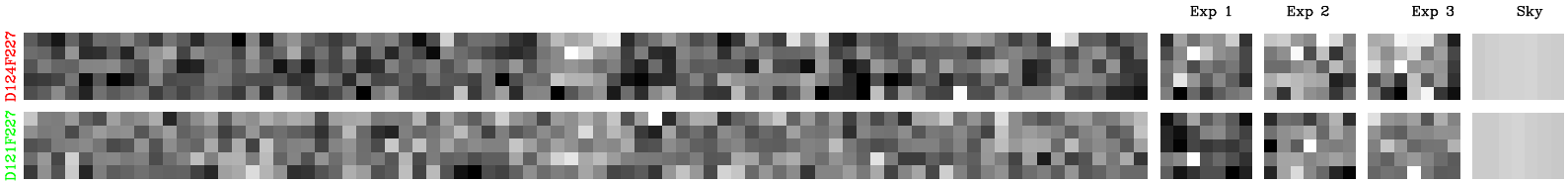
$FWHM_{obs}$ = 7.90Å

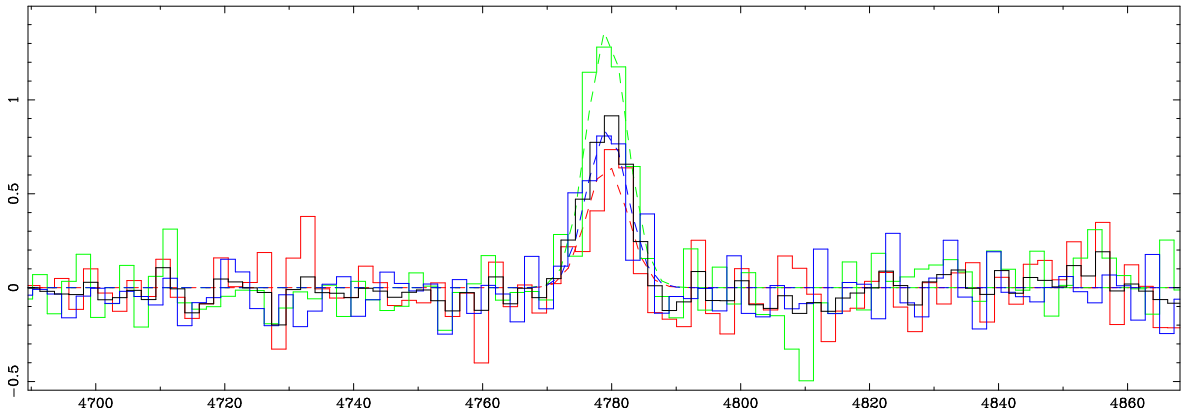
λ_{obs} = 4778.05Å

EW_{obs} = 24.33Å

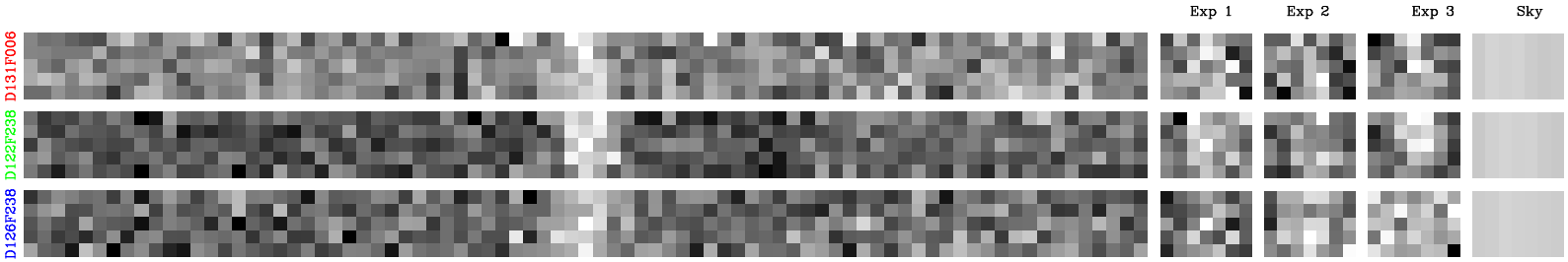
α_{2000} = 150.0414°

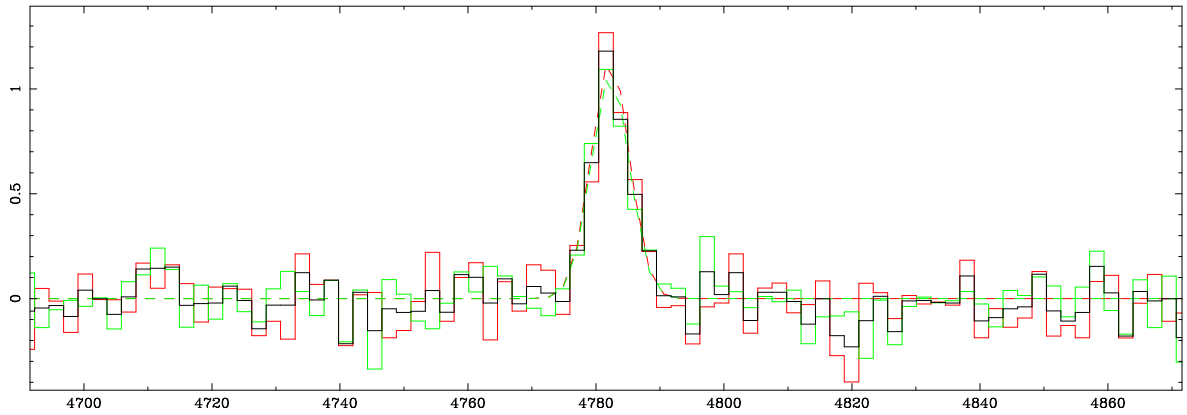
δ_{2000} = 2.2639°





S/N = 17.66
$FWHM_{obs}$ = 7.40Å
λ_{obs} = 4779.28Å
EW_{obs} = 28.40Å
α_{2000} = 150.0335°
δ_{2000} = 2.2618°





$S/N = 16.25$

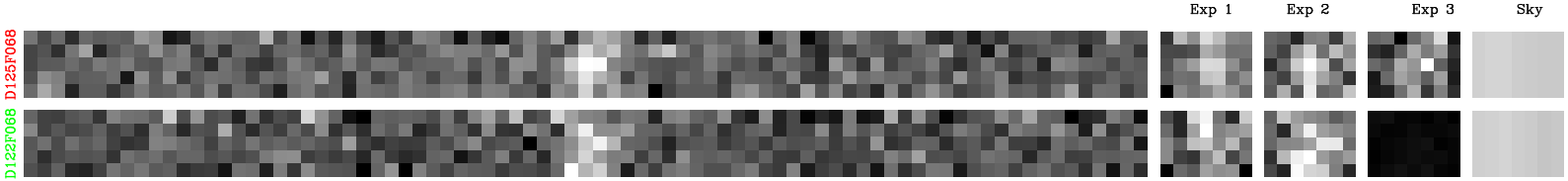
$FWHM_{obs} = 6.98Å$

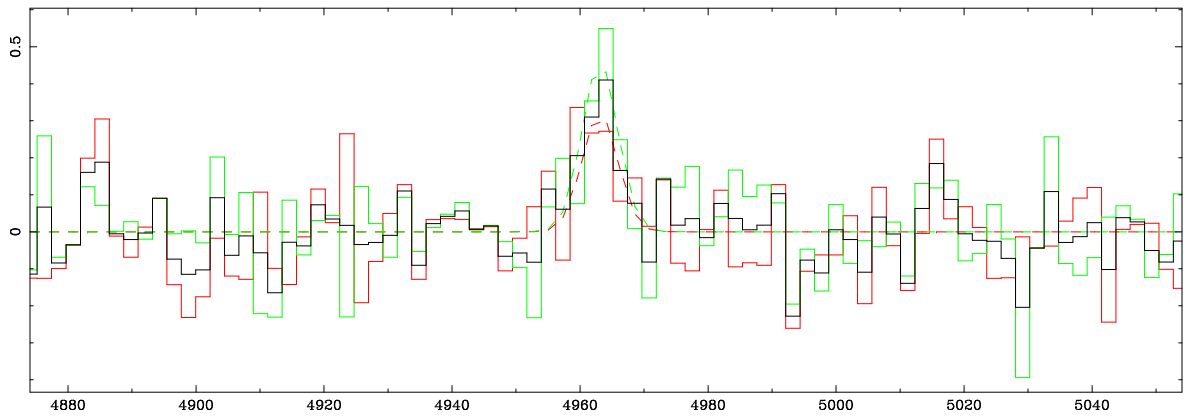
$\lambda_{obs} = 4782.24Å$

$EW_{obs} = 101.69Å$

$\alpha_{2000} = 150.0417°$

$\delta_{2000} = 2.2832°$





$S/N = 6.14$

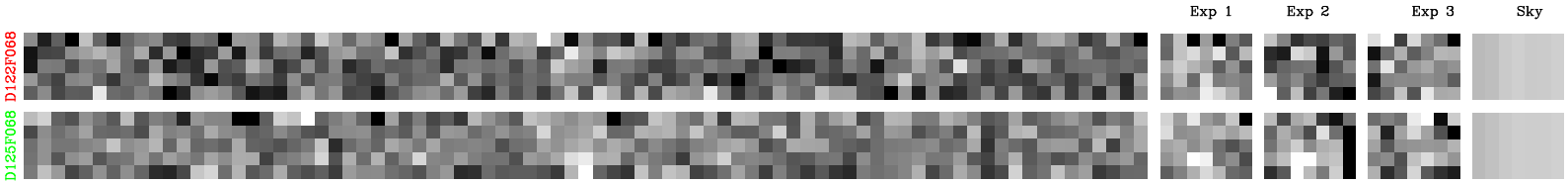
$FWHM_{obs} = 6.59Å$

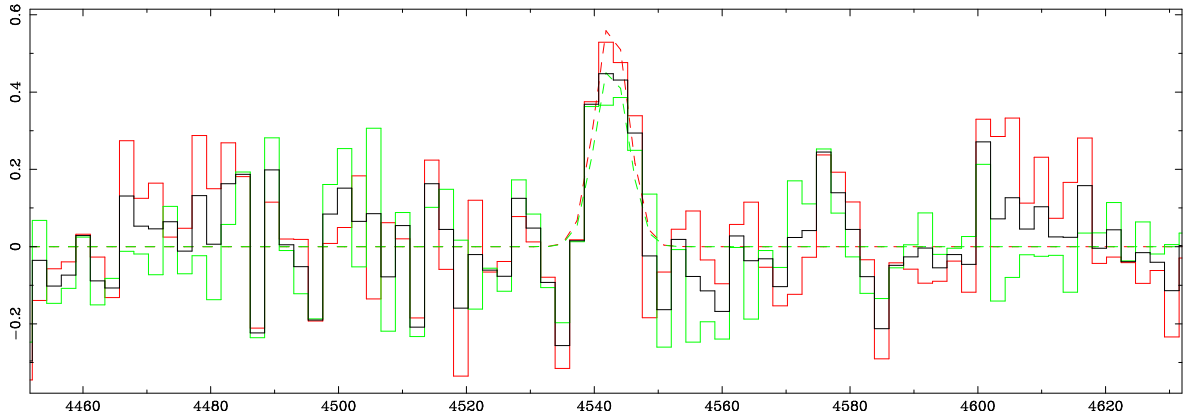
$\lambda_{obs} = 4963.10Å$

$EW_{obs} = 30.03Å$

$\alpha_{2000} = 150.0417°$

$\delta_{2000} = 2.2833°$





$S/N = 6.68$

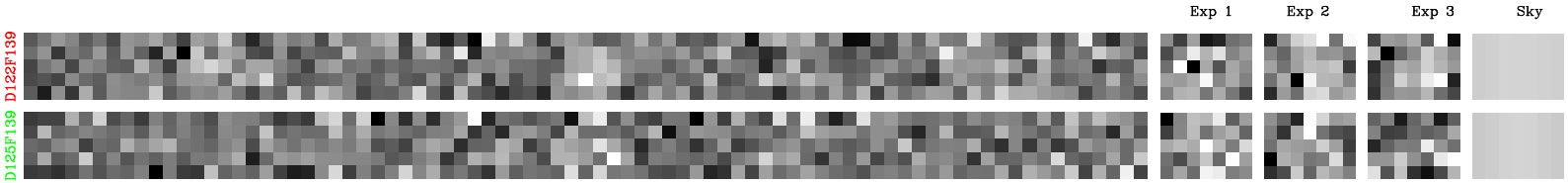
$FWHM_{obs} = 6.10Å$

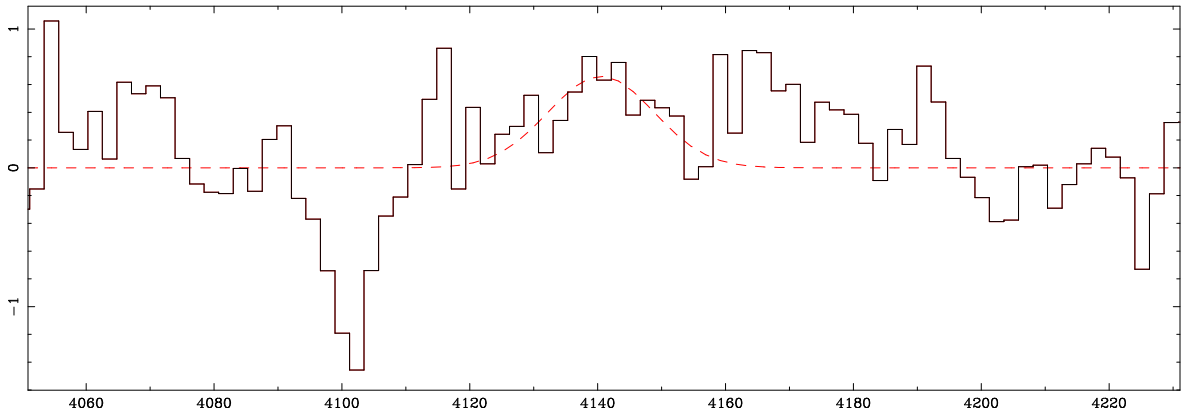
$\lambda_{obs} = 4542.70Å$

$EW_{obs} = 26.39Å$

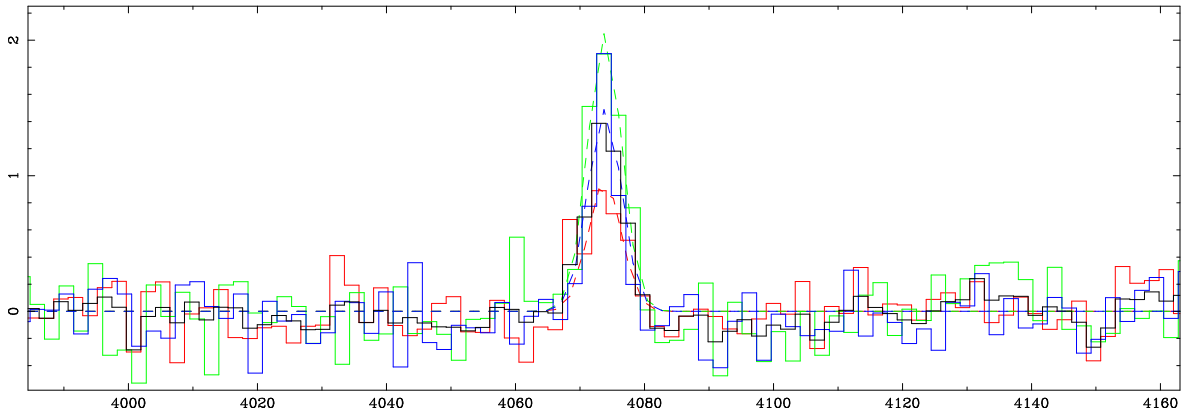
$\alpha_{2000} = 150.0385°$

$\delta_{2000} = 2.2745°$





S/N = 5.58
$FWHM_{obs}$ = 19.52Å
λ_{obs} = 4140.53Å
EW_{obs} = 4.07Å
α_{2000} = 150.0469°
δ_{2000} = 2.2736°



$S/N = 14.29$

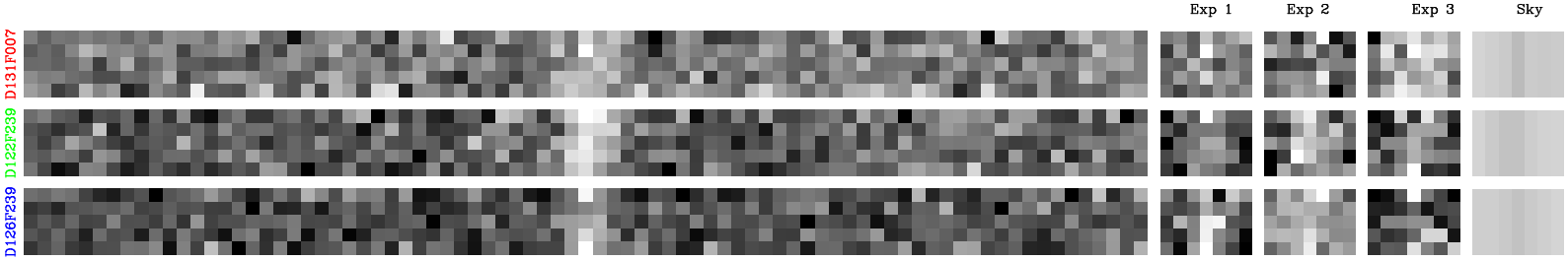
$FWHM_{obs} = 6.13$Å

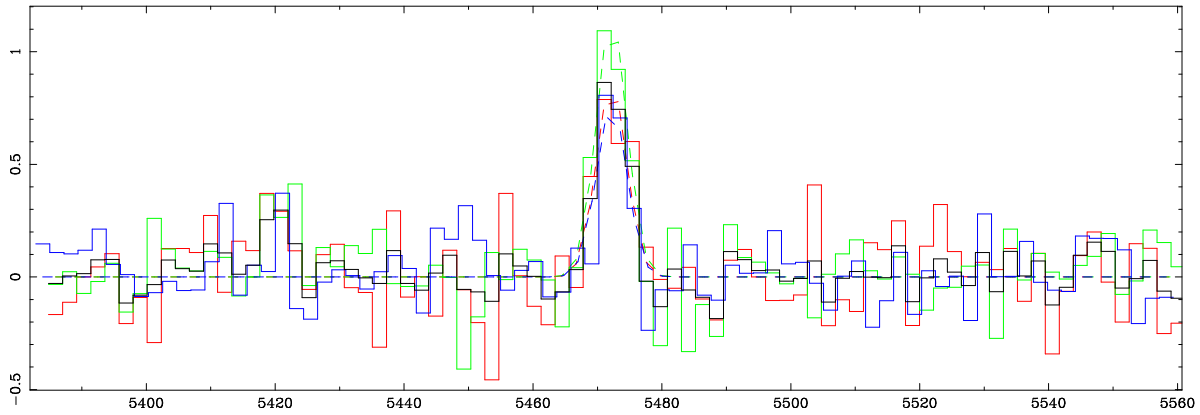
$\lambda_{obs} = 4073.82$Å

$EW_{obs} = 23.68$Å

$\alpha_{2000} = 150.0355°$

$\delta_{2000} = 2.2618°$





S/N = 14.78

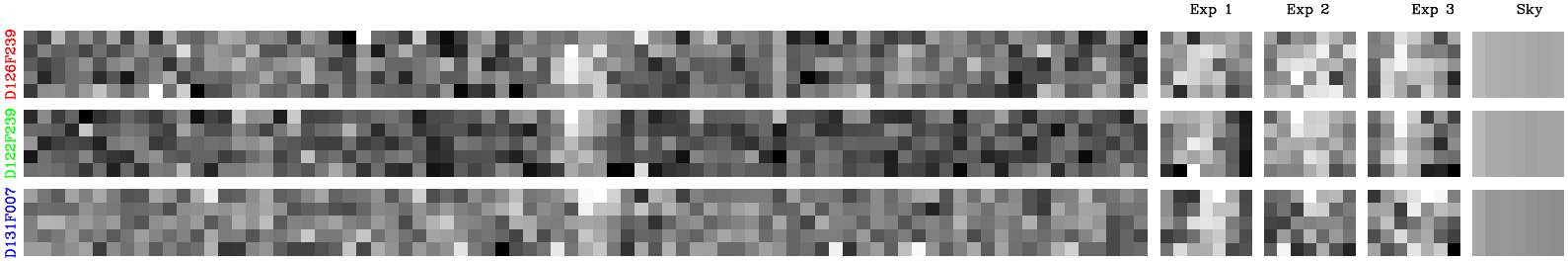
$FWHM_{obs}$ = 5.58Å

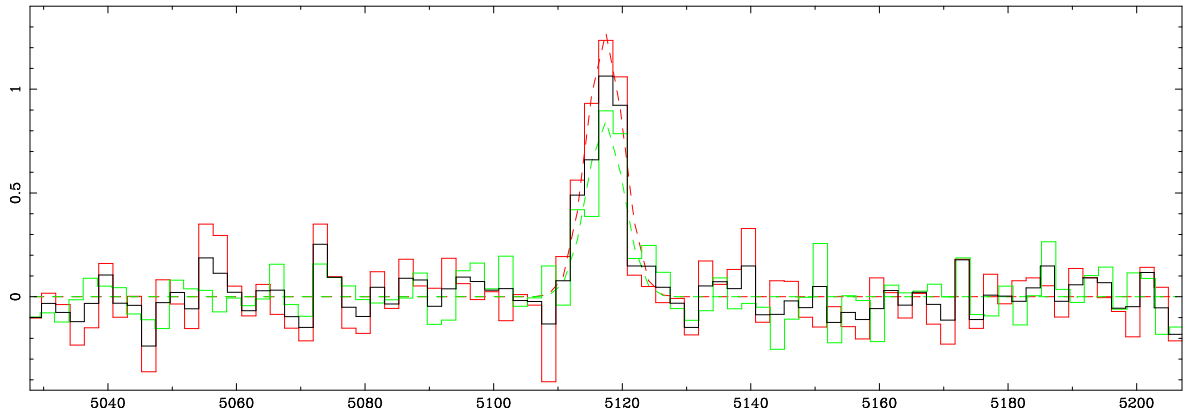
λ_{obs} = 5472.19Å

EW_{obs} = 9.37Å

α_{2000} = 150.0355°

δ_{2000} = 2.2617°





S/N = 15.61

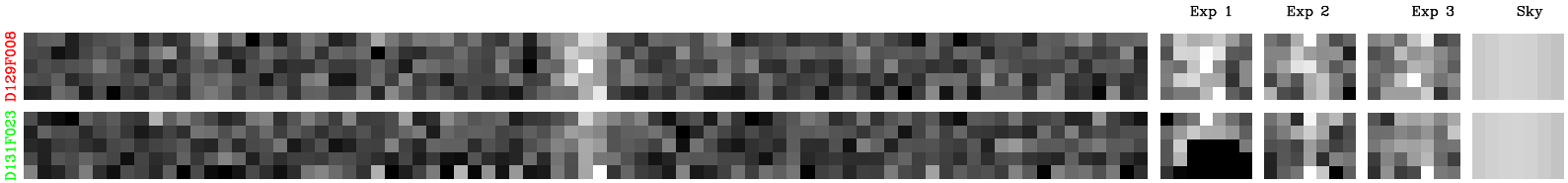
$FWHM_{obs}$ = 6.74Å

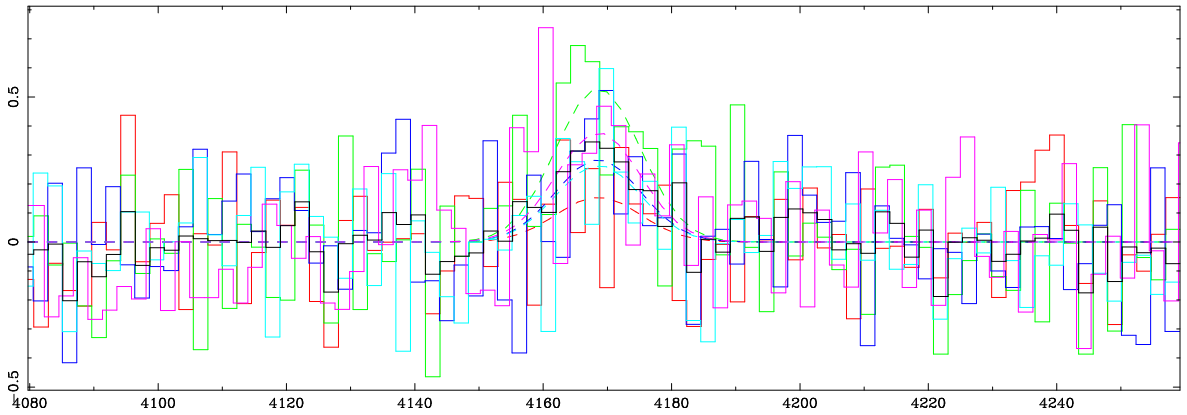
λ_{obs} = 5117.33Å

EW_{obs} = 52.03Å

α_{2000} = 150.0387°

δ_{2000} = 2.2602°





$S/N = 7.29$

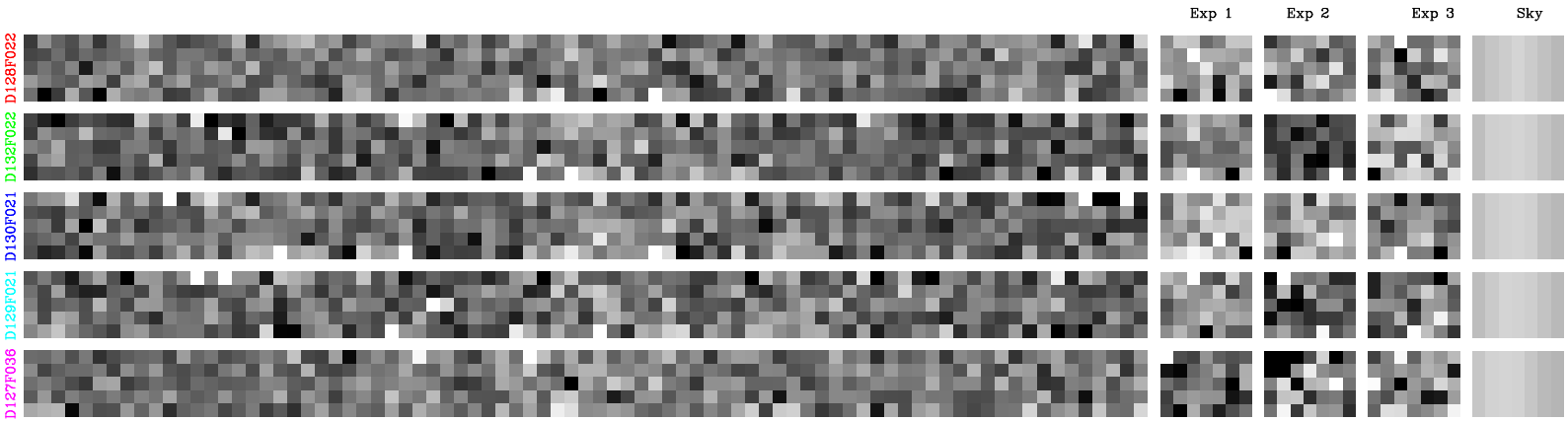
$FWHM_{obs} = 15.58Å$

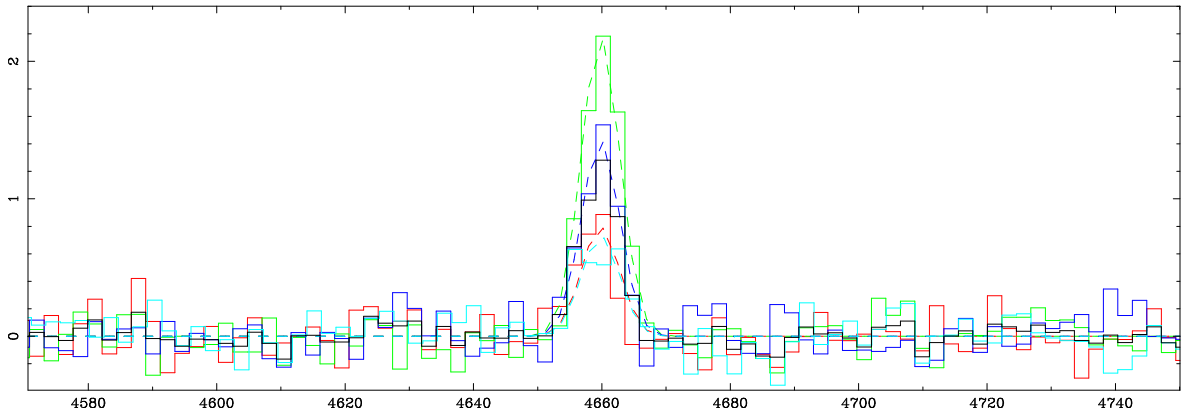
$\lambda_{obs} = 4168.57Å$

$EW_{obs} > 152.62Å$

$\alpha_{2000} = 150.0364°$

$\delta_{2000} = 2.2589°$





S/N = 25.36

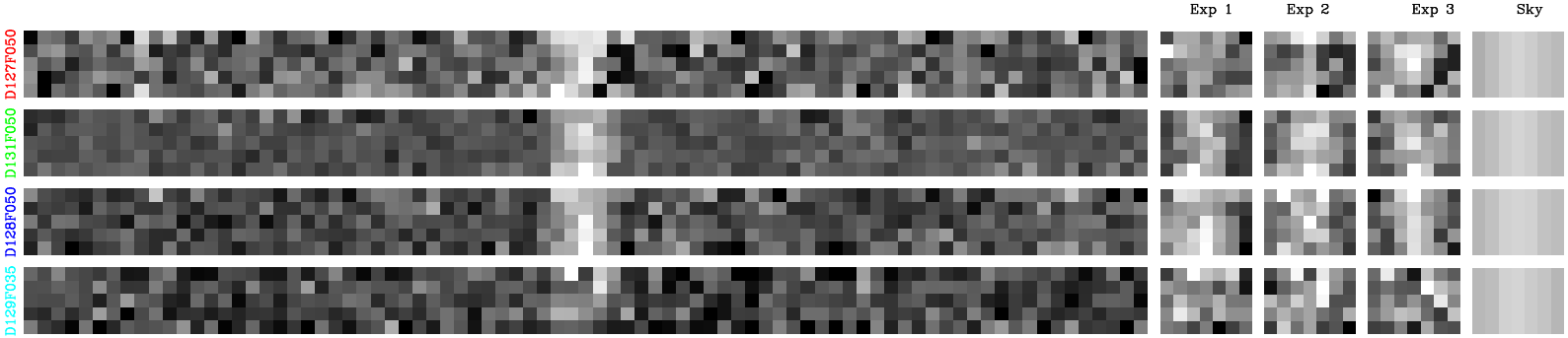
$FWHM_{obs}$ = 7.06Å

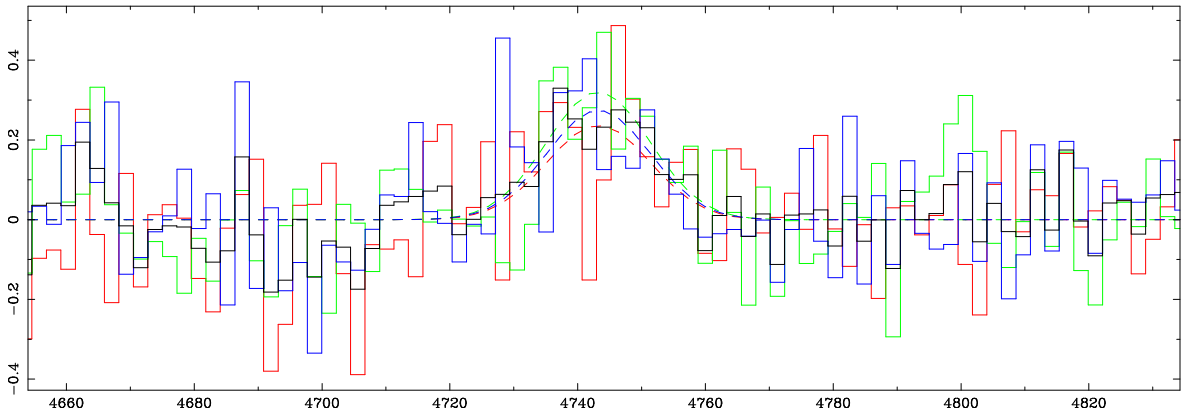
λ_{obs} = 4659.78Å

EW_{obs} = 32.19Å

α_{2000} = 150.0348°

δ_{2000} = 2.2564°





S/N = 7.59

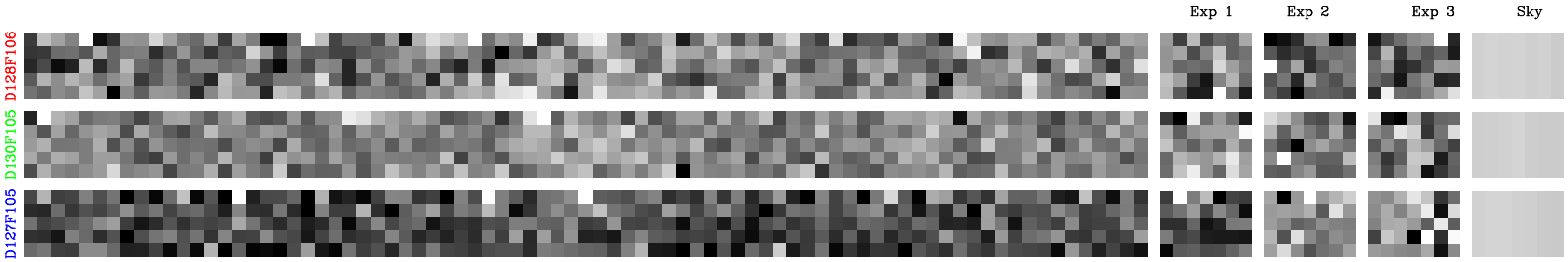
$FWHM_{obs}$ = 19.09Å

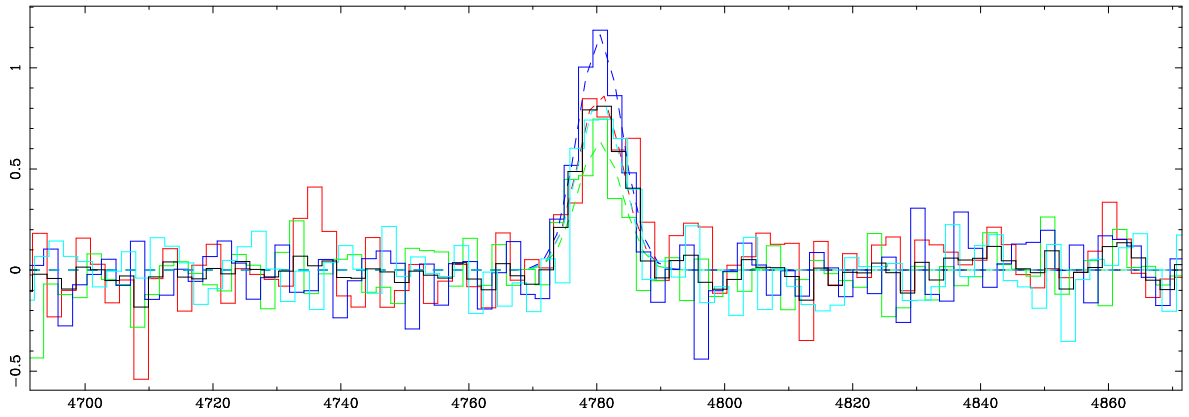
λ_{obs} = 4743.26Å

EW_{obs} > 169.34Å

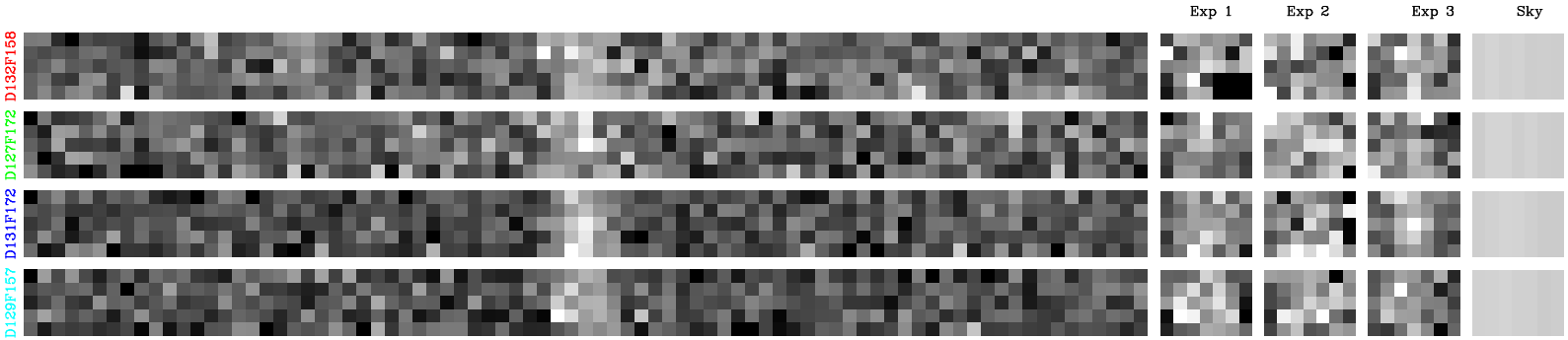
α_{2000} = 150.0298°

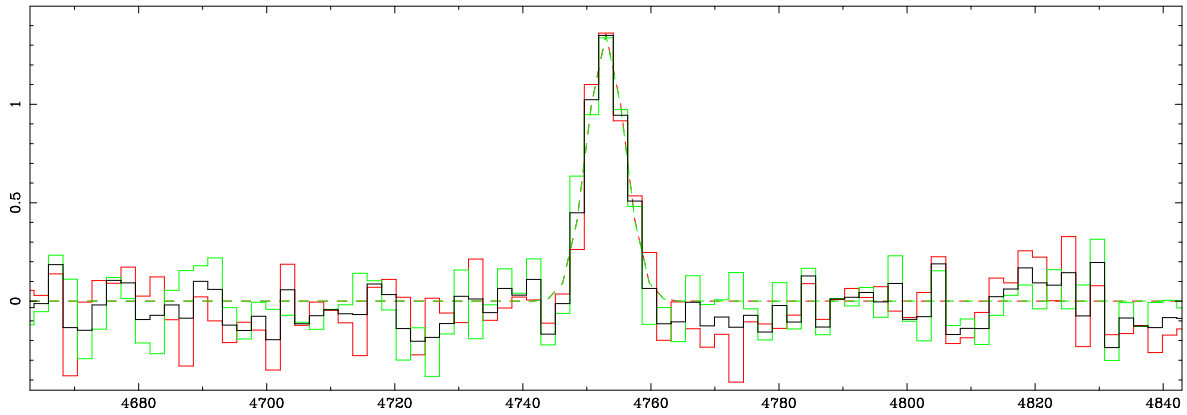
δ_{2000} = 2.2491°





S/N = 18.81
$FWHM_{obs}$ = 8.14Å
λ_{obs} = 4780.47Å
EW_{obs} = 64.78Å
α_{2000} = 150.0469°
δ_{2000} = 2.2425°





$S/N = 18.84$

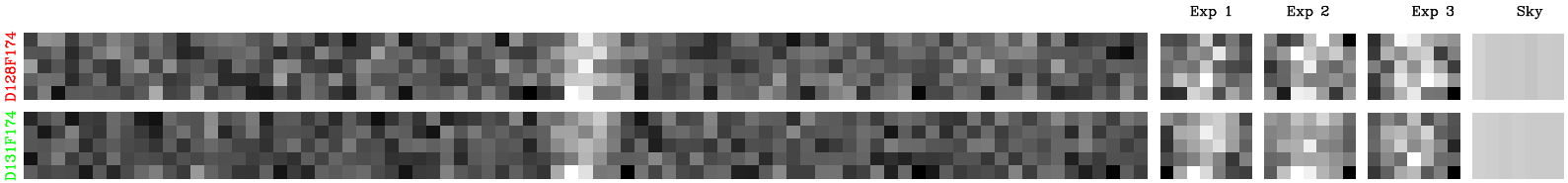
$FWHM_{obs} = 6.87Å$

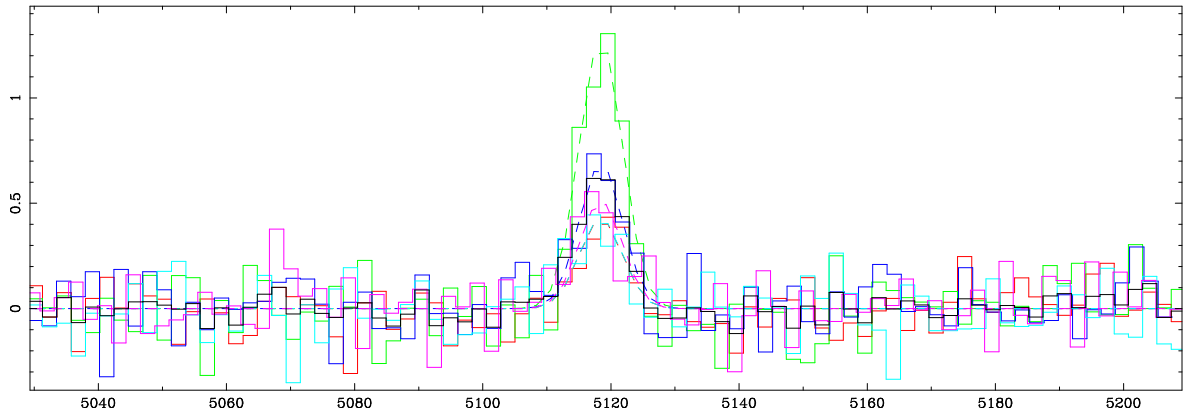
$\lambda_{obs} = 4752.99Å$

$EW_{obs} = 53.94Å$

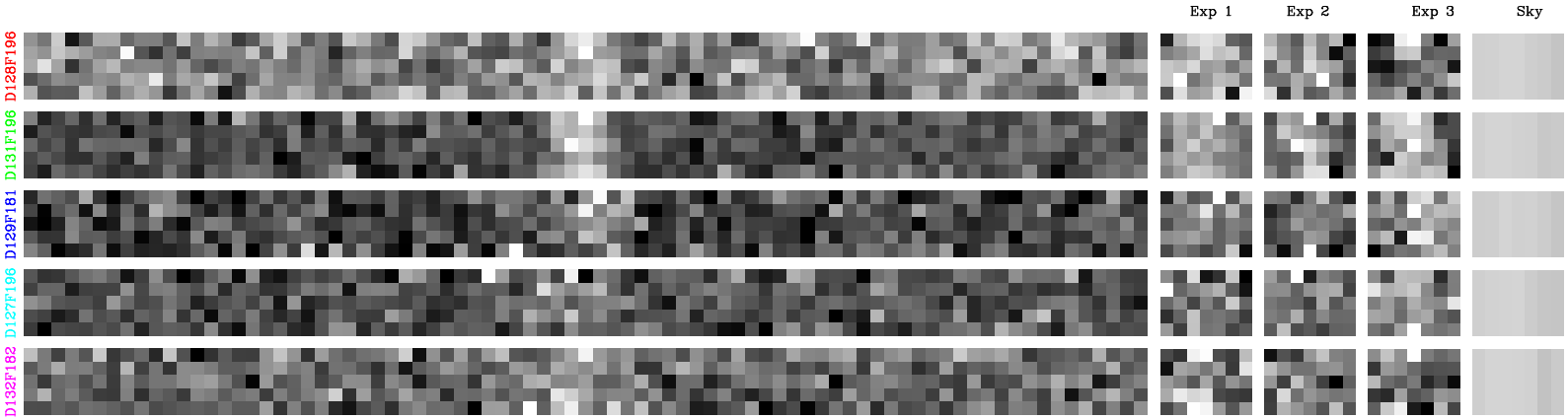
$\alpha_{2000} = 150.0505°$

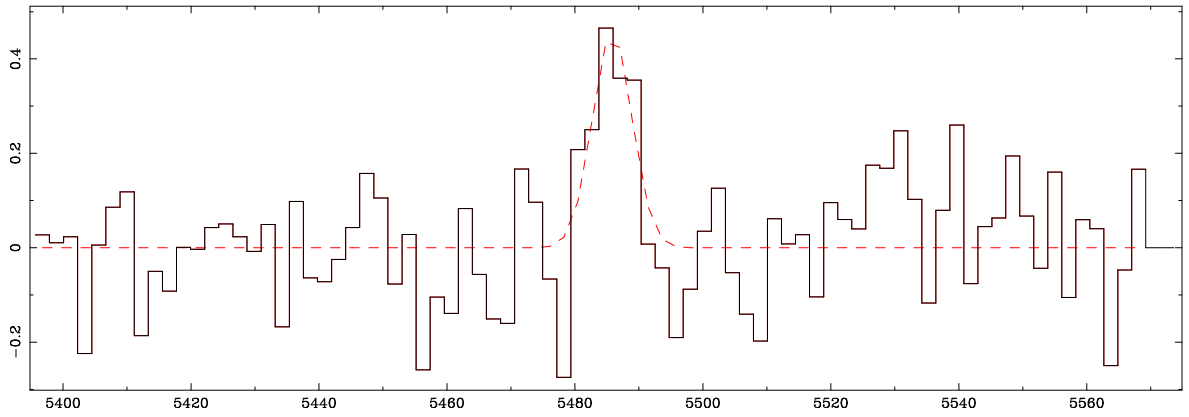
$\delta_{2000} = 2.2419°$





S/N = 18.77
$FWHM_{obs}$ = 7.98Å
λ_{obs} = 5118.42Å
EW_{obs} = 44.20Å
α_{2000} = 150.0367°
δ_{2000} = 2.2390°





S/N = 5.82

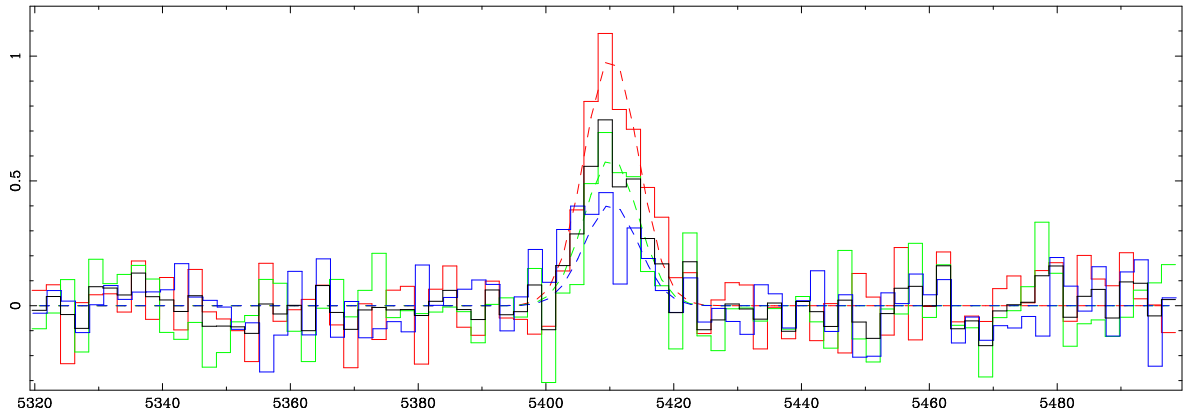
$FWHM_{obs}$ = 7.23Å

λ_{obs} = 5485.84Å

EW_{obs} > 65.07Å

α_{2000} = 150.0475°

δ_{2000} = 2.2539°



$S/N = 16.94$

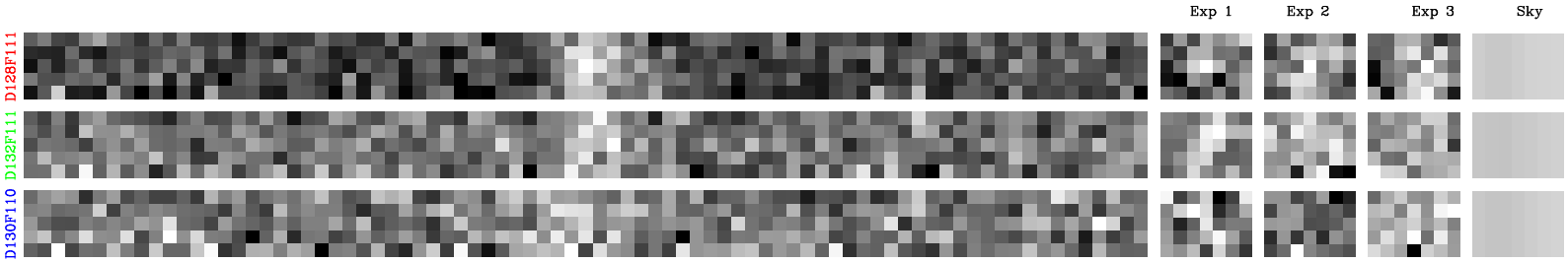
$FWHM_{obs} = 9.95Å$

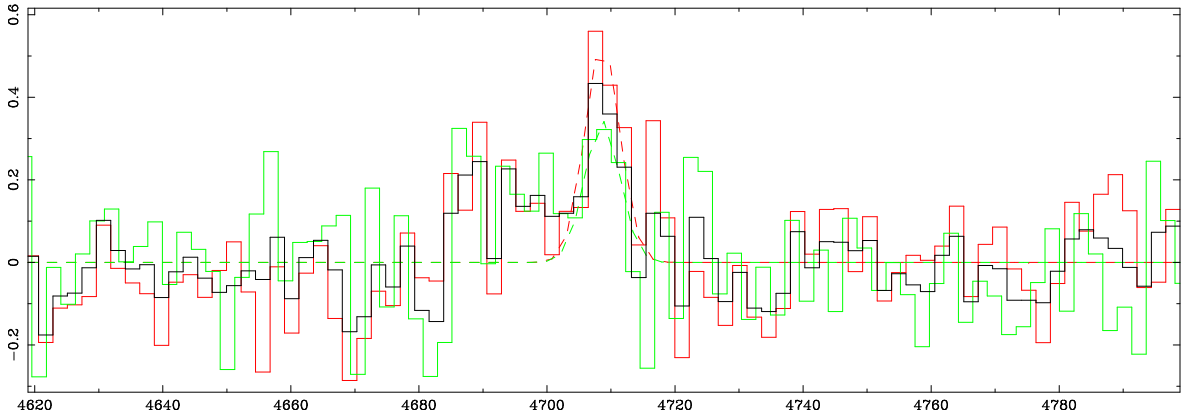
$\lambda_{obs} = 5410.23Å$

$EW_{obs} > 223.95Å$

$\alpha_{2000} = 150.0404°$

$\delta_{2000} = 2.2486°$





$S/N = 6.44$

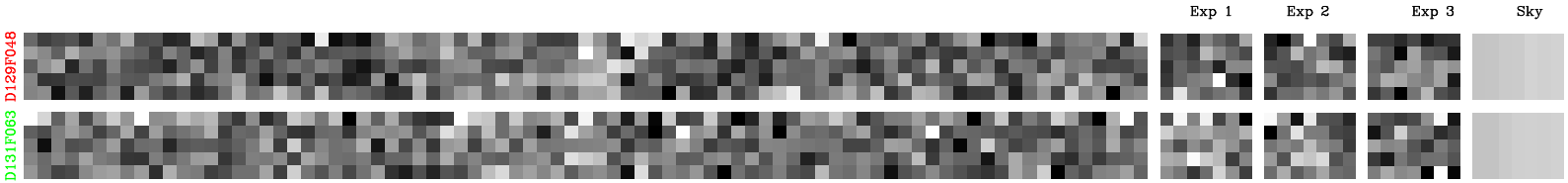
$FWHM_{obs} = 6.42Å$

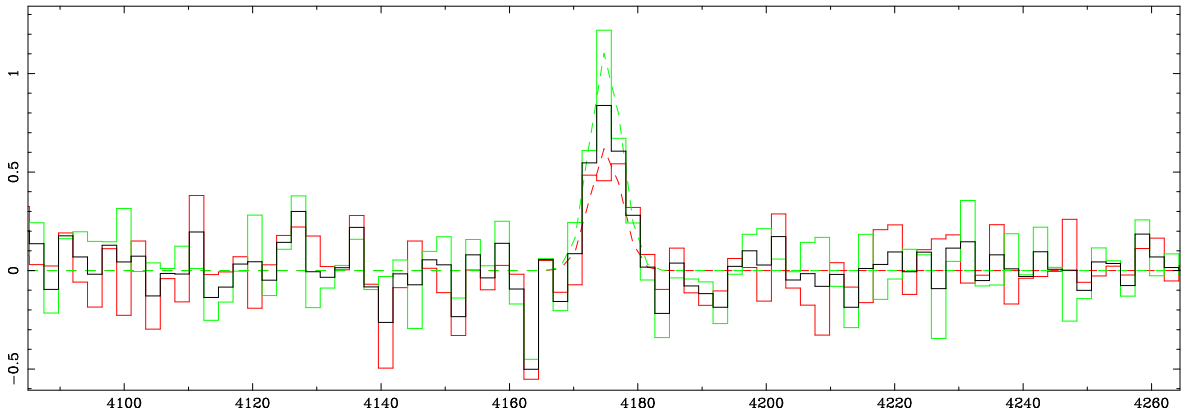
$\lambda_{obs} = 4708.65Å$

$EW_{obs} > 69.93Å$

$\alpha_{2000} = 150.0316°$

$\delta_{2000} = 2.2551°$





$S/N = 7.41$

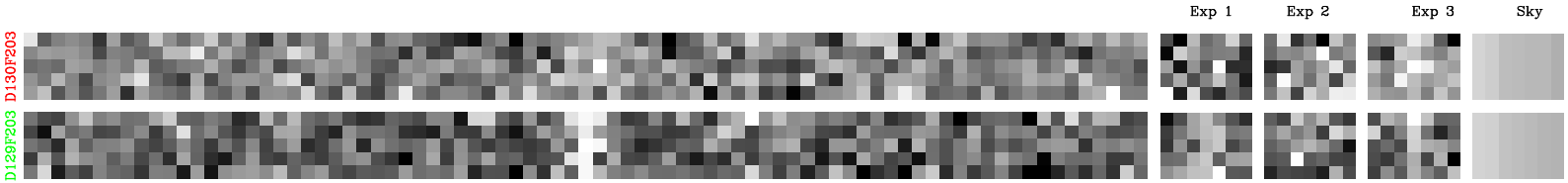
$FWHM_{obs} = 5.76Å$

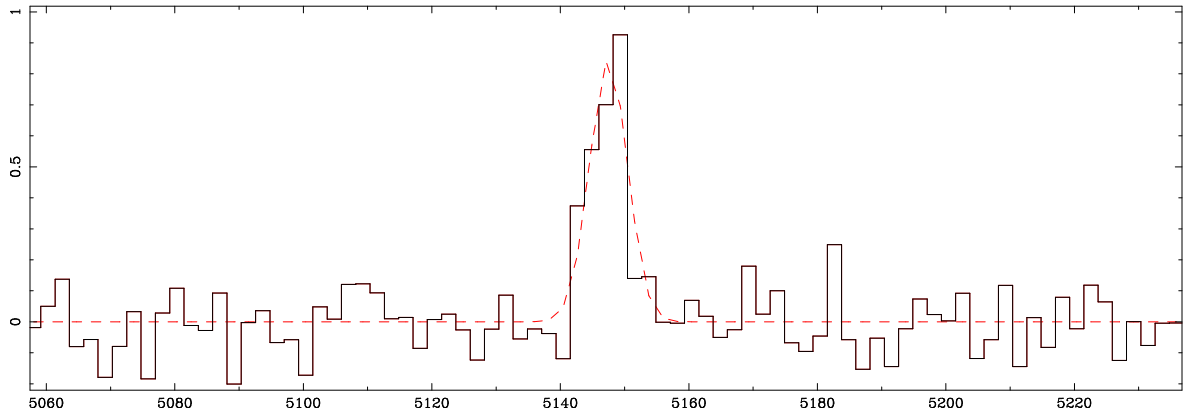
$\lambda_{obs} = 4174.99Å$

$EW_{obs} > 83.69Å$

$\alpha_{2000} = 150.0514°$

$\delta_{2000} = 2.2378°$





S/N = 10.52

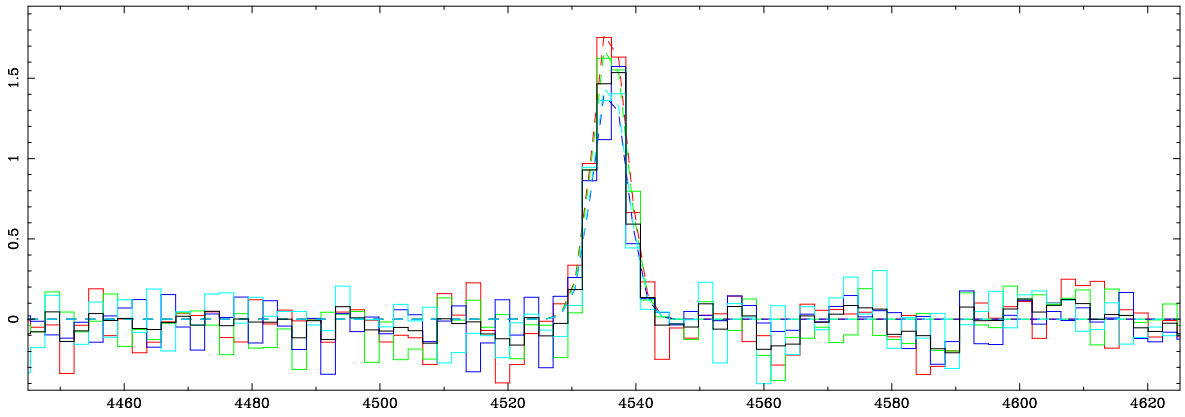
$FWHM_{obs}$ = 6.87Å

λ_{obs} = 5147.49Å

EW_{obs} = 54.46Å

α_{2000} = 150.0474°

δ_{2000} = 2.2302°



$S/N = 30.74$

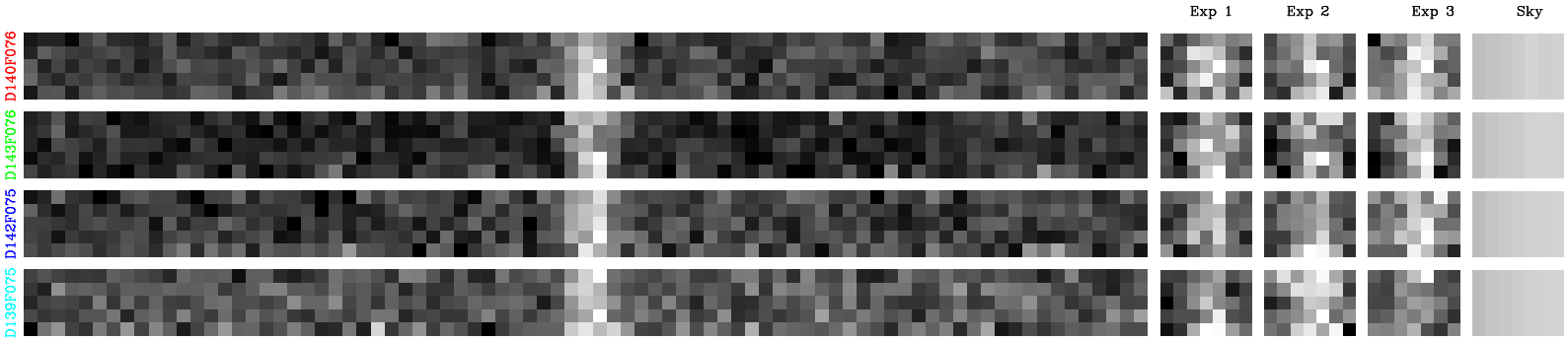
$FWHM_{obs} = 6.29Å$

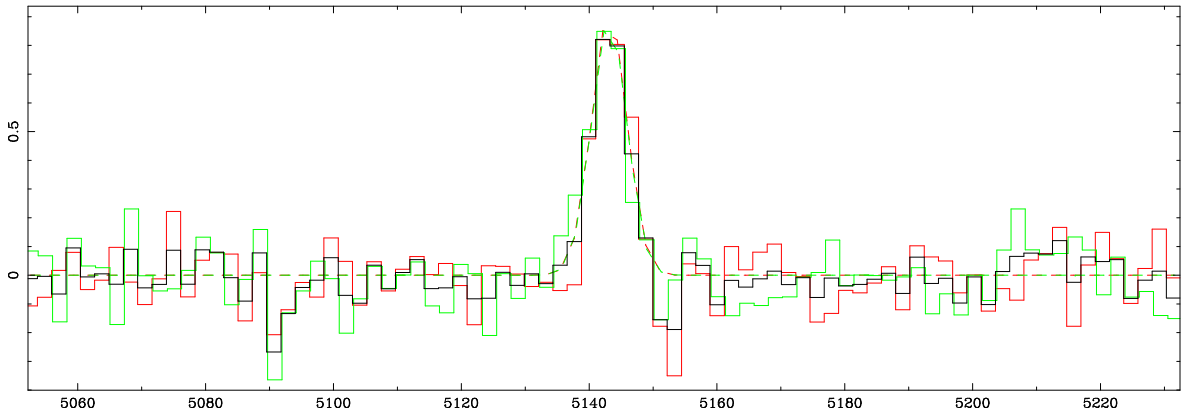
$\lambda_{obs} = 4535.90Å$

$EW_{obs} = 42.24Å$

$\alpha_{2000} = 150.0287°$

$\delta_{2000} = 2.2243°$





S/N = 15.31

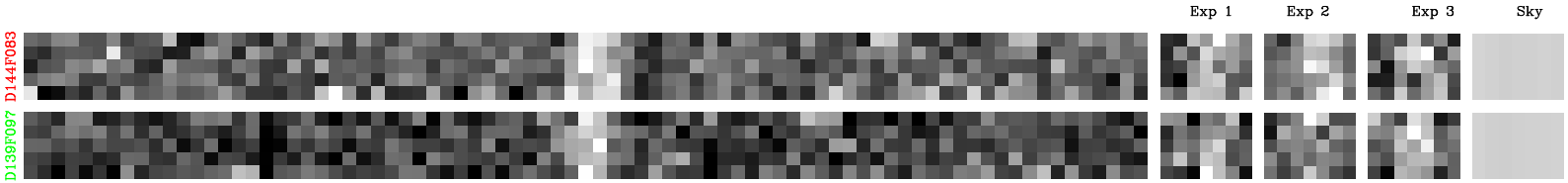
$FWHM_{obs}$ = 6.49Å

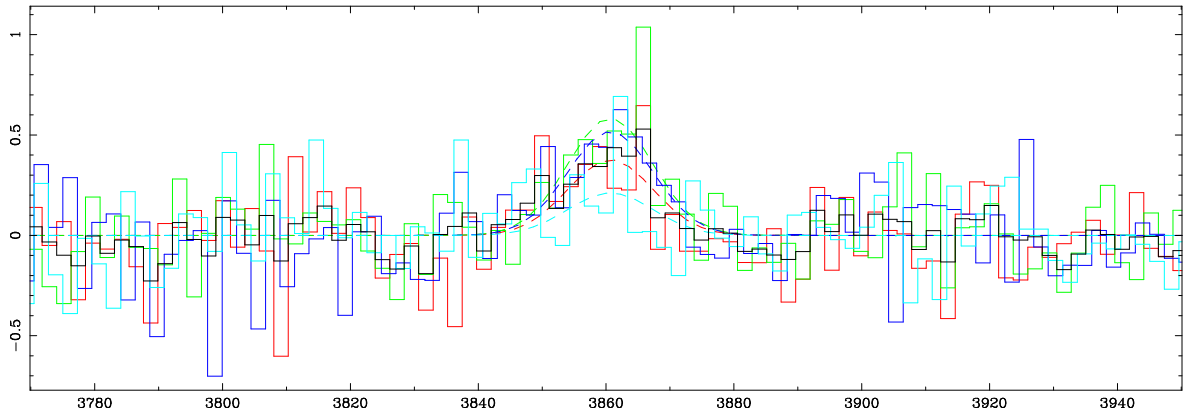
λ_{obs} = 5143.14Å

EW_{obs} = 34.13Å

α_{2000} = 150.0431°

δ_{2000} = 2.2229°





$S/N = 8.56$

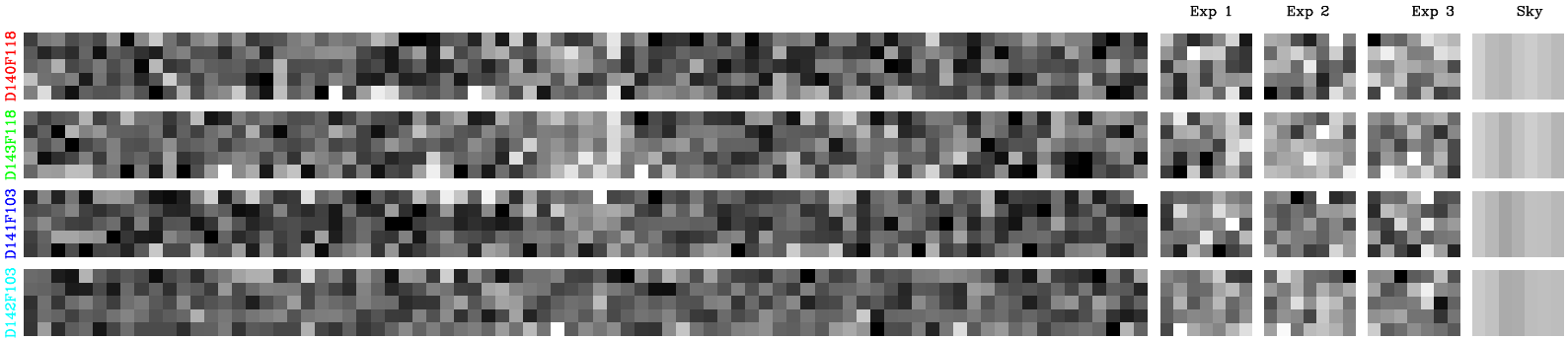
$FWHM_{obs} = 15.77Å$

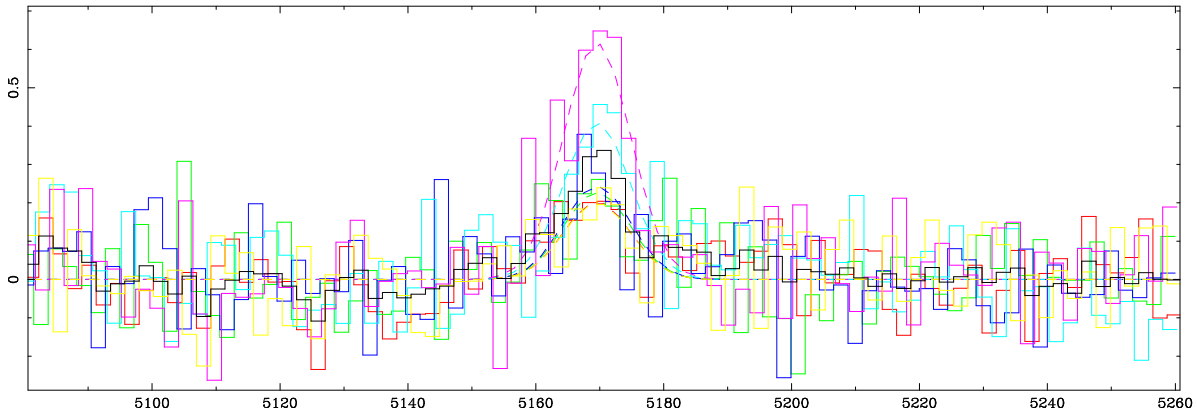
$\lambda_{obs} = 3860.68Å$

$EW_{obs} > 162.63Å$

$\alpha_{2000} = 150.0261°$

$\delta_{2000} = 2.2197°$





$S/N = 14.96$

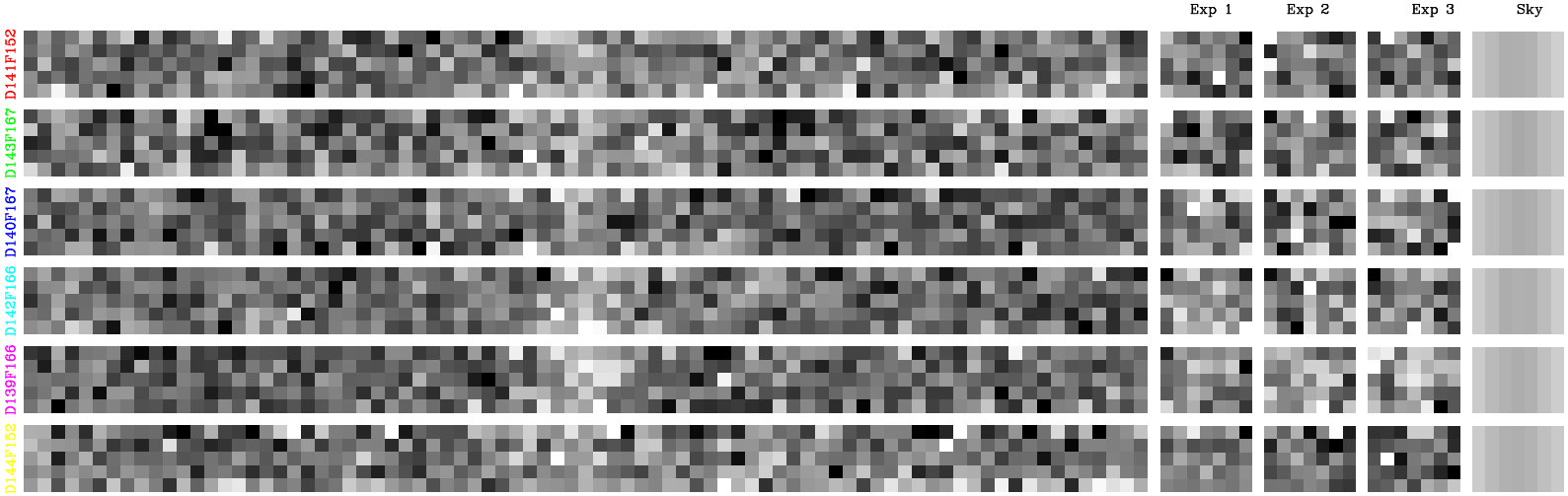
$FWHM_{obs} = 12.40Å$

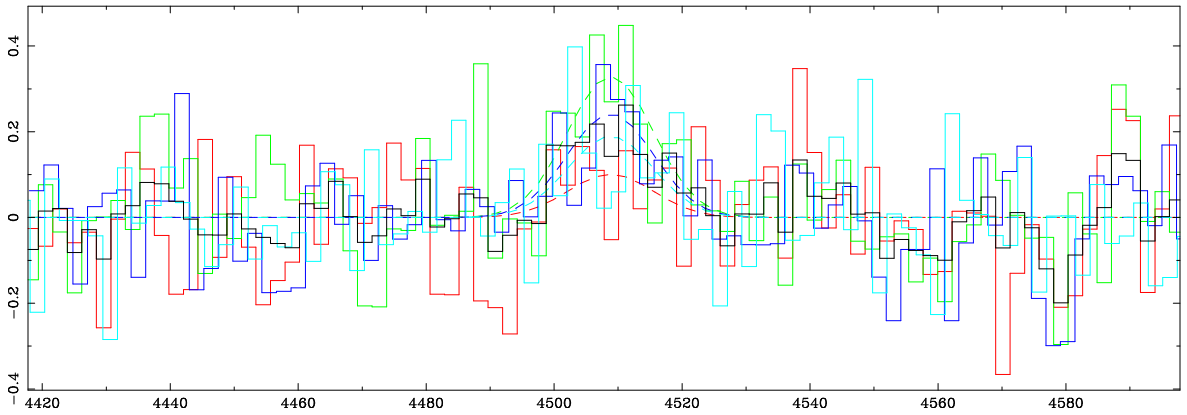
$\lambda_{obs} = 5169.58Å$

$EW_{obs} > 228.81Å$

$\alpha_{2000} = 150.0364°$

$\delta_{2000} = 2.2139°$





S/N = 6.75

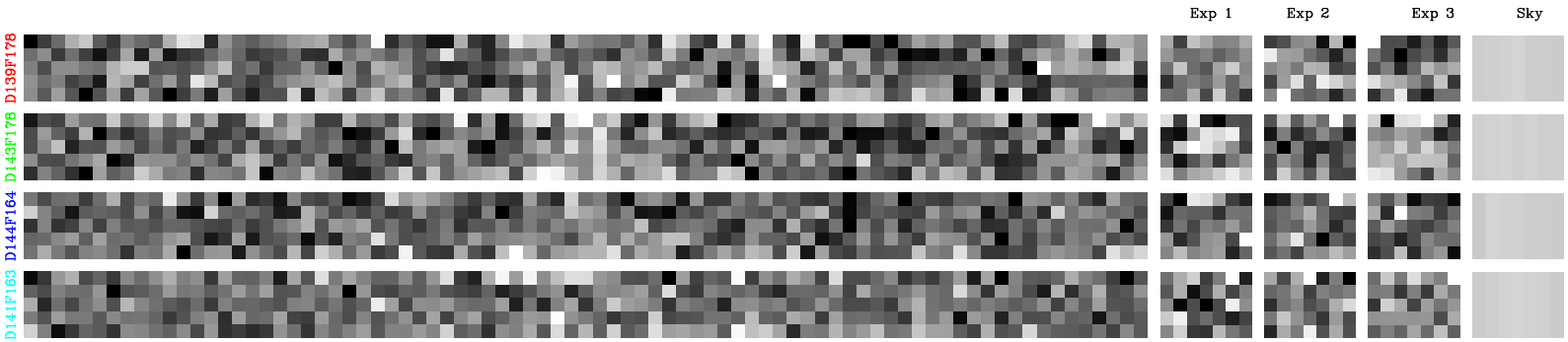
$FWHM_{obs}$ = 15.81Å

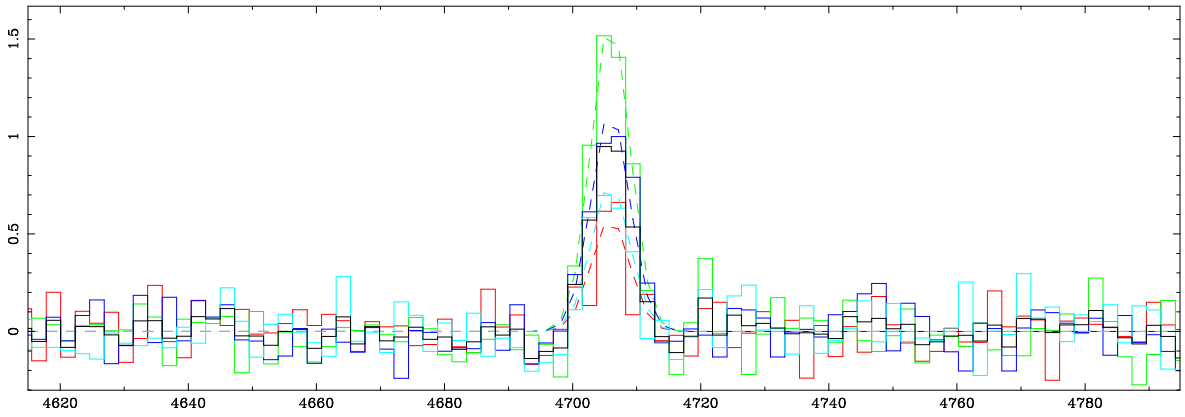
λ_{obs} = 4508.82Å

EW_{obs} > 129.56Å

α_{2000} = 150.0305°

δ_{2000} = 2.2127°





S/N = 25.05

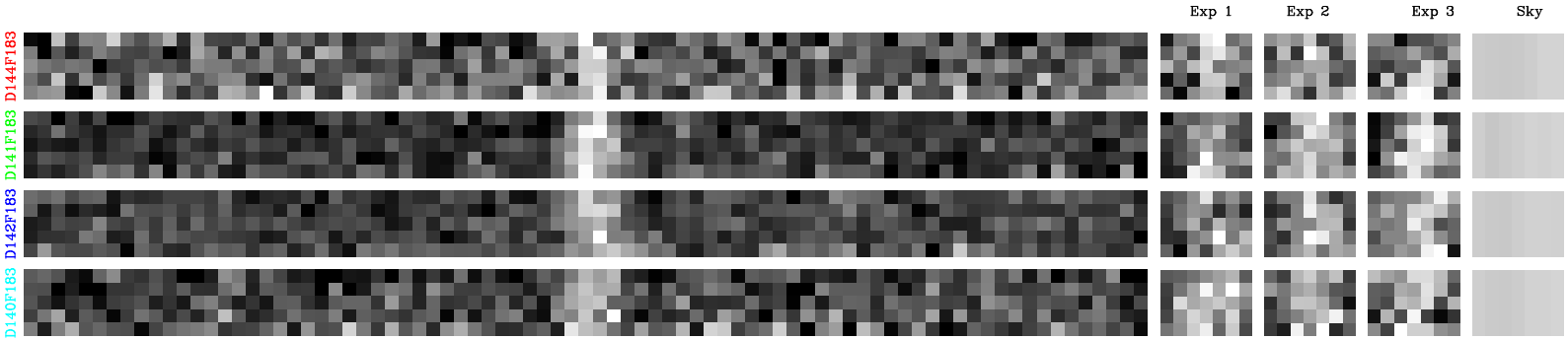
$FWHM_{obs}$ = 7.11Å

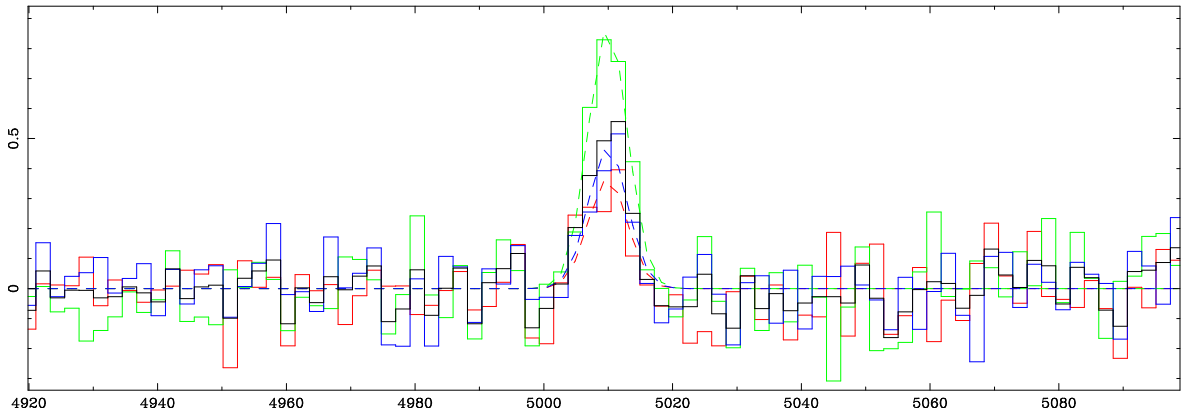
λ_{obs} = 4705.91Å

EW_{obs} = 65.55Å

α_{2000} = 150.0406°

δ_{2000} = 2.2113°





$S/N = 12.23$

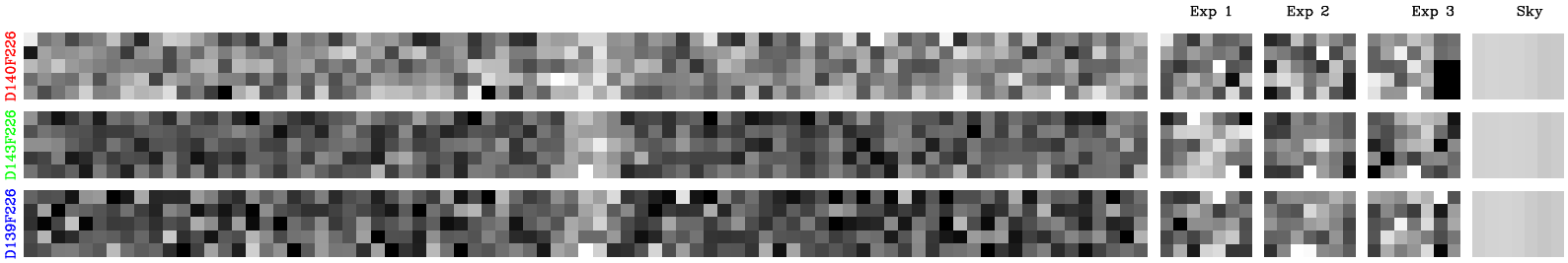
$FWHM_{obs} = 7.16Å$

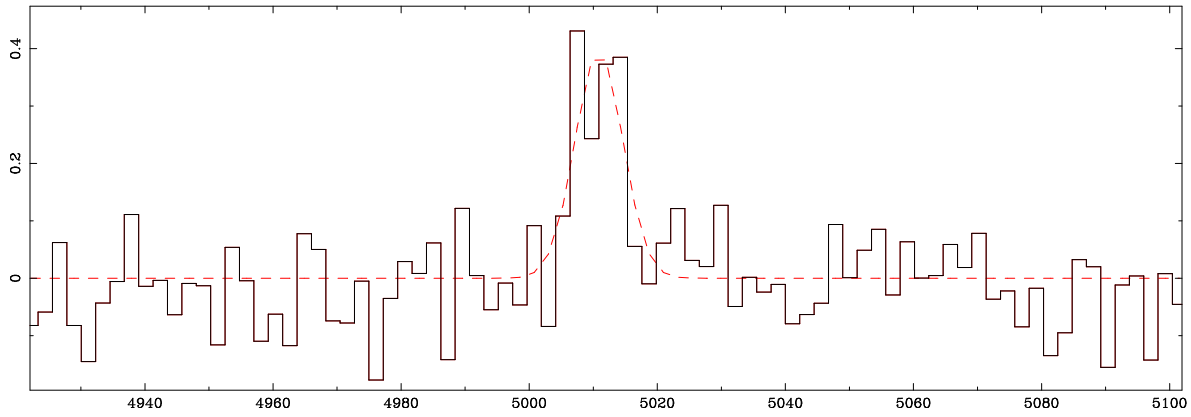
$\lambda_{obs} = 5009.94Å$

$EW_{obs} = 51.32Å$

$\alpha_{2000} = 150.0392°$

$\delta_{2000} = 2.2068°$





$S/N = 7.19$

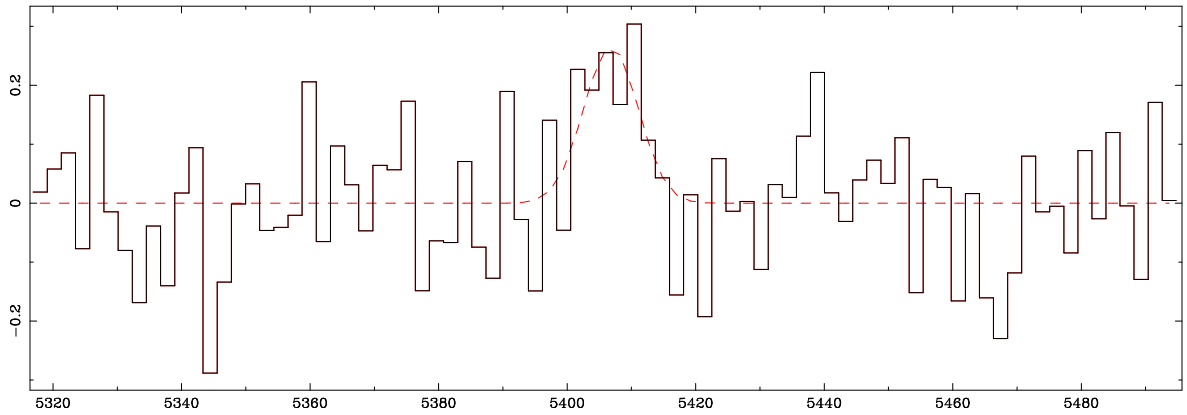
$FWHM_{obs} = 8.74$Å

$\lambda_{obs} = 5010.88$Å

$EW_{obs} > 90.18$Å

$\alpha_{2000} = 150.0494°$

$\delta_{2000} = 2.2278°$



S/N = 5.04

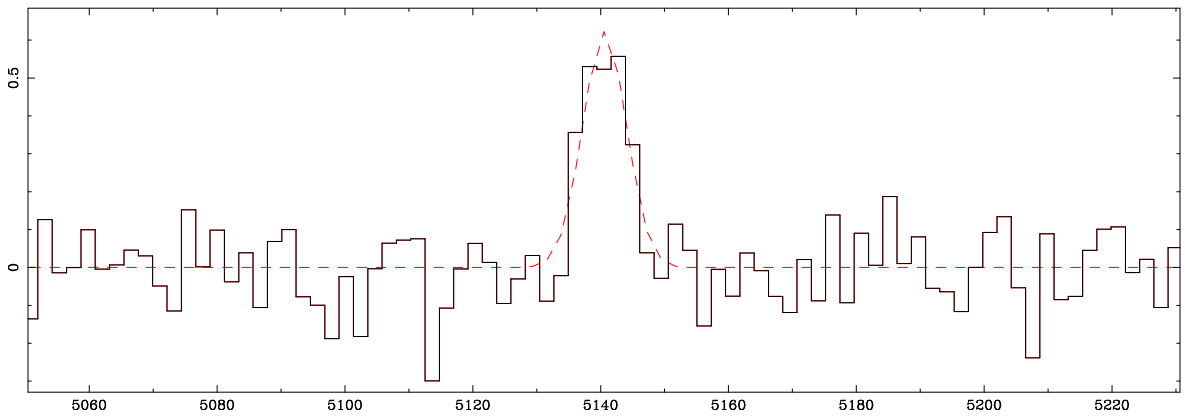
$FWHM_{obs}$ = 9.95Å

λ_{obs} = 5406.81Å

EW_{obs} > 63.38Å

α_{2000} = 150.0461°

δ_{2000} = 2.2074°



S/N = 8.70

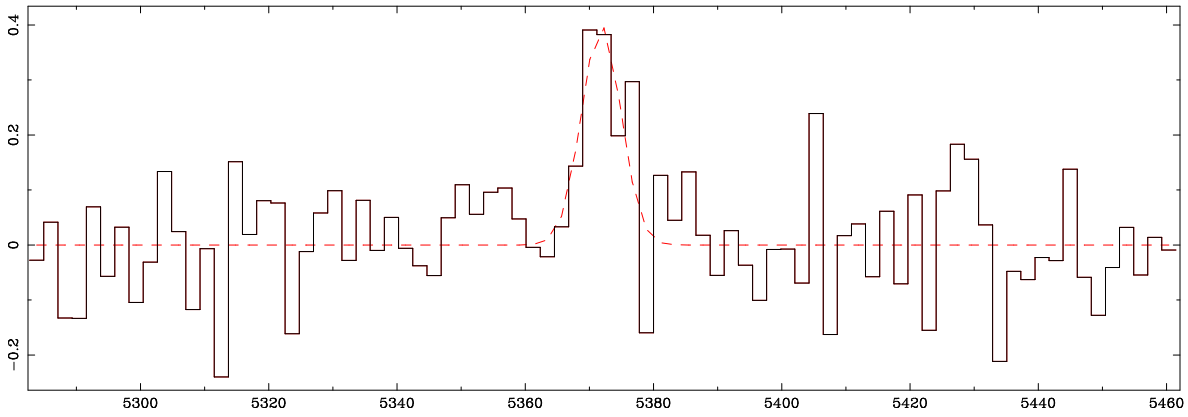
$FWHM_{obs}$ = 8.05Å

λ_{obs} = 5140.62Å

EW_{obs} = 75.49Å

α_{2000} = 150.0503°

δ_{2000} = 2.3341°



$S/N = 5.35$

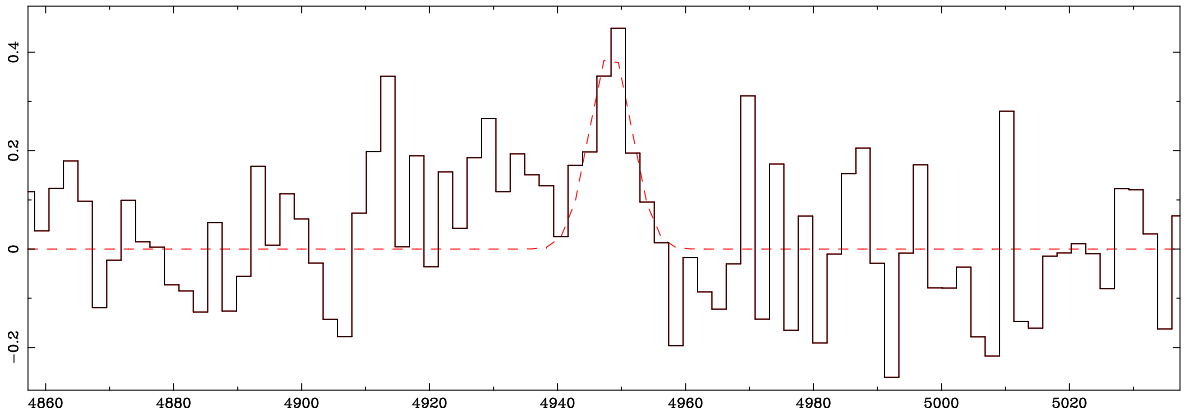
$FWHM_{obs} = 7.23$Å

$\lambda_{obs} = 5371.85$Å

$EW_{obs} > 61.83$Å

$\alpha_{2000} = 150.0292°$

$\delta_{2000} = 2.3244°$



S/N = 5.22

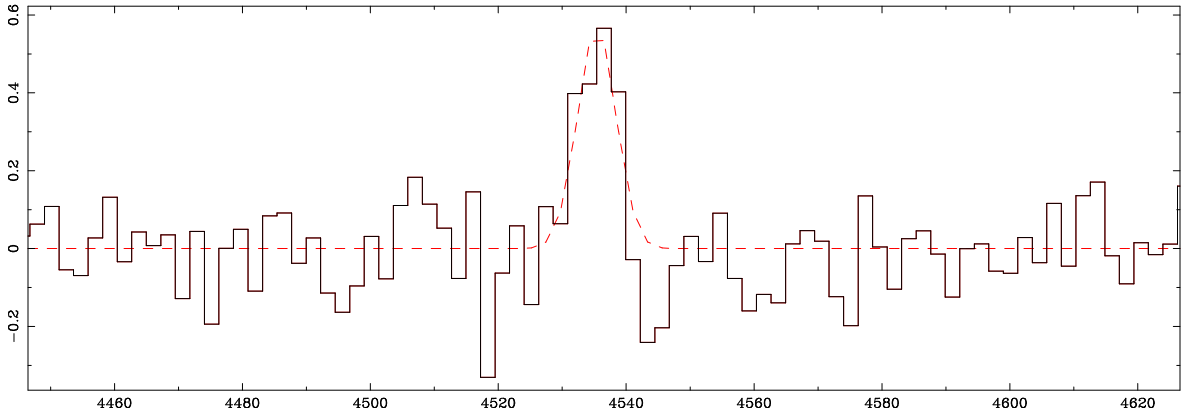
$FWHM_{obs}$ = 7.74Å

λ_{obs} = 4948.32Å

EW_{obs} = 4.38Å

α_{2000} = 150.0234°

δ_{2000} = 2.3385°



$S/N = 5.93$

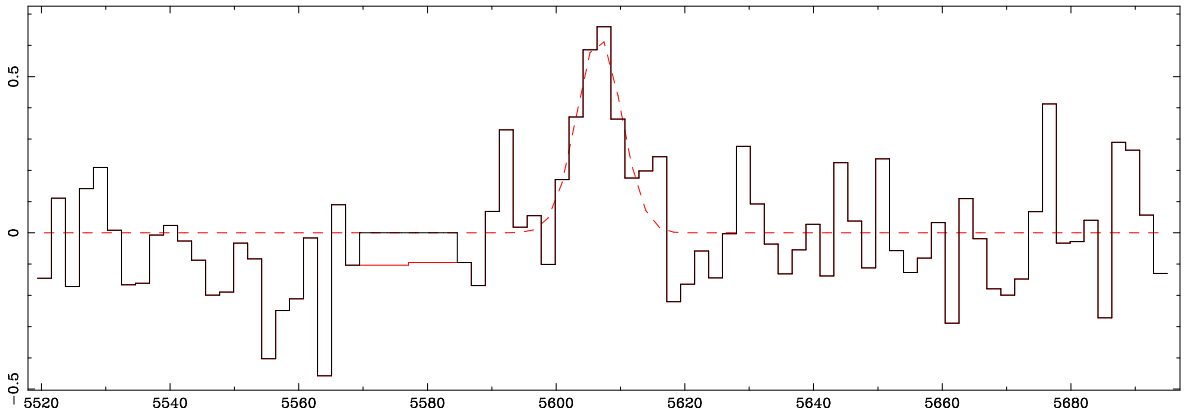
$FWHM_{obs} = 7.04$Å

$\lambda_{obs} = 4535.41$Å

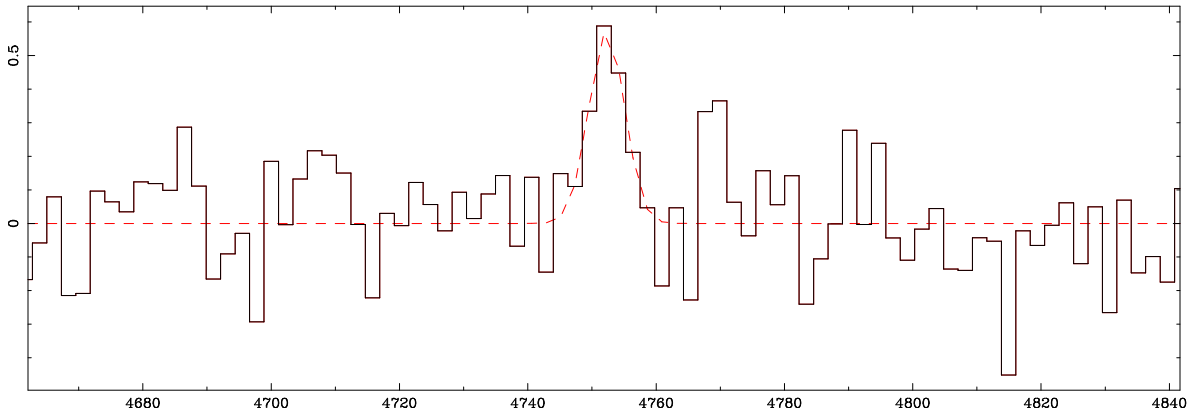
$EW_{obs} > 71.82$Å

$\alpha_{2000} = 150.0243°$

$\delta_{2000} = 2.3298°$



S/N = 5.04
$FWHM_{obs}$ = 8.20Å
λ_{obs} = 5606.67Å
EW_{obs} > 58.25Å
α_{2000} = 150.0294°
δ_{2000} = 2.3164°



$S/N = 5.19$

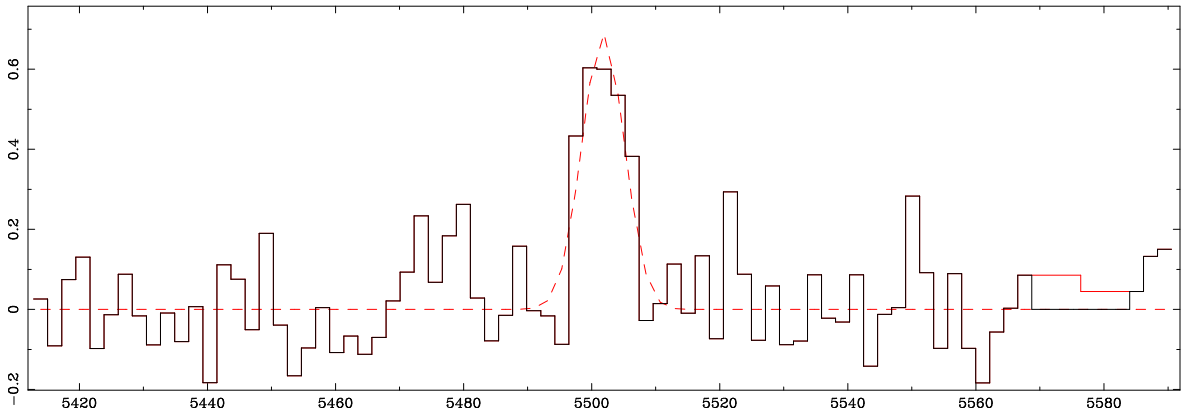
$FWHM_{obs} = 6.51Å$

$\lambda_{obs} = 4752.31Å$

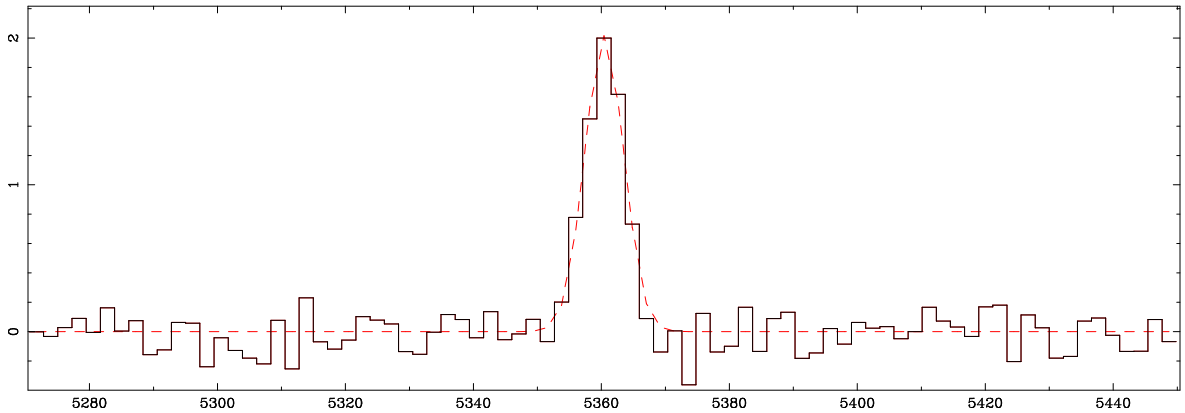
$EW_{obs} > 56.73Å$

$\alpha_{2000} = 150.0685°$

$\delta_{2000} = 2.3417°$



S/N = 6.60
$FWHM_{obs}$ = 7.76Å
λ_{obs} = 5501.79Å
EW_{obs} = 35.97Å
α_{2000} = 150.0805°
δ_{2000} = 2.3404°



$S/N = 17.78$

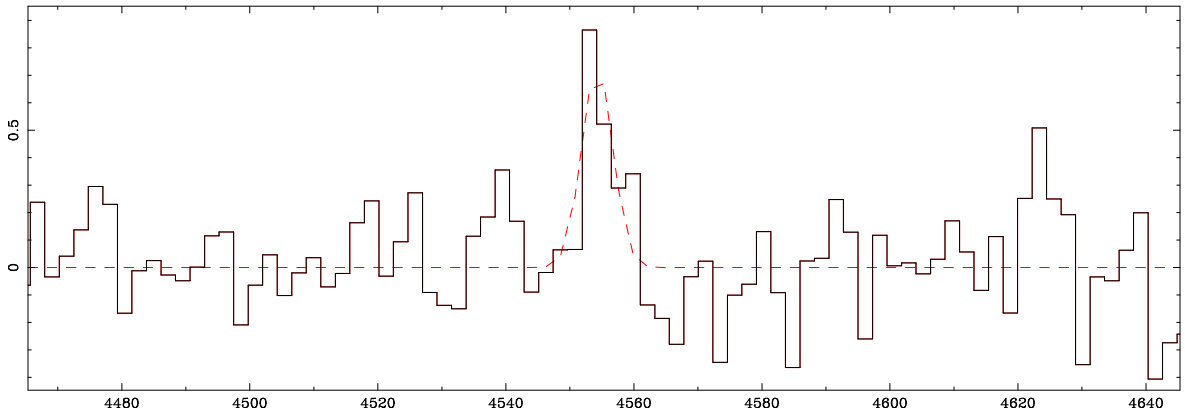
$FWHM_{obs} = 7.15Å$

$\lambda_{obs} = 5360.45Å$

$EW_{obs} = 42.40Å$

$\alpha_{2000} = 150.0744°$

$\delta_{2000} = 2.3381°$



$S/N = 5.12$

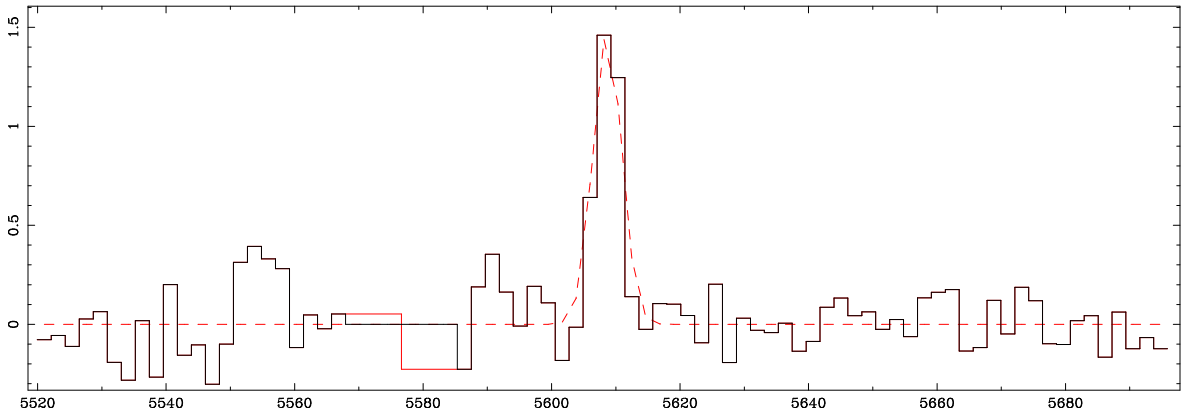
$FWHM_{obs} = 5.64Å$

$\lambda_{obs} = 4554.28Å$

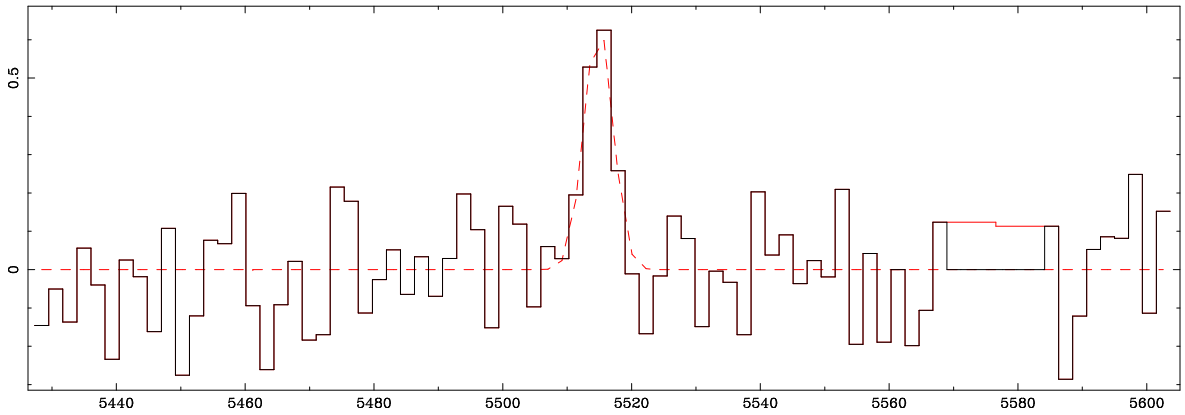
$EW_{obs} = 6.61Å$

$\alpha_{2000} = 150.0733°$

$\delta_{2000} = 2.3261°$



S/N = 10.58
$FWHM_{obs}$ = 5.20Å
λ_{obs} = 5608.67Å
EW_{obs} = 68.19Å
α_{2000} = 150.0673°
δ_{2000} = 2.3214°



S/N = 5.52

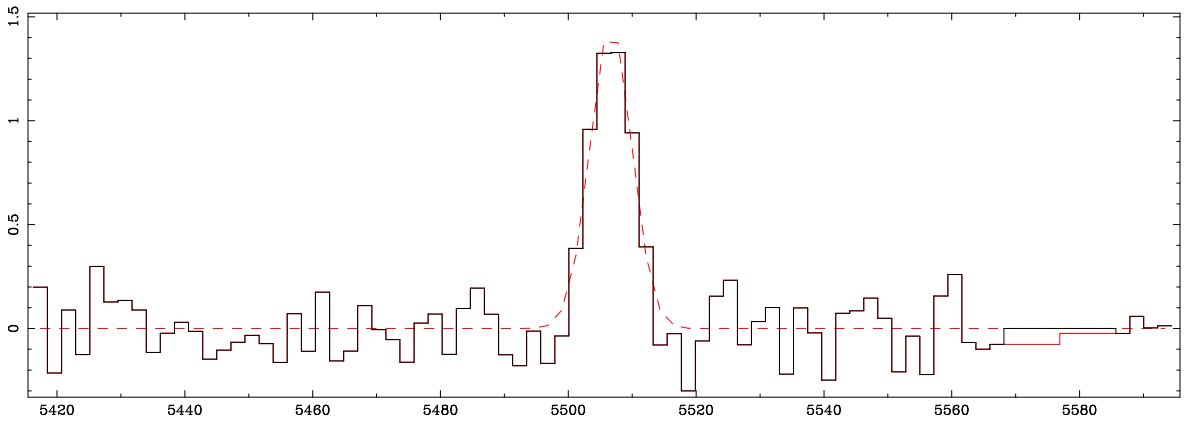
$FWHM_{obs}$ = 5.20Å

λ_{obs} = 5514.86Å

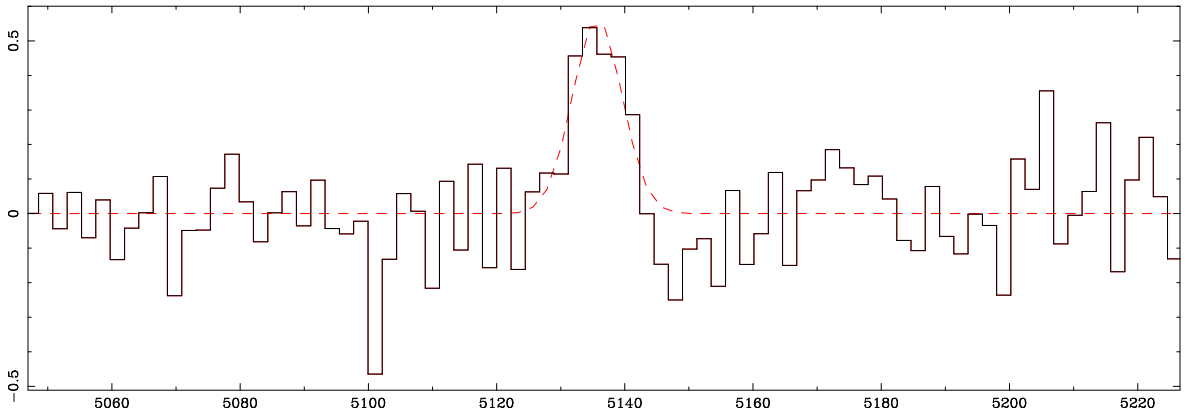
EW_{obs} > 54.78Å

α_{2000} = 150.0725°

δ_{2000} = 2.3451°



S/N = 16.12
$FWHM_{obs}$ = 7.64Å
λ_{obs} = 5506.67Å
EW_{obs} = 75.79Å
α_{2000} = 150.0554°
δ_{2000} = 2.3332°



S/N = 7.07

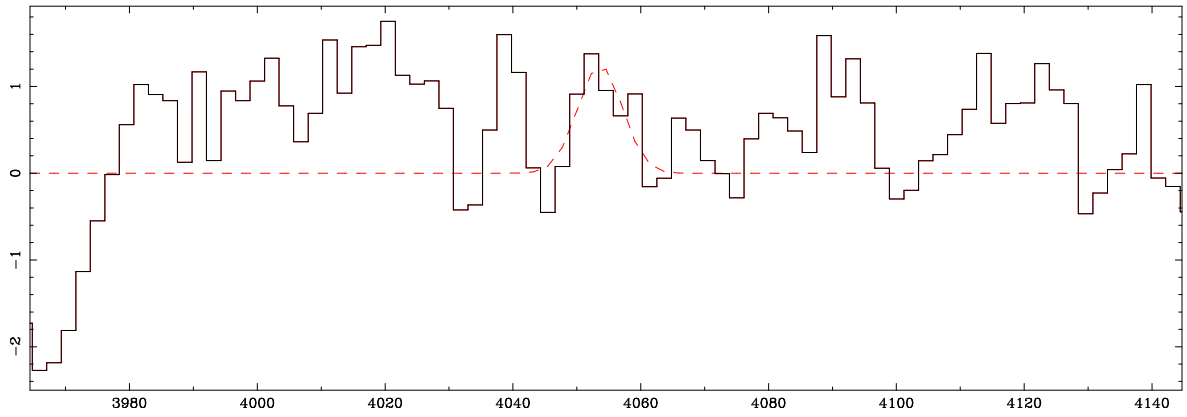
$FWHM_{obs}$ = 9.04Å

λ_{obs} = 5135.70Å

EW_{obs} = 17.36Å

α_{2000} = 150.0545°

δ_{2000} = 2.3396°



S/N = 6.90

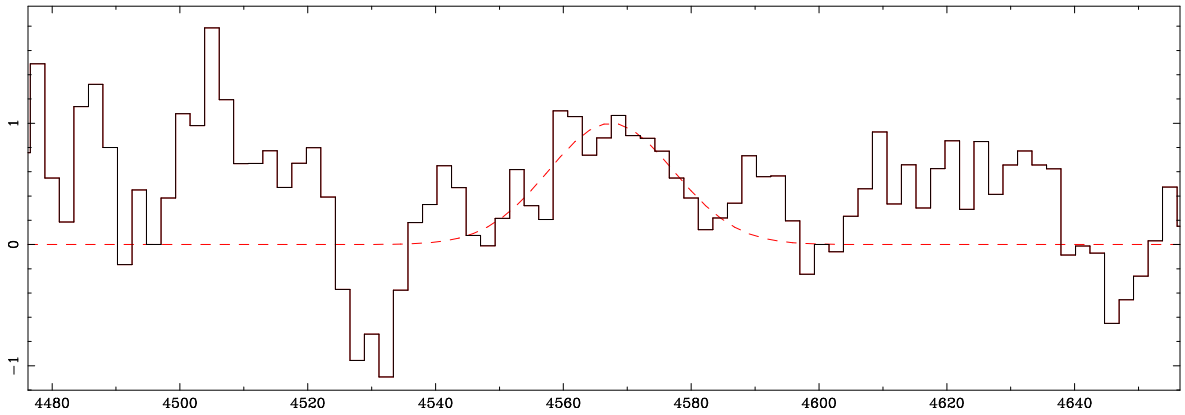
$FWHM_{obs}$ = 8.23Å

λ_{obs} = 4053.65Å

EW_{obs} = 3.05Å

α_{2000} = 150.0774°

δ_{2000} = 2.3307°



$S/N = 9.32$

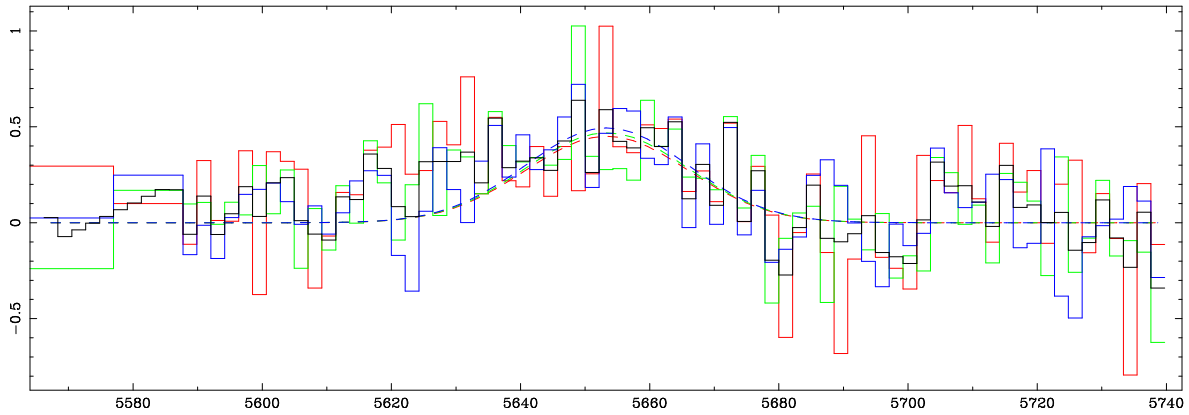
$FWHM_{obs} = 23.12Å$

$\lambda_{obs} = 4567.44Å$

$EW_{obs} = 4.24Å$

$\alpha_{2000} = 150.0774°$

$\delta_{2000} = 2.3307°$

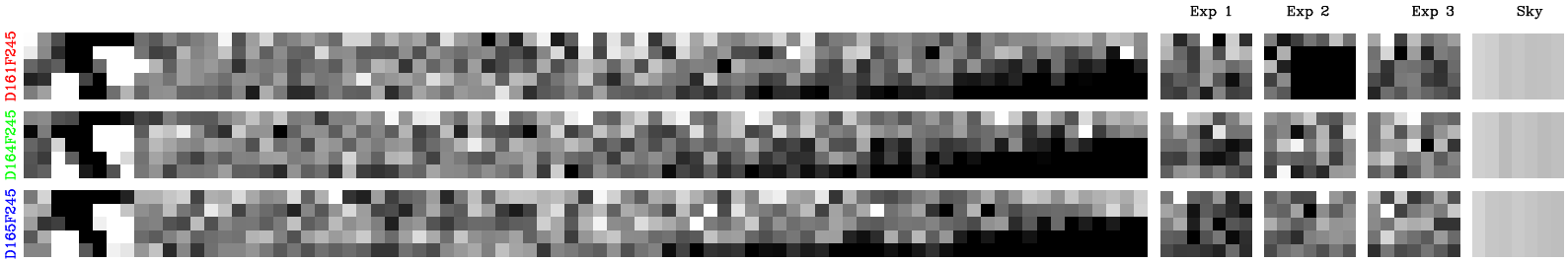


$S/N = 6.54$

$FWHM_{obs} = 29.60Å$

$\lambda_{obs} = 5653.36Å$

$EW_{obs} > 260.70Å$

$\alpha_{2000} = 150.1058°$

$\delta_{2000} = 2.2653°$