

Status Report on Polar MFE Data Processing

January 26, 2007

The table below shows the status of the various segments in processing the recent MFE data. Since last report we have completed the data processing for March 2006. Due to the degraded data during some telemetry downlink contacts, the April 2006 data contain many gaps and the processing requires an exceeding amount of human intervention. We estimate that the April 2006 data can be ready after a week.

	Months Completed	Months in Process	Received not processed	% Complete (of 128 months in total)
Timing Table	129 (up to 11/06)	--	--	100%
Attitude Data Smoothing	128 (up to 10/06)	7/06	8/06	99%
Offset Calculation	122 (up to 4/06)	5/06	6/06 – 11/06	95%
Coupling Matrix Calculation	122 (up to 4/06)	5/06	6/06 – 11/06	95%
Preliminary High-resolution Data	122 (up to 4/06)	5/06	6/06 – 11/06	95%
Data Correction	121 (up to 3/06)	4/06	5/06 – 11/06	94%
Magnetometer Calibration	121 (up to 3/06)	4/06	5/06 – 11/06	94%
Level 1 Processing	121 (up to 3/06)	4/06	5/06 – 11/06	94%
Data Inspection	121 (up to 3/06)	4/06	5/06 – 11/06	94%
Key Parameters	121 (up to 3/06)	4/06	5/06 – 11/06	94%
Web Data Server	121 (up to 3/06)	4/06	5/06 – 11/06	94%

Re-processing (1996-1999 data)

In the last month we re-processed and submitted 3 months of data (June-August 1997) made with the new code that includes the latest IGRF and Tsyganenko reference fields.

Months Completed	Months in Process	% Complete (of 46 months in total)
18 (up to 8/97)	9/97	39%