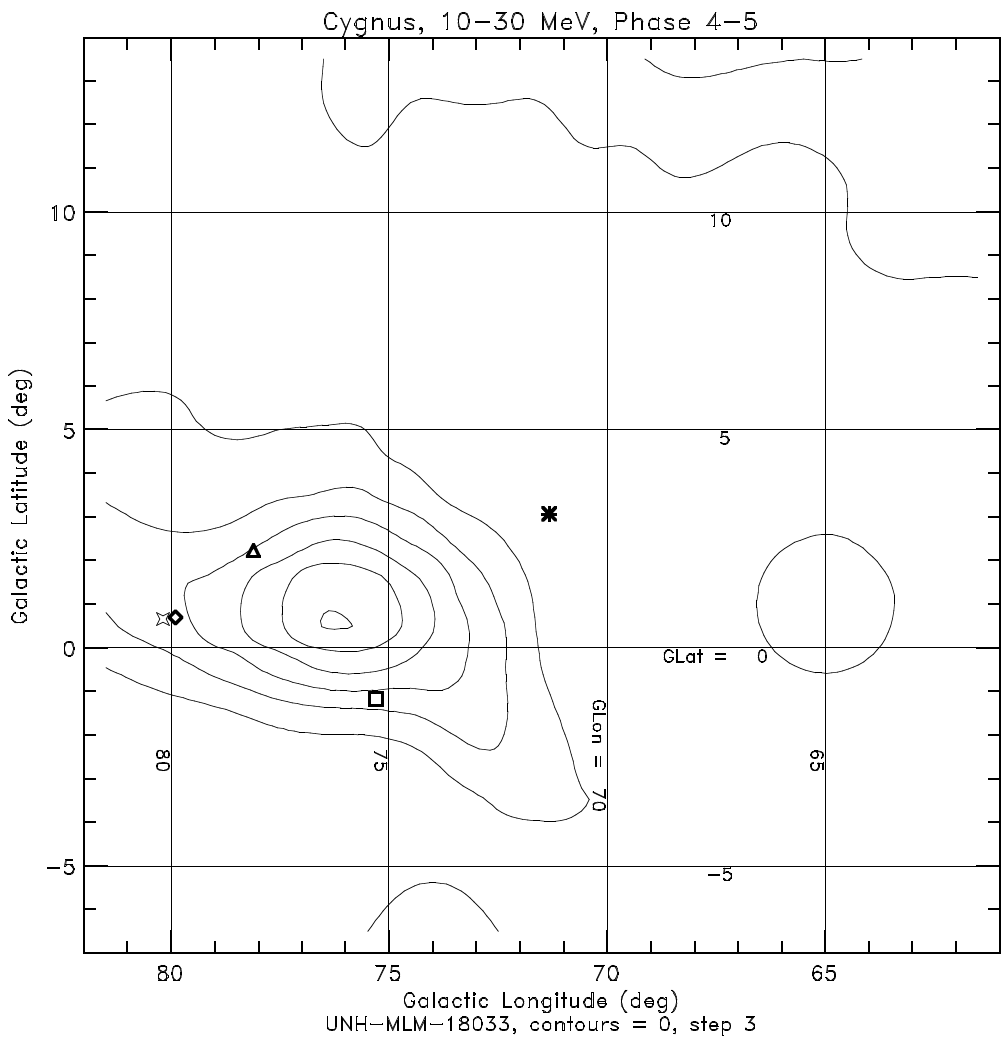


## *High Energy Cygnus Source ( $E > 10$ MeV)*

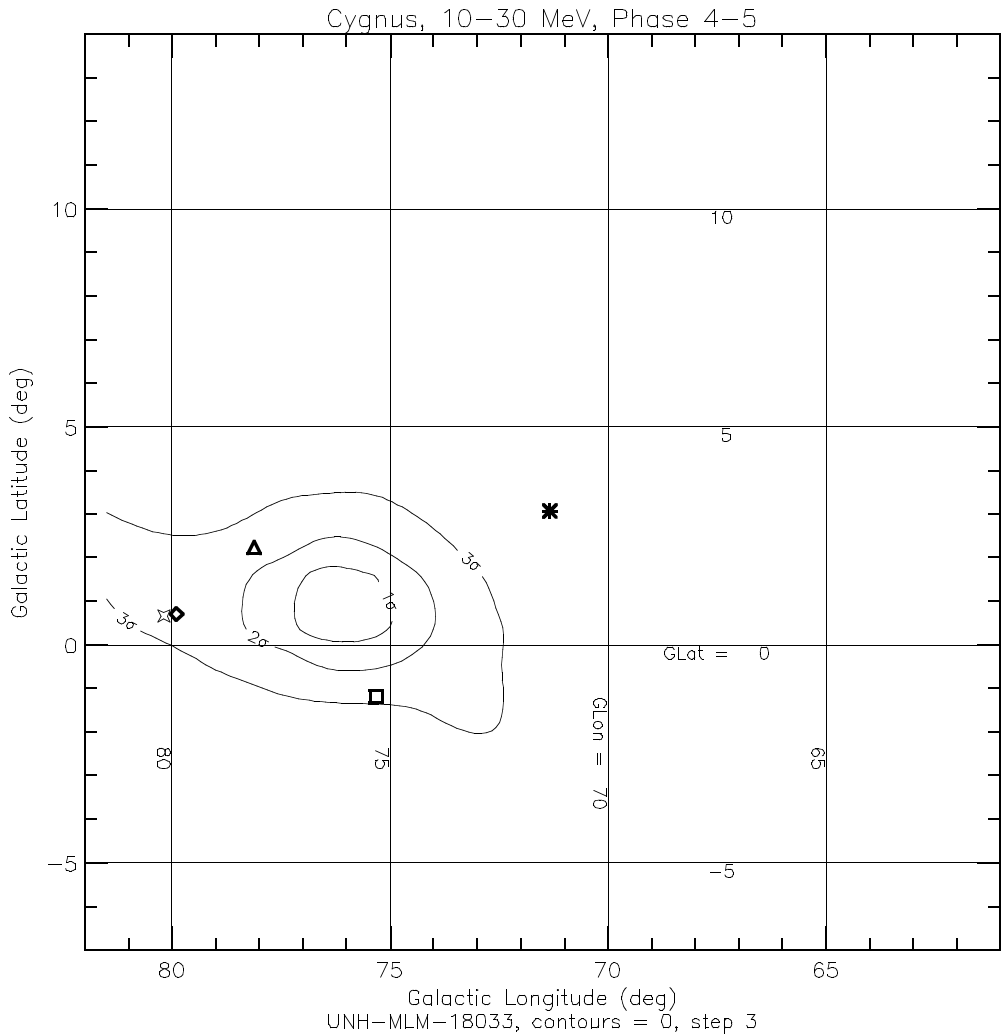
- At the last team meeting, Andy's latest all-sky map (encompassing all data through much of phase 5) showed evidence for a strong source near Cygnus X-1 in 10-30 MeV
- No evidence for such a source had been seen in the phase 1-3 data.
- Used standard (MPE) data products to investigate.
- Relevant viewing periods from phase 4 and 5: 403.0, 410.0, 429.5, 506.0, 503.0, 516.5, and 519.0.
- Individual observations show nothing significant.
- Sum of all 10-30 MeV data from phase 4 and 5 show evidence for a source with max likelihood of 18.9 at  $(l,b) = (76.1^\circ, 0.8^\circ)$ .
- Clearly not consistent with Cyg X-1.
- Three EGRET sources and Cyg X-3 are consistent with the location contours.
- Presently investigating whether there was any unusual activity observed by EGRET during phase 4-5 (w/ Psreekumar).

# High Energy Cygnus Source ( $E > 10$ MeV)



	CHI,	PSI]	[ GLon,	GLat]	
* [	71.34,	3.07]	[ 71.34,	3.07]	Cyg X-1
◇ [	79.90,	0.70]	[ 79.90,	0.70]	Cyg X-3
△ [	78.12,	2.23]	[ 78.12,	2.23]	2EG J2020+4026
□ [	75.31,	-1.18]	[ 75.31,	-1.18]	2EG J2026+3610
⊠ [	80.19,	0.66]	[ 80.19,	0.66]	2EG 2033+4112

# High Energy Cygnus Source ( $E > 10$ MeV)



	[ CHI, PSI]	[ GLon, GLat]		[ CHI, PSI]	[ GLon, GLat]
*	[ 71.34, 3.07]	[ 71.34, 3.07]	Cyg X-1	[ 76.10, 0.80]	[ 76.10, 0.80]
◇	[ 79.90, 0.70]	[ 79.90, 0.70]	Cyg X-3		
△	[ 78.12, 2.23]	[ 78.12, 2.23]	2EG J2020+4026		
□	[ 75.31, -1.18]	[ 75.31, -1.18]	2EG J2026+3610		
⊠	[ 80.19, 0.66]	[ 80.19, 0.66]	2EG 2033+4112		