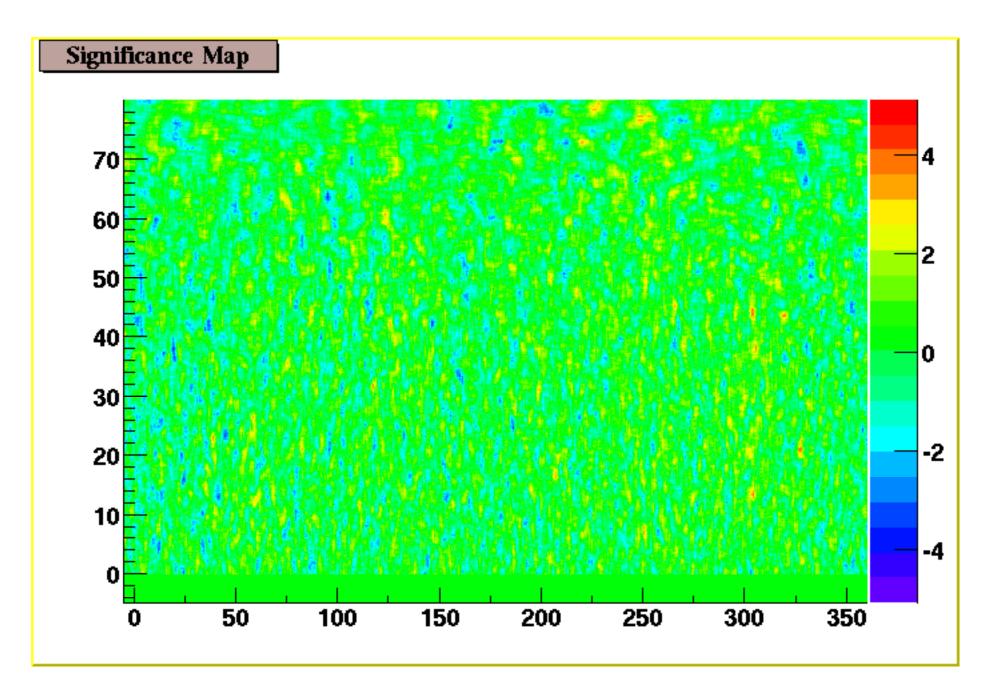
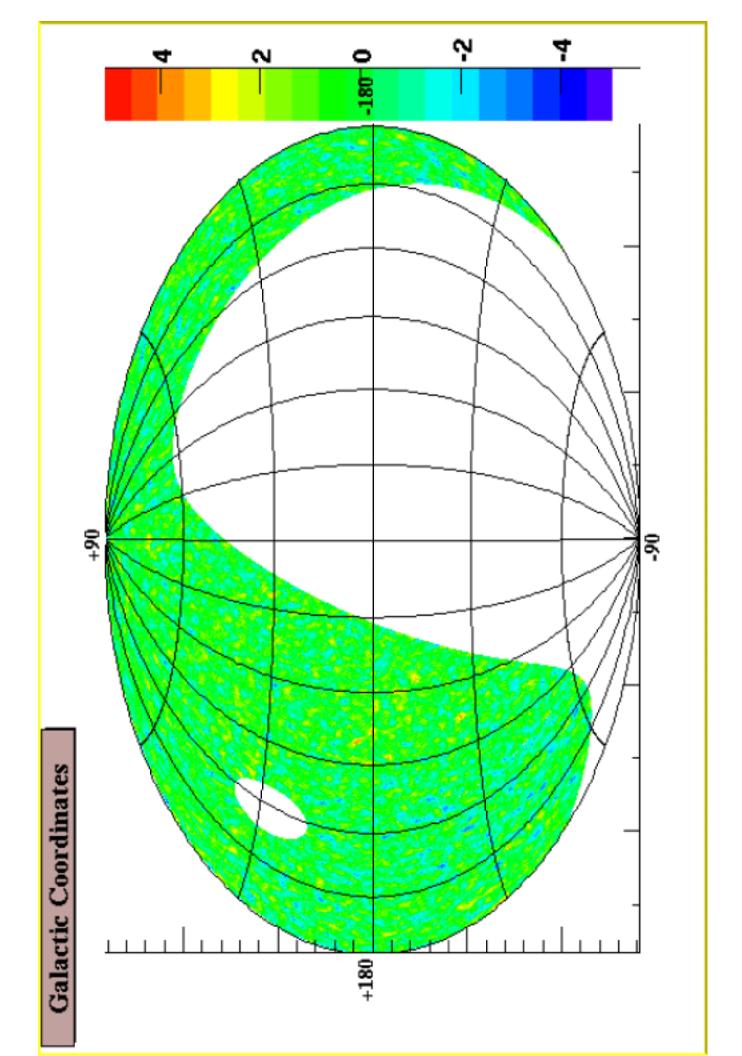
## >2 Hour Online Transient Search

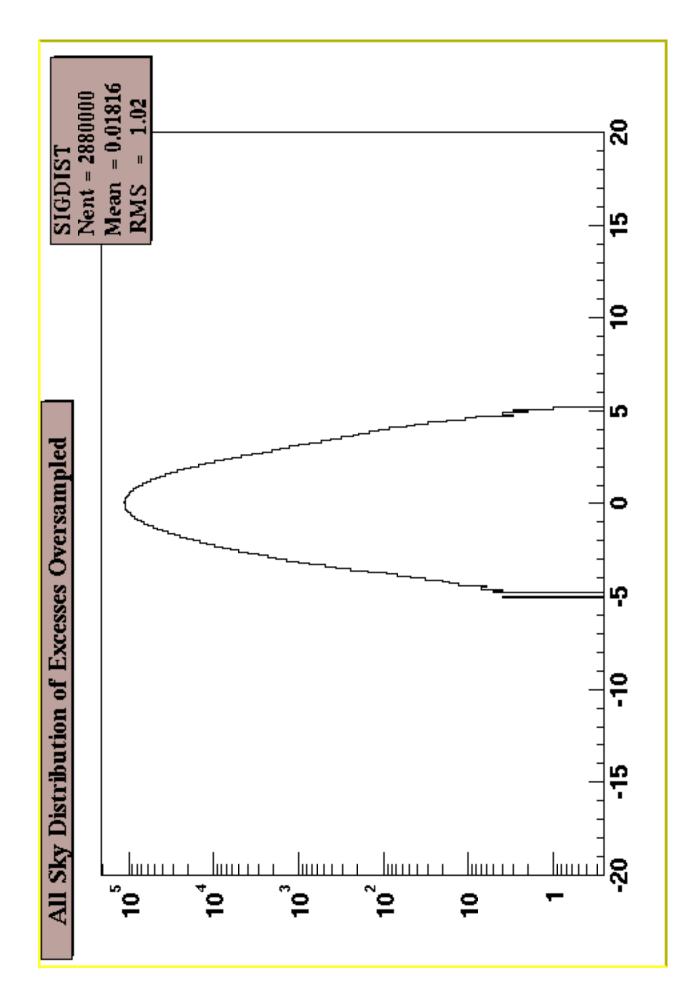
Running in real time online since Feb. 6, 2002.

Fully "databased" since Mar 4,2003.

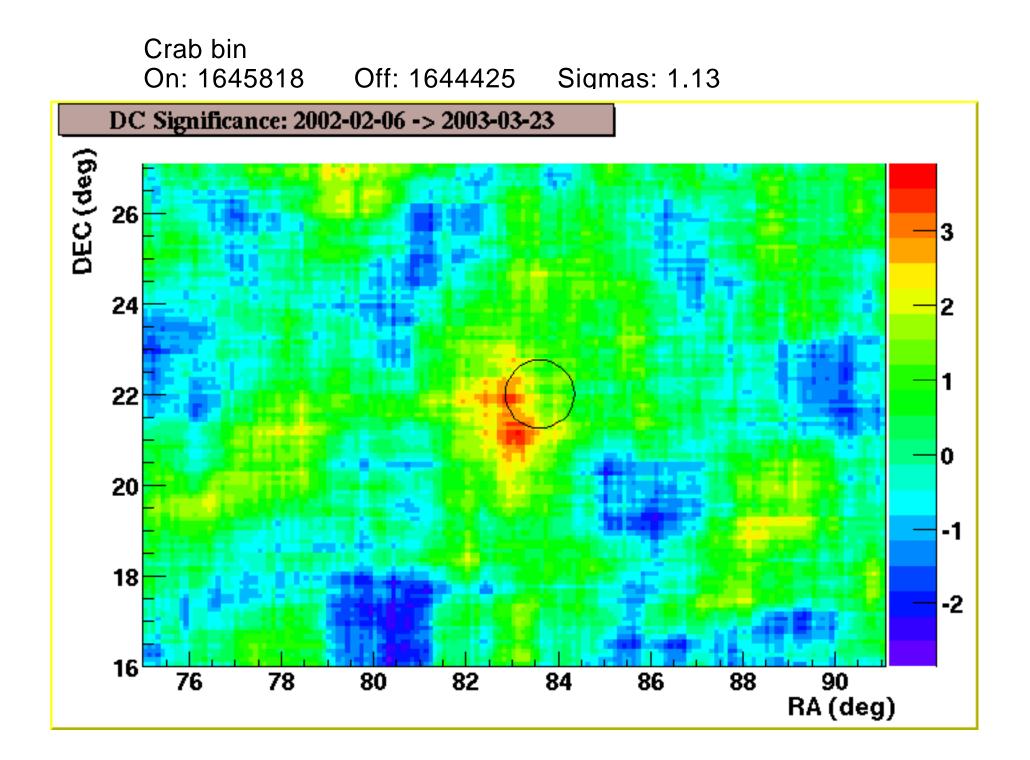
## 2002-02-06 4:15:24 UT -> 2003-03-23 00:11:18 UT







			Sigma	4.81	4.16	4.26	4.06	4.48	4.36	4.06	4.09	4.19	4.60	4.64	5.10	4.85	4.95	
			nExpected	1121934.75	1722947.38	1916183.12	972532.38	2228342.25	2170142.75	1844698.50	323842.75	2229865.75	2170007.00	1007104.12	2353998.00	2221760.25	1563216.62	
		>4.0 Sigma Locations	and a second sec	1126853	1728211	1921863	976397	2234771	2176317	1849934	325868	2235836	2176476	1011604	2361497	2228659	1569185	
DC Map Hot Spots			DEC (deg)	14.90	23.00	26.40	12.80	31.80	30.90	49.60	77.30	45.00	44.00	13.40	38.10	43,40	20.80	
DC Map	Back to Search Results		RA (deg)	35.50	39.20	58.70	61.20	118.00	198.80	205.30	253.10	266.20	304.20	304.20	305.90	319.50	327.50	

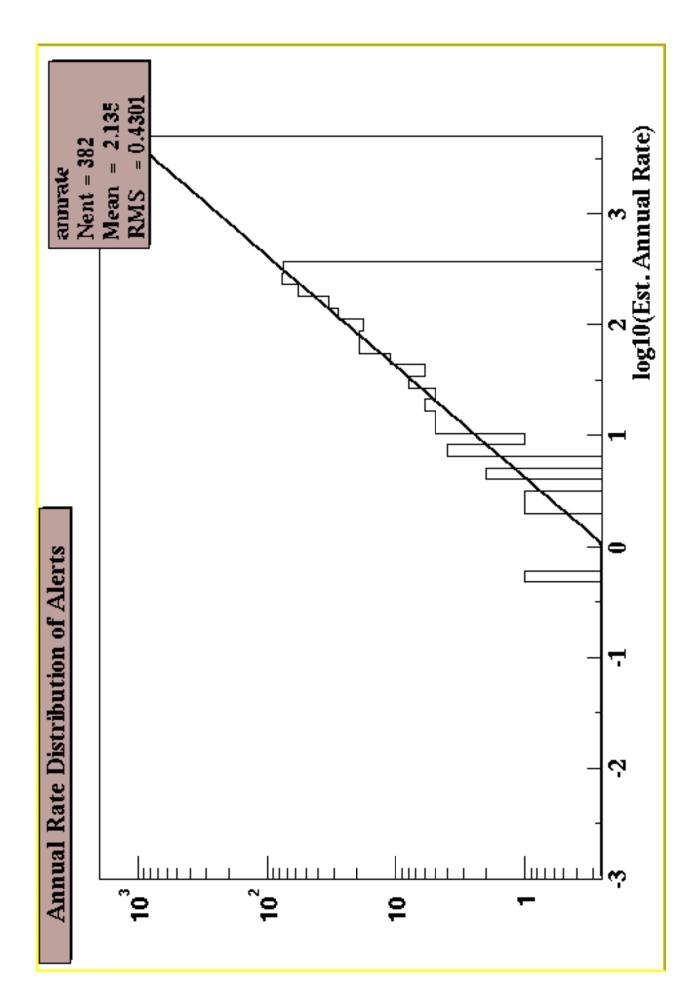


Hot Spots Report From Mar 4, 2002 To Mar 27,2003

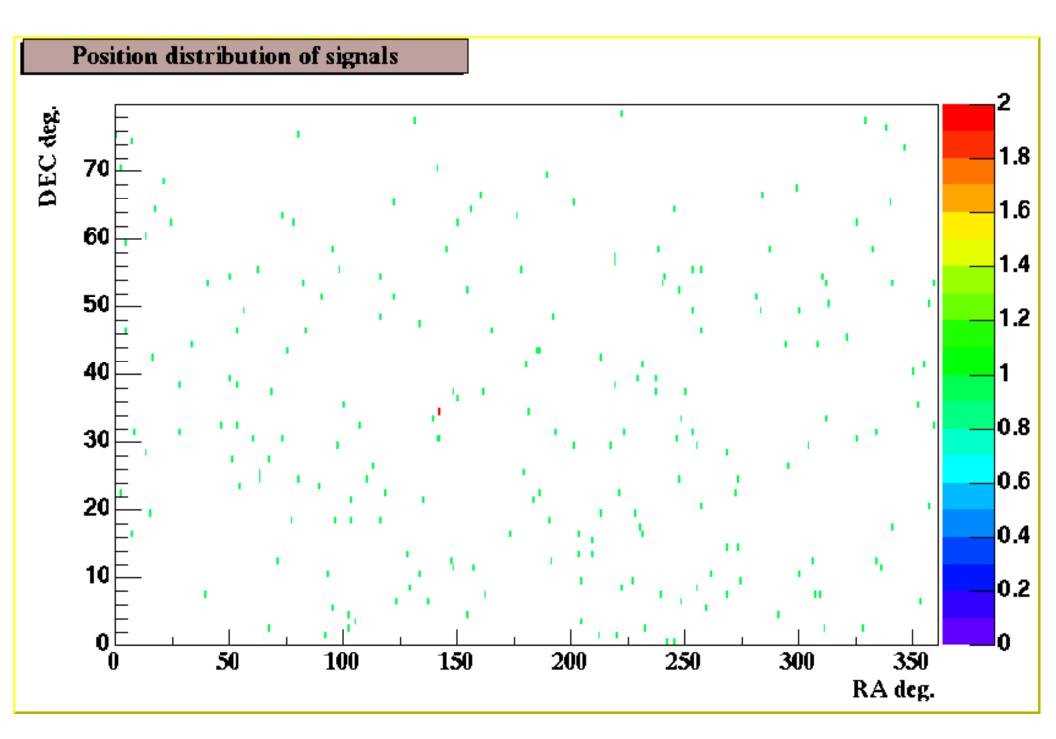
382 Alerts all time scales
214 2 hour alerts
63 day alerts
95 overlapping day alerts (repeat bug ~30)
9 week alerts
1 month alert

Conclusion: Rebalancing needed!

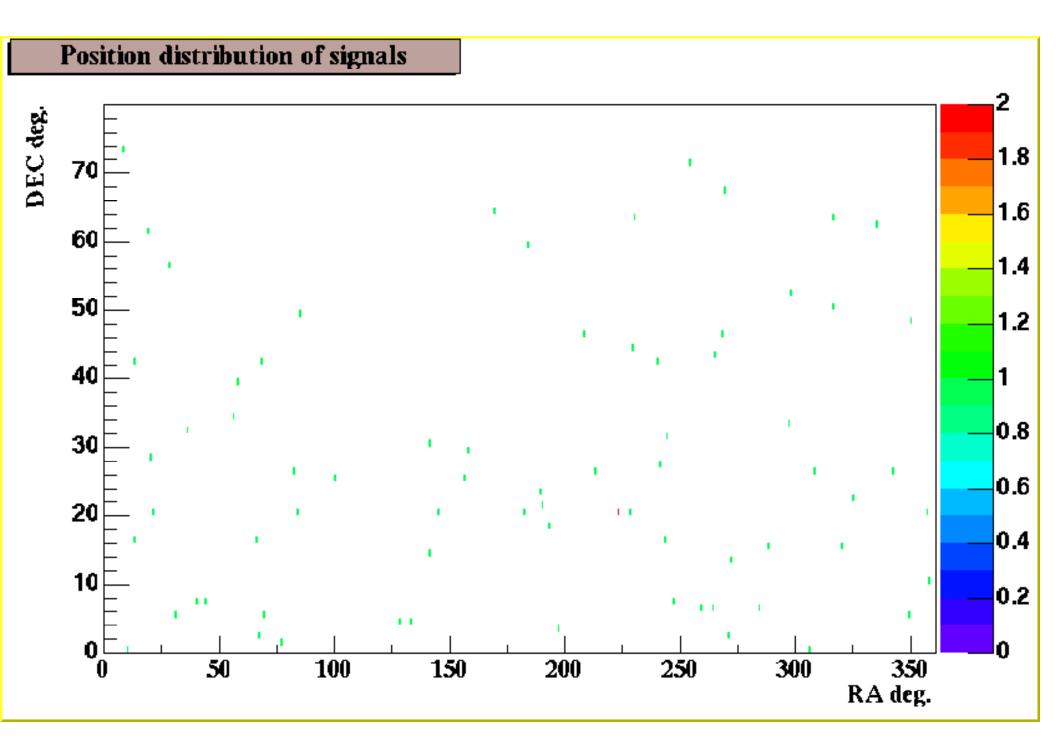
Also start monitoring alerts at lower thresholds.



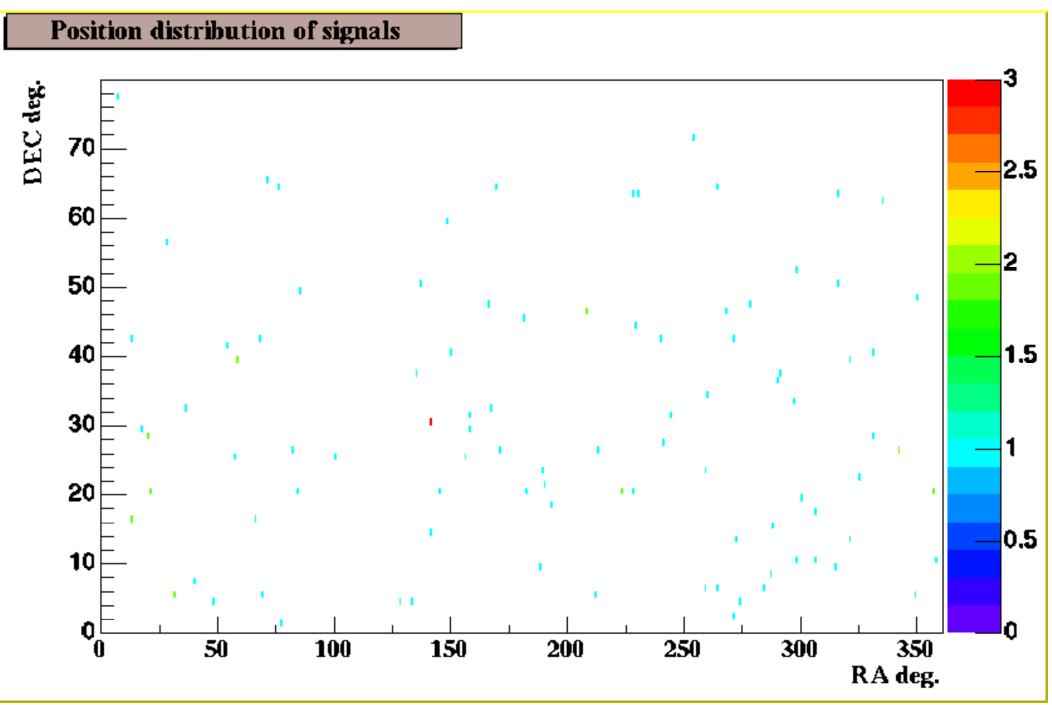
2 Hour time scale alerts >~5.2 sigma



Day, Week, Month time scale alerts >~5 sigma



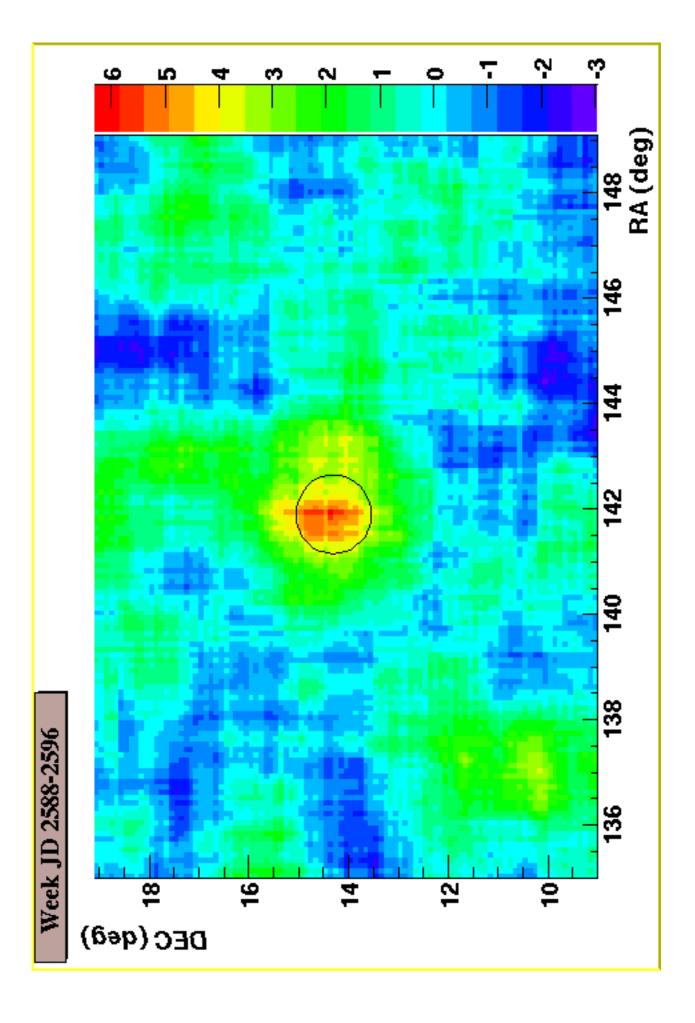
## Overlapping Day, Week, Month >~ 5 sigma

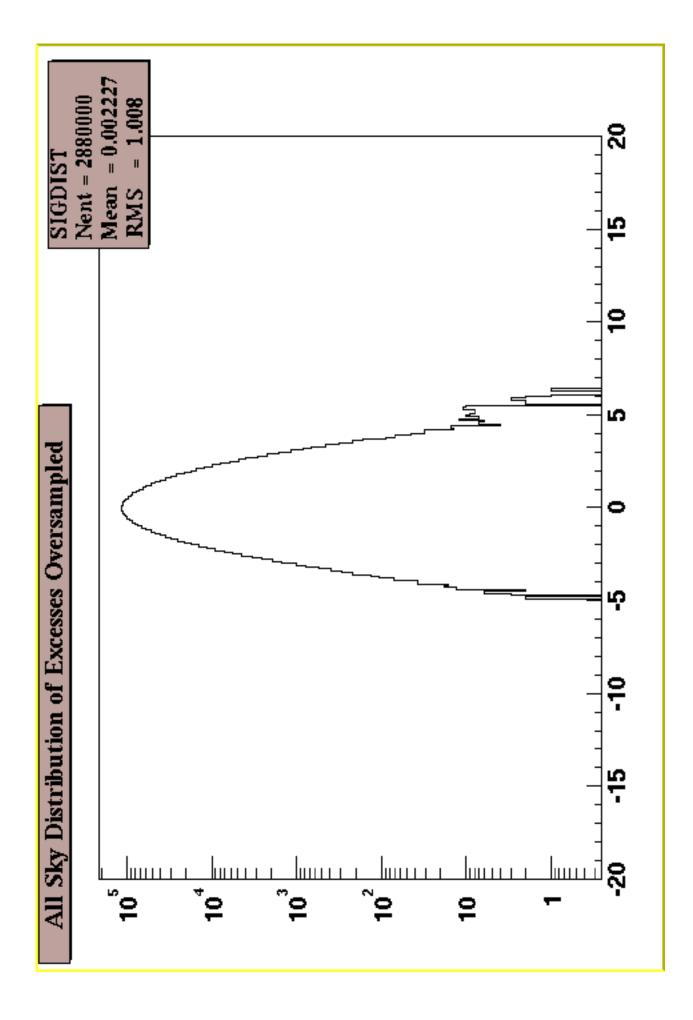


Most Significant Location

Week Map: 2001-11-10 00:22 2002-11-18 19:53 RA 141.9, DEC 14.3 On: 19252 Off:18425.9 Excess: 826.1 Sigma: 6.33

Note: Map includes calibration version change





## Why Stop There?

The search runs stably. We understand the alert rates fairly well. Time to start making some of these alerts available.

Some ideas for a public web page:

Timescales longer than a day are most interesting for flares.

By monitoring alerts at a lower threshold, we can pick up on likely candidates for low level flaring (recent MKN 421 behaviour).