



## 1 General Comments

The activities scheduled for this week are those planned for calendar week 37 of year 2013, from 09/09/2013 to 16/09/2013 (DOYs 252 to 259).

The following routine activities were planned during this week (see Gantt chart on next page):

- X-band passes over ESAC and Svalbard.
- One PMS offset, short calibration, on 12/09/2013 at 15:22:45
- Local oscillator calibration every 10 minutes.
- One NIR External calibration, on 11/09/2013 at 15:56:00z (revolution 20283). Calibration information for this external calibration is as follows:

BT=3.873763

RMS=0.512145

Moon Elevation=-73.261620

Sun Elevation=-1.512544

RA=75.178490

DEC=32.494186

## 2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.



# Operations Notes

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	SEP-2013						
	Mon, 09-SEP-2013	Tue, 10-SEP-2013	Wed, 11-SEP-2013	Thu, 12-SEP-2013	Fri, 13-SEP-2013	Sat, 14-SEP-2013	Sun, 15-SEP-2013
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ	[Black bar]			[Black bar]			
XB_Cmd_Downlink_Svalb_SEQ							
SBand_Visibility_SEQ							
XB_Cmd_Downlink_Vilspa_SEQ							
External_Calibration_NIR_Full_OBOP_SEQ							
Update_Cyclic_LO_Ph_Cal_NoU_Full_EXT_SEQ			♦				
Int_LO_Phase_Cal_NoUnoise_FULL_EXT_SEQ							
Disable_Cyclic_Function_SEQ			♦	♦			
Enable_Cyclic_Function_SEQ			♦	♦			
Update_Cyclic_LO_Ph_Cal_NoU_Full_NotEXT_SEQ			♦				
PMS_Offset_Calibration_Full_SEQ							



### 3 TC Failures

None.

### 4 Unforeseen Out Of Limits (OOLs)

No relevant Out of Limits happened during this reporting period. Further details can be found in Appendix-A of this document.

### 5 On Board Anomalies

No onboard anomalies happened during this week.

### 6 Telemetry On Board Events in the period.

The following RAM single bit errors were detected during this period:

Event Description	Severity	Event Time	Parameters
RAM Single Bit error	WARN	2013.253.09.55.55	201C780
RAM Single Bit error	WARN	2013.255.09.32.18	222D244
RAM Single Bit error	WARN	2013.257.11.50.53	21CF8AC

### 7 FOS System Status

-On day 2013/09/10 the following E\_HKTM files:

*R\_PARAM\_HKTMT\_SMO\_SMO\_PLIVR\_02\_2013\_09\_10\_01\_07\_38\_2013\_09\_10\_09\_42\_34\_2013\_09\_10\_10\_05\_45* and

*R\_PARAM\_HKTMT\_SMO\_SMO\_PLIVR\_01\_2013\_09\_10\_01\_07\_38\_2013\_09\_10\_09\_42\_34\_2013\_09\_10\_10\_05\_46*

arrived in the wrong time order. As consequence of that, those files were not processed at the time the corresponding S-band pass arrived to ESAC PLCEXT machine. The files were later on reprocessed outside the local reception of the S-band files. No impact.

-The same problem also happen for the following PLVIR files:

*R\_PARAM\_HKTMR\_SMO\_SMO\_PLIVR\_01\_2013\_09\_15\_06\_05\_20\_2013\_09\_15\_09\_47\_52\_2013\_09\_15\_10\_10\_28* and

*R\_PARAM\_HKTMR\_SMO\_SMO\_PLIVR\_02\_2013\_09\_15\_06\_05\_20\_2013\_09\_15\_09\_47\_52\_2013\_09\_15\_10\_10\_28*



received under Kourou pass, KRU 17, on day 2013/09/15 at 09:45z. As in the previous case the files were ingested later on without problem.

Some data gaps occurred for the S-band pass KRU-15 starting on day 2013/09/13 at 21:51z. The list of detected data gaps is as follows

- from 19;21:36 to 19:21:40, source sequence gap from 8382 to 8390
- from 19;22:22 to 19:22:28, source sequence gap from 8460 to 8470
- from 20:20:34 to 20:20:39, source sequence gap from 15849 to 14957
- from 20:21:18 to 20:21:22, source sequence gap from 14921 to 14929
- from 21:18:42 to 21:18:46, source sequence gap from 4836 to 4844
- from 21;19:31 to 21:19:36, source sequence gap from 4918 to 4926

A new disk has been installed on the MUST1 machine replacing the faulty one. Data recovery from the latest available backup started on 2013/09/12. The whole restore of the data backup will last for about three or four days. While this data recovery is taking place, the service of the MUST/GRAINS system remains down. Due to the same recovery problem, the data transfer process from MUST1 to MUST2 is also interrupted although the MUST2, WebMUST, remains available for any external user.

## **8 Data Reception from CNES**

No problems.

## **9 X-Band Data Reception in PXM**

No events on board in the period were causing loss of sensed data.

## **10 Exceptional Activities**

None.

## **11 AOB**

None.



APPENDIX A: OOL's

ERT	OBT	TM parameter	Error Message
2013.252.12.04.55.788	2013.252.04.18.17.968	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.252.12.04.55.792	2013.252.04.18.17.968	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.252.12.07.06.665	2013.252.05.27.21.616	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.252.12.07.06.668	2013.252.05.27.21.616	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.252.18.10.23.058	2013.252.15.55.53.146	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.252.18.10.23.062	2013.252.15.55.53.146	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.254.12.20.29.020	2013.254.11.07.01.783	NMASME08	2 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.254.12.20.29.024	2013.254.11.07.01.783	NMASME18	2 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.254.21.41.47.596	2013.254.15.24.57.116	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.254.21.41.47.598	2013.254.15.24.57.116	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.254.21.43.50.034	2013.254.16.34.00.748	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.254.21.43.50.035	2013.254.16.34.00.748	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.254.21.45.50.746	2013.254.17.43.04.402	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.254.21.45.50.748	2013.254.17.43.04.402	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.254.21.49.54.060	2013.254.20.02.15.276	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.254.21.49.54.063	2013.254.20.02.15.276	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.02.00.29.441	2013.254.21.13.20.099	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.02.00.29.442	2013.254.21.13.20.099	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.02.02.29.964	2013.254.22.22.23.752	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.02.02.29.965	2013.254.22.22.23.752	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.02.04.30.652	2013.254.23.31.28.592	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range



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2013.255.02.04.30.655	2013.254.23.31.28.592	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.02.06.23.194	2013.255.00.30.07.026	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.02.06.23.197	2013.255.00.30.07.026	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.02.06.45.343	2013.255.00.42.47.837	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.02.06.45.345	2013.255.00.42.47.837	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.04.01.51.485	2013.255.01.51.52.665	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.04.01.51.488	2013.255.01.51.52.665	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.04.02.19.639	2013.255.02.08.01.079	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.04.02.19.641	2013.255.02.08.01.079	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.04.03.52.970	2013.255.03.01.28.693	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.04.03.52.972	2013.255.03.01.28.693	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.52.57.841	2013.255.03.46.29.923	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.52.57.842	2013.255.03.46.29.923	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.53.39.870	2013.255.04.10.32.343	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.53.39.871	2013.255.04.10.32.343	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.55.35.445	2013.255.05.16.45.572	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.55.35.448	2013.255.05.16.45.572	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.55.41.271	2013.255.05.20.03.574	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.55.41.272	2013.255.05.20.03.574	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.57.41.775	2013.255.06.29.07.219	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.57.41.777	2013.255.06.29.07.219	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.59.52.770	2013.255.07.38.10.864	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.08.59.52.772	2013.255.07.38.10.864	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.10.30.09.337	2013.255.08.47.15.685	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.10.30.09.338	2013.255.08.47.15.685	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range



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2013.255.10.32.14.247	2013.255.09.58.44.516	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.10.32.14.249	2013.255.09.58.44.516	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.36.41.381	2013.255.11.07.48.167	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.36.41.382	2013.255.11.07.48.167	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.38.41.965	2013.255.12.16.53.005	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.38.41.968	2013.255.12.16.53.005	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.40.52.899	2013.255.13.25.56.644	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.40.52.900	2013.255.13.25.56.644	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.42.53.550	2013.255.14.35.01.486	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.42.53.552	2013.255.14.35.01.486	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.44.54.142	2013.255.15.44.05.105	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.44.54.144	2013.255.15.44.05.105	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.46.55.822	2013.255.16.53.08.758	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.46.55.824	2013.255.16.53.08.758	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.48.57.489	2013.255.18.02.50.799	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.48.57.491	2013.255.18.02.50.799	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.50.58.414	2013.255.19.12.06.443	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.255.22.50.58.416	2013.255.19.12.06.443	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.05.37.008	2013.255.20.21.10.068	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.05.37.010	2013.255.20.21.10.068	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.07.37.649	2013.255.21.30.14.907	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.07.37.651	2013.255.21.30.14.907	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.08.02.535	2013.255.21.44.32.919	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.08.02.539	2013.255.21.44.32.919	NMASME18	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.09.39.610	2013.255.22.40.05.347	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range



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2013.256.05.09.39.612	2013.255.22.40.05.347	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.10.44.846	2013.255.23.17.26.975	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.10.44.847	2013.255.23.17.26.975	NMASME10	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.11.52.225	2013.255.23.50.07.788	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.11.52.227	2013.255.23.50.07.788	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.13.54.863	2013.256.01.00.23.422	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.13.54.864	2013.256.01.00.23.422	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.15.55.445	2013.256.02.09.27.064	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.15.55.446	2013.256.02.09.27.064	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.17.40.210	2013.256.03.09.22.296	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.17.40.211	2013.256.03.09.22.296	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.18.00.077	2013.256.03.20.43.906	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.18.00.080	2013.256.03.20.43.906	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.20.00.538	2013.256.04.29.47.546	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.05.20.00.540	2013.256.04.29.47.546	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.09.54.03.307	2013.256.04.41.41.557	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.09.54.03.310	2013.256.04.41.41.557	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.09.55.44.342	2013.256.05.39.31.991	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.09.55.44.344	2013.256.05.39.31.991	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.09.56.51.496	2013.256.06.17.58.399	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.09.56.51.497	2013.256.06.17.58.399	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.09.57.44.916	2013.256.06.48.35.612	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.09.57.44.918	2013.256.06.48.35.612	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.09.59.55.610	2013.256.07.57.39.257	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.09.59.55.612	2013.256.07.57.39.257	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range





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2013.256.10.00.16.269	2013.256.08.09.28.456	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.10.00.16.272	2013.256.08.09.28.456	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.10.01.59.912	2013.256.09.08.50.100	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.10.01.59.914	2013.256.09.08.50.100	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.14.21.01.590	2013.256.10.17.53.730	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.14.21.01.591	2013.256.10.17.53.730	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.14.23.02.061	2013.256.11.26.57.371	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.14.23.02.061	2013.256.11.26.57.371	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.14.25.06.697	2013.256.12.38.22.615	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.14.25.06.698	2013.256.12.38.22.615	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.14.27.18.654	2013.256.13.48.05.859	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.14.27.18.655	2013.256.13.48.05.859	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.28.17.510	2013.256.14.57.09.470	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.28.17.512	2013.256.14.57.09.470	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.30.18.155	2013.256.16.06.14.315	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.30.18.158	2013.256.16.06.14.315	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.32.29.029	2013.256.17.15.17.970	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.32.29.031	2013.256.17.15.17.970	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.34.29.541	2013.256.18.24.21.593	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.34.29.542	2013.256.18.24.21.593	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.36.29.920	2013.256.19.33.26.445	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.36.29.921	2013.256.19.33.26.445	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.38.30.439	2013.256.20.42.30.077	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.22.38.30.440	2013.256.20.42.30.077	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.23.32.34.997	2013.256.21.53.46.910	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range



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2013.256.23.32.34.998	2013.256.21.53.46.910	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.23.34.35.548	2013.256.23.02.51.749	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.256.23.34.35.549	2013.256.23.02.51.749	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.02.23.26.822	2013.257.00.11.55.385	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.02.23.26.824	2013.257.00.11.55.385	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.02.25.28.530	2013.257.01.21.36.237	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.02.25.28.534	2013.257.01.21.36.237	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.03.58.48.943	2013.257.02.32.57.855	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.03.58.48.945	2013.257.02.32.57.855	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.18.17.380	2013.257.03.42.01.499	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.18.17.384	2013.257.03.42.01.499	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.20.17.082	2013.257.04.51.05.146	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.20.17.087	2013.257.04.51.05.146	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.21.43.853	2013.257.05.40.47.175	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.21.43.854	2013.257.05.40.47.175	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.22.17.717	2013.257.06.00.09.991	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.22.17.720	2013.257.06.00.09.991	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.24.28.417	2013.257.07.09.13.615	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.24.28.419	2013.257.07.09.13.615	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.25.07.051	2013.257.07.31.22.040	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.25.07.052	2013.257.07.31.22.040	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.26.28.993	2013.257.08.18.17.255	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.09.26.28.996	2013.257.08.18.17.255	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.13.41.26.238	2013.257.09.12.41.287	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.13.41.26.239	2013.257.09.12.41.287	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range



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2013.257.13.41.53.123	2013.257.09.28.02.900	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.13.41.53.126	2013.257.09.28.02.900	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.13.43.53.630	2013.257.10.37.06.538	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.13.43.53.632	2013.257.10.37.06.538	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.13.45.57.635	2013.257.11.48.07.772	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.13.45.57.636	2013.257.11.48.07.772	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.13.48.08.379	2013.257.12.57.11.414	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.13.48.08.380	2013.257.12.57.11.414	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.21.06.649	2013.257.14.06.16.242	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.21.06.650	2013.257.14.06.16.242	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.23.11.450	2013.257.15.17.46.286	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.23.11.454	2013.257.15.17.46.286	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.25.23.995	2013.257.16.27.42.730	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.25.23.997	2013.257.16.27.42.730	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.27.24.511	2013.257.17.36.46.359	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.27.24.512	2013.257.17.36.46.359	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.29.26.648	2013.257.18.46.42.811	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.29.26.650	2013.257.18.46.42.811	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.31.31.567	2013.257.19.58.11.633	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.257.21.31.31.569	2013.257.19.58.11.633	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.06.00.369	2013.257.21.07.15.277	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.06.00.373	2013.257.21.07.15.277	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.07.21.356	2013.257.21.53.41.710	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.07.21.358	2013.257.21.53.41.710	NMASME11	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.08.00.927	2013.257.22.16.20.119	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range



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2013.258.07.08.00.929	2013.257.22.16.20.119	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.10.01.432	2013.257.23.25.23.767	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.10.01.435	2013.257.23.25.23.767	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.12.15.862	2013.258.00.36.22.590	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.12.15.864	2013.258.00.36.22.590	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.14.16.263	2013.258.01.45.26.236	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.14.16.265	2013.258.01.45.26.236	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.16.16.901	2013.258.02.54.31.082	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.16.16.903	2013.258.02.54.31.082	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.18.17.785	2013.258.04.03.34.709	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.18.17.788	2013.258.04.03.34.709	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.20.22.546	2013.258.05.15.03.557	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.07.20.22.548	2013.258.05.15.03.557	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.10.17.04.467	2013.258.06.24.07.191	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.10.17.04.485	2013.258.06.24.07.191	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.10.19.05.013	2013.258.07.33.10.835	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.10.19.05.015	2013.258.07.33.10.835	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.10.20.52.069	2013.258.08.34.32.449	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.10.20.52.071	2013.258.08.34.32.449	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.10.21.09.277	2013.258.08.44.21.653	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.10.21.09.278	2013.258.08.44.21.653	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.41.01.377	2013.258.09.53.25.305	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.41.01.379	2013.258.09.53.25.305	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.41.40.852	2013.258.10.15.57.714	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.41.40.853	2013.258.10.15.57.714	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range



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2013.258.14.43.01.966	2013.258.11.02.28.941	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.43.01.967	2013.258.11.02.28.941	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.44.36.720	2013.258.11.56.43.380	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.44.36.722	2013.258.11.56.43.380	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.45.03.660	2013.258.12.12.10.993	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.45.03.663	2013.258.12.12.10.993	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.47.14.321	2013.258.13.21.14.613	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.14.47.14.324	2013.258.13.21.14.613	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.19.11.45.858	2013.258.14.32.45.857	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.19.11.45.859	2013.258.14.32.45.857	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.19.13.46.440	2013.258.15.41.49.495	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.19.13.46.441	2013.258.15.41.49.495	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.19.15.46.941	2013.258.16.50.53.132	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.19.15.46.943	2013.258.16.50.53.132	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.19.18.01.251	2013.258.18.02.00.374	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.19.18.01.253	2013.258.18.02.00.374	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.19.18.03.156	2013.258.18.03.06.374	NMASME08	3 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.19.18.03.159	2013.258.18.03.06.374	NMASME16	3 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.20.40.18.843	2013.258.19.12.01.618	NMASME08	1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2013.258.20.40.18.844	2013.258.19.12.01.618	NMASME15	1 LOW :0 HIGH :0 SOFT limit is out of nominal range