

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9935 - L2 Version 2
Chandra X-Ray Center

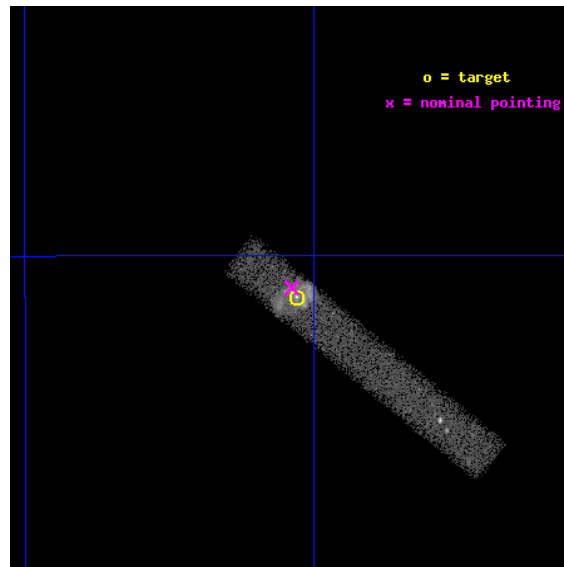
L2 Processing Date : May 30 2012

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1 Front

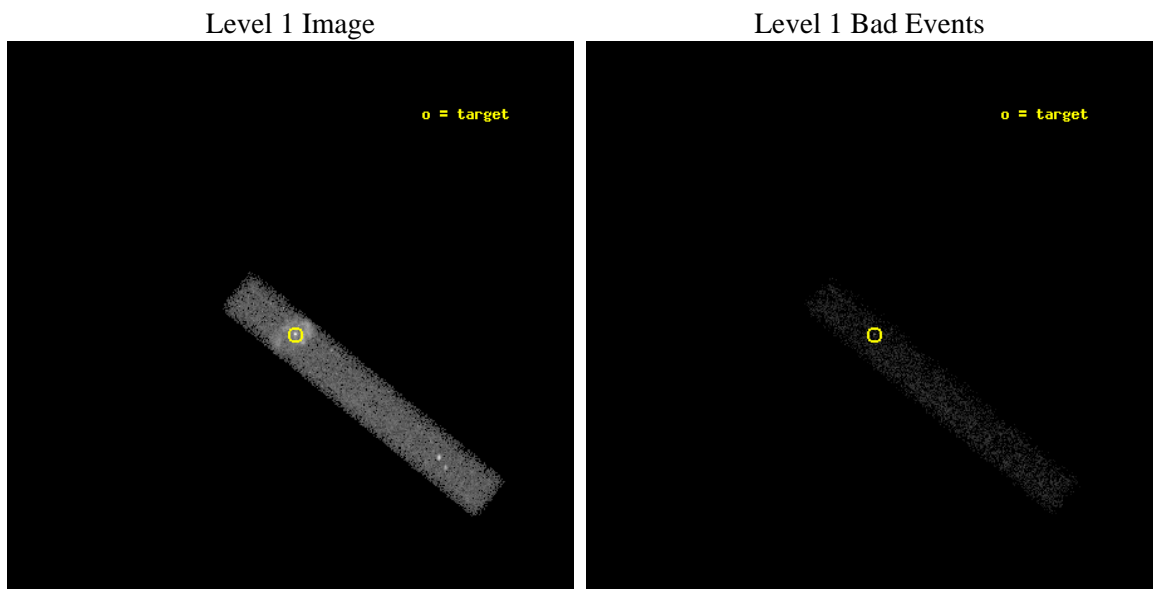
seq_num	200551	Sequence number
obs_id	9935	Observation id
title	X-ray Monitoring of Eta Car in 2009: Unveiling the Deep X-ray Minimum	Proposal title
observer	Dr. Kenji Hamaguchi	Principal investigator
object	Eta Carinae	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	161.265	Observer's specified target RA [deg]
dec_targ	-59.6845	Observer's specified target Dec [deg]
ra_nom	161.2692024499	Nominal RA [deg]
dec_nom	-59.680595599159	Nominal Dec [deg]
roll_nom	39.160250698067	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15181.19909513	Sum of GTIs [s]
livetime	13768.546249891	Livetime [s]
ontime7	15181.19909513	Sum of GTIs [s]
l2events	27723	Number of level 2 events



2 OBI

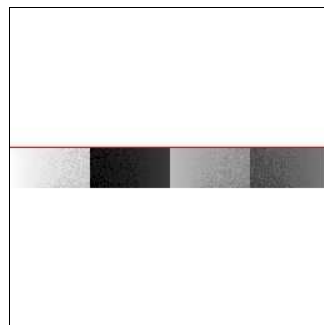
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15181.19909513	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	15181.19909513	Sum of GTIs [s]
date	2012-05-30T05:48:16	Date and time of file creation	l1events	46023	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

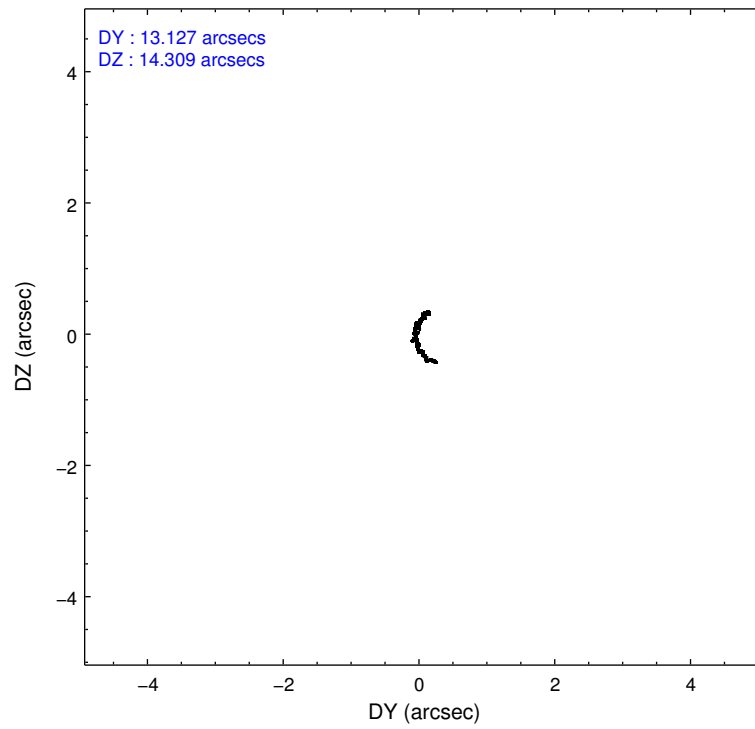
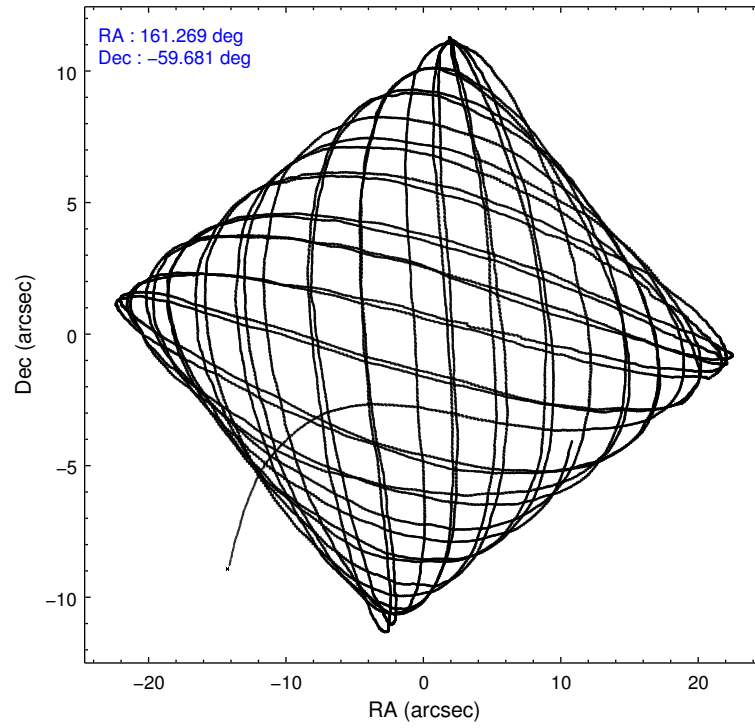
	ccd 7
level 1 events	46023
rejected events	17615
rejected %	38%

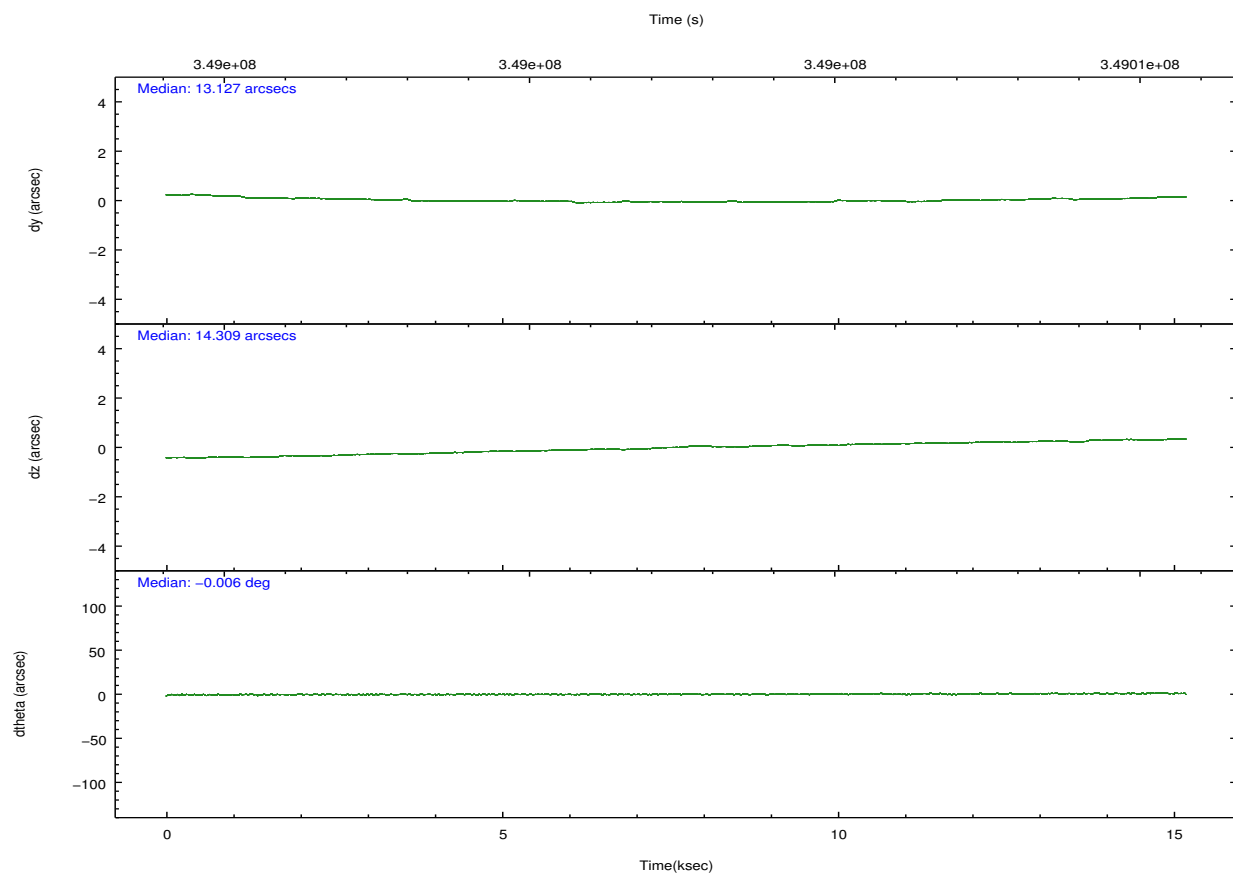
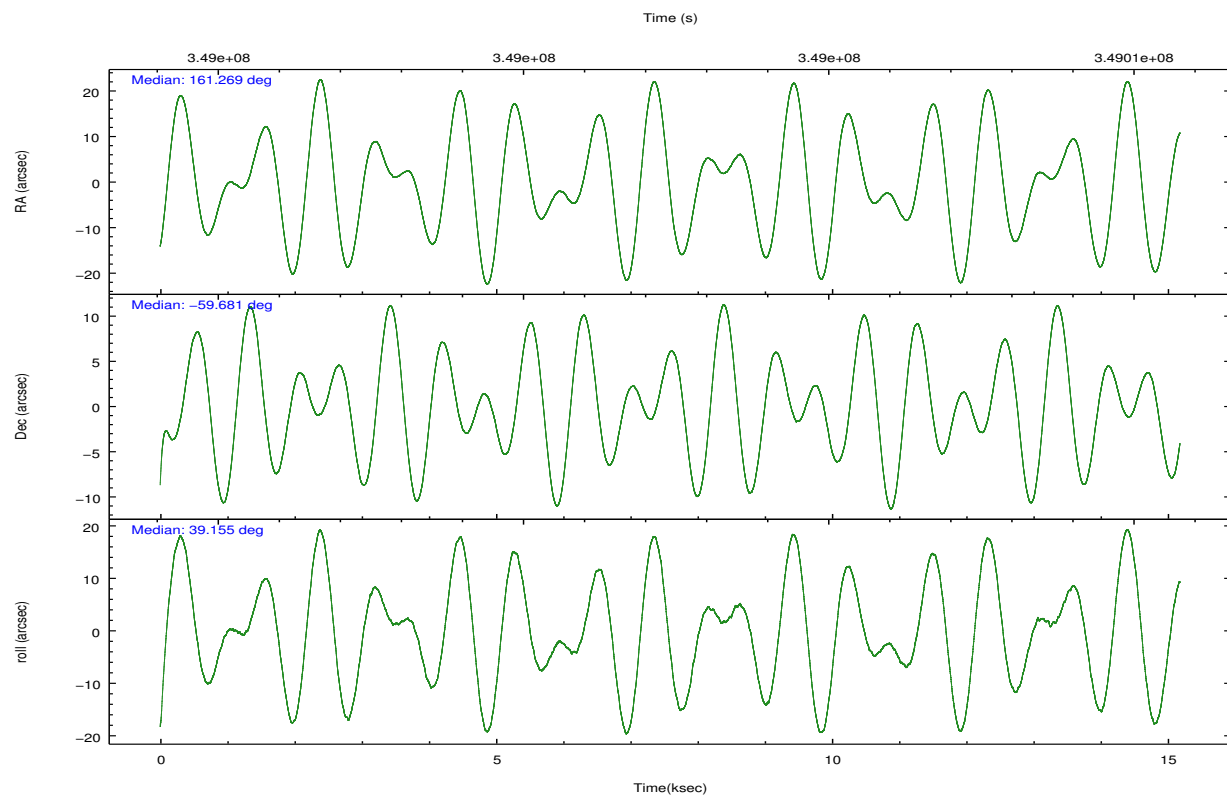
	ccd 7
grade 0 events	6311
	13%
grade 1 events	43
	0%
grade 2 events	6694
	14%
grade 3 events	3559
	7%
grade 4 events	3497
	7%
grade 5 events	2894
	6%
grade 6 events	9361
	20%
grade 7 events	13664
	29%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	161.250596	161.2692024498963	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-59.706244	-59.68059559915943	Subarray start row	449	449
[deg] Pointing Roll	38.987563	39.16025069806694	Subarray row count	128	128
[s] Window start time (MET)	348019266.184000	348019266.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	350092866.184000	350092866.184000	[s] Primary exposure time	0.000000	0.4
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-189.840023	-189.8383482136847			
[mm] SIM translation stage offset	-0.2925	-0.294174369323116			
[s] Observation start time (MET)	348994987.184000	348993719.98862			
Observation start date	2009-01-22T07:02:01	2009-01-22T06:41:59			
[s] Observation end time (MET)	349009987.184000	349011342.81449			
Observation end date	2009-01-22T11:12:01	2009-01-22T11:35:42			
Read mode	TIMED	TIMED			

2.3 Aspect



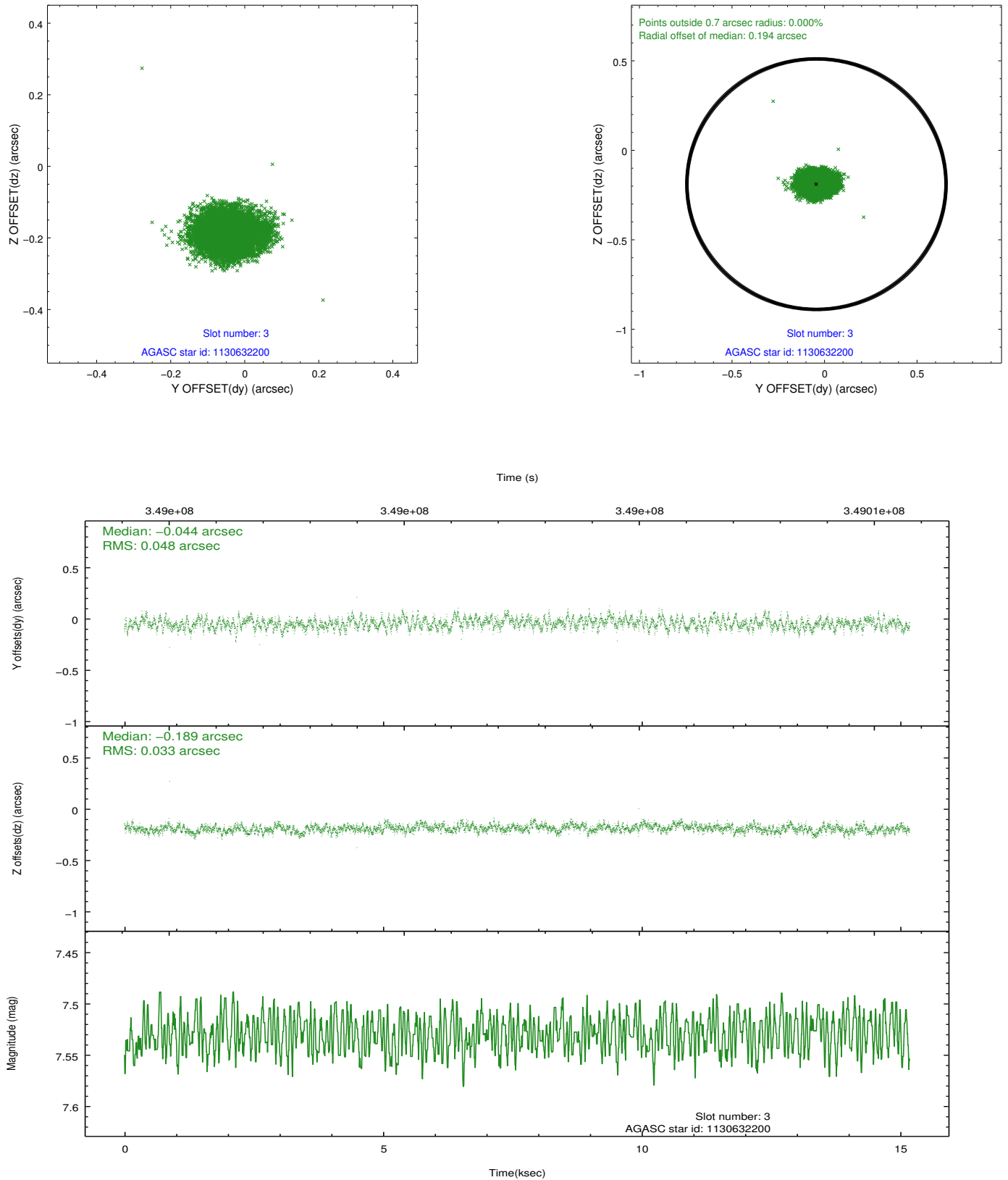


Slot Statistics

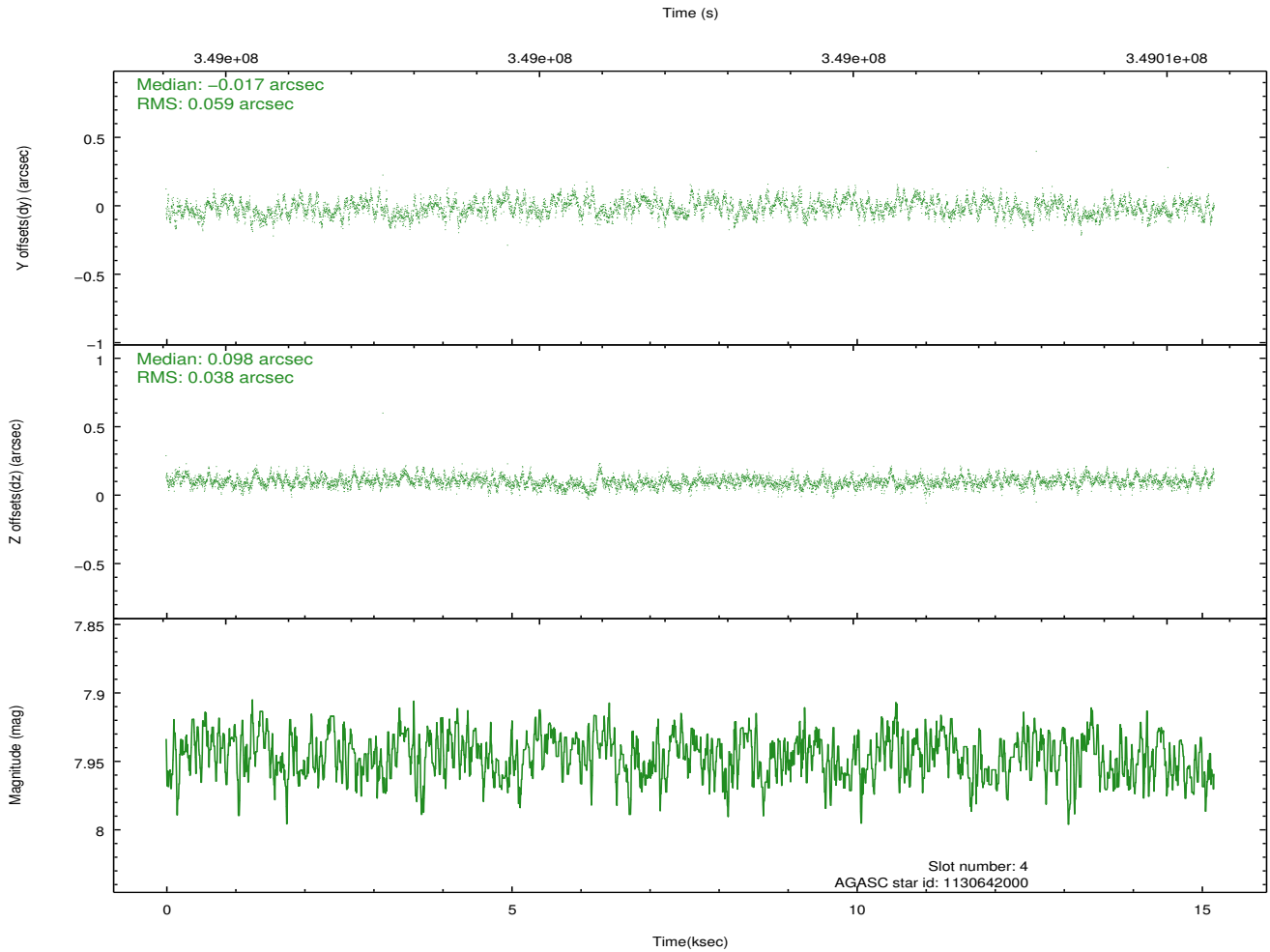
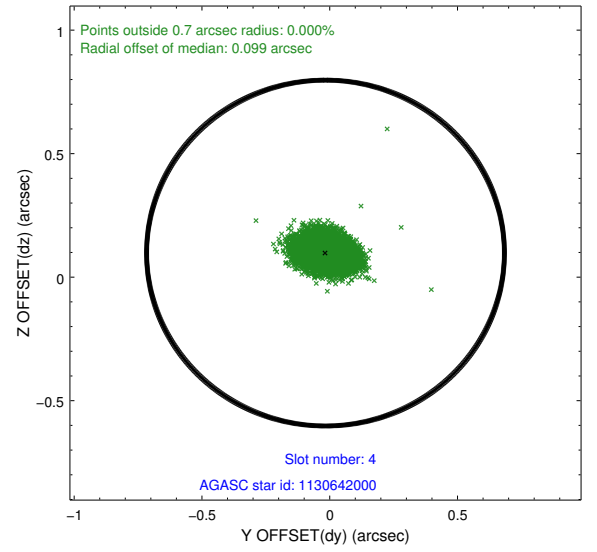
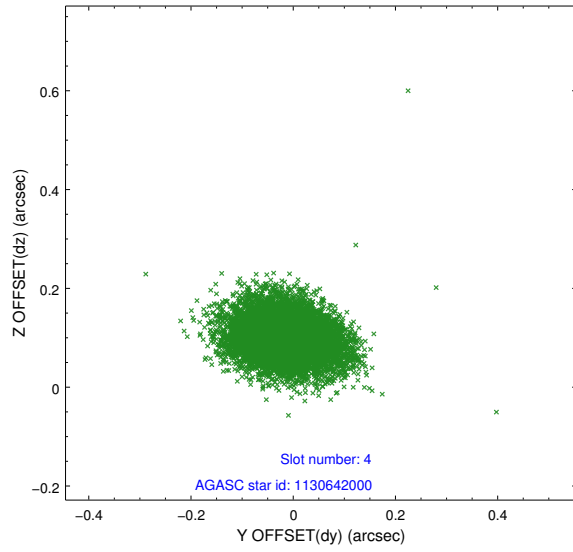
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.05	3702	0.063	-0.082	0.018	0.036	0.000000	0.000000	930.05	-1737.55
1	FID	ACIS-S-4	7.06	3703	0.136	0.030	0.013	0.022	0.000000	0.000000	2147.68	166.41
2	FID	ACIS-S-5	7.08	3703	-0.225	0.064	0.013	0.020	0.000000	0.000000	-1818.74	160.34
3	GUIDE	1130632200	7.53	7399	-0.044	-0.189	0.061	0.100	161.433843	-59.407820	936.80	623.73
4	GUIDE	1130642000	7.95	7405	-0.017	0.098	0.074	0.119	162.836255	-59.743891	2129.24	-1940.80
5	GUIDE	1174012960	7.15	7406	0.012	0.194	0.045	0.073	160.855674	-60.332270	-1965.50	-1310.60
6	GUIDE	1130643264	6.66	7407	-0.072	-0.137	0.067	0.115	160.322990	-59.676912	-1251.56	1133.54
7	GUIDE	1174021440	8.40	7401	0.114	0.031	0.067	0.107	160.869011	-60.314711	-1907.88	-1275.39

2.4 Star Slots

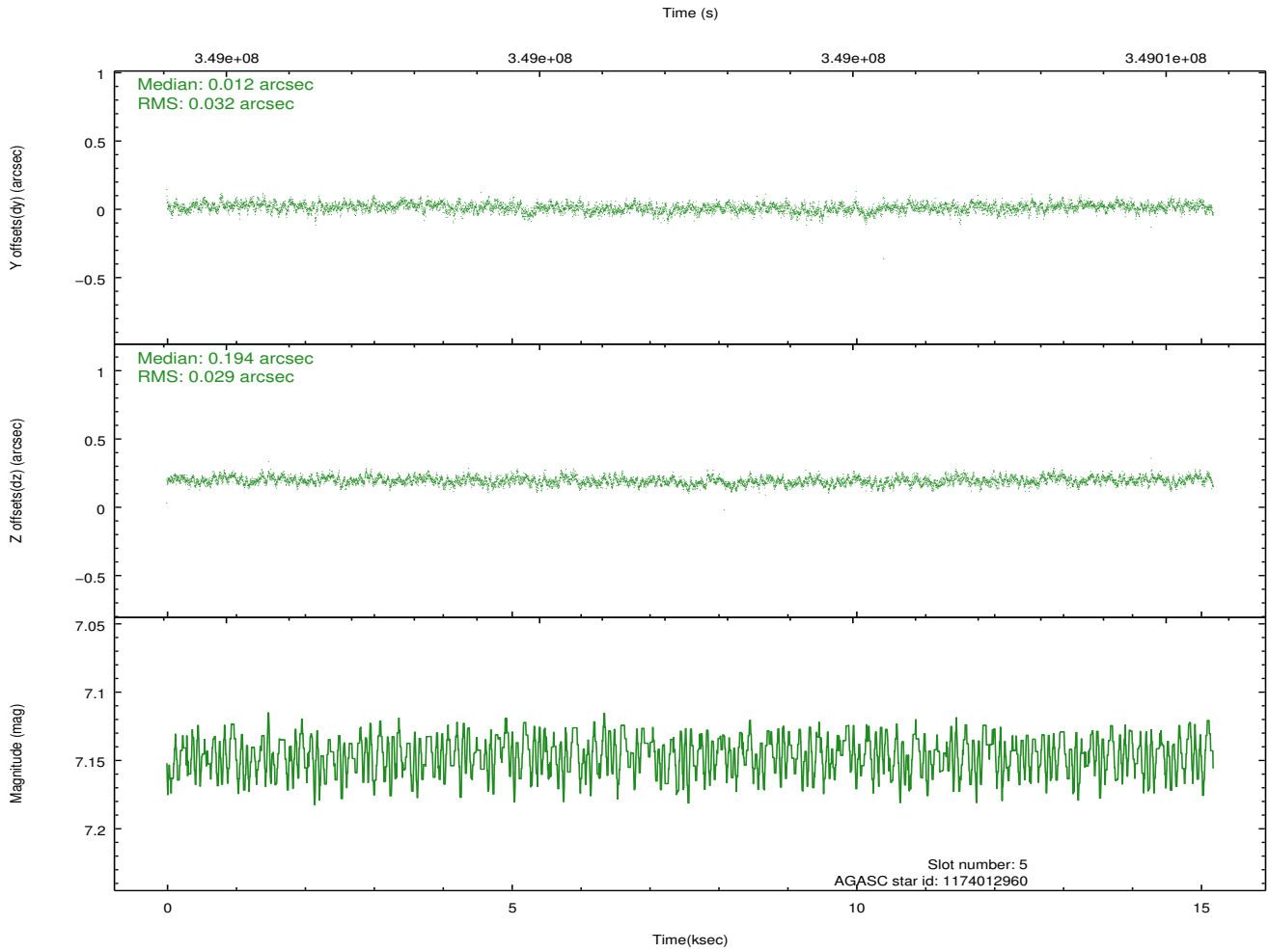
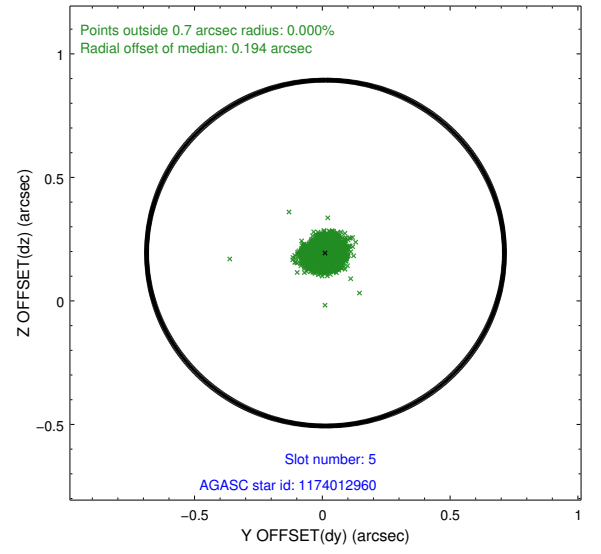
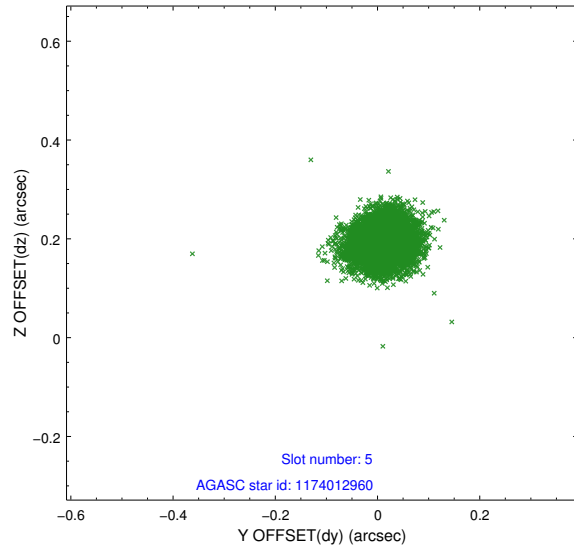
2.4.1 Slot 3



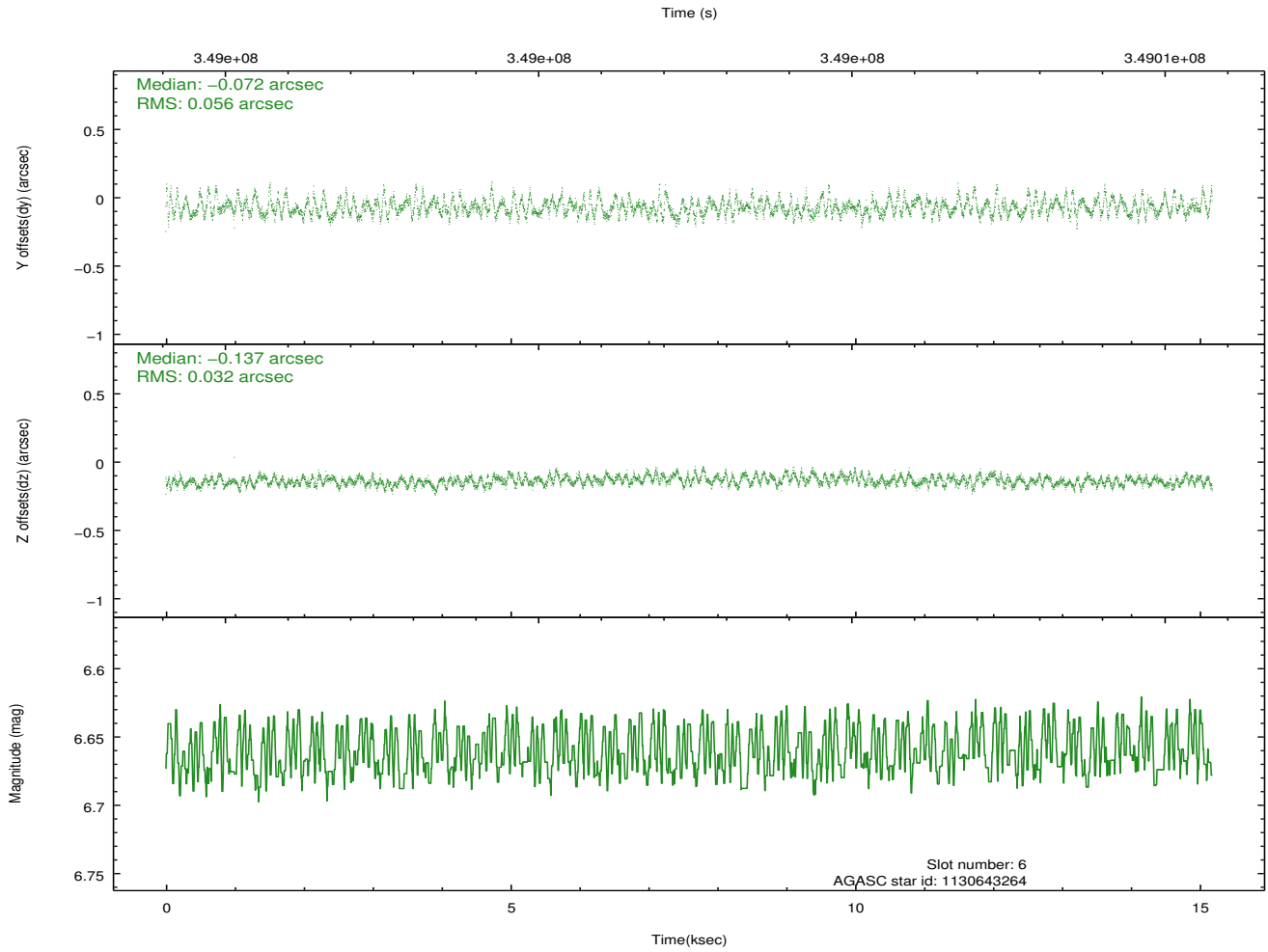
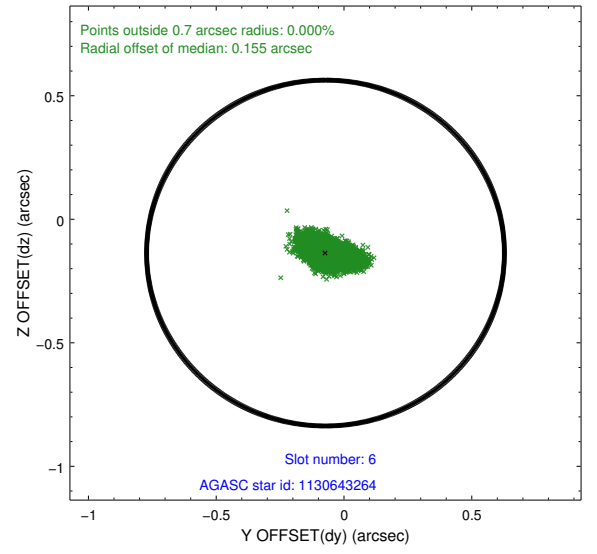
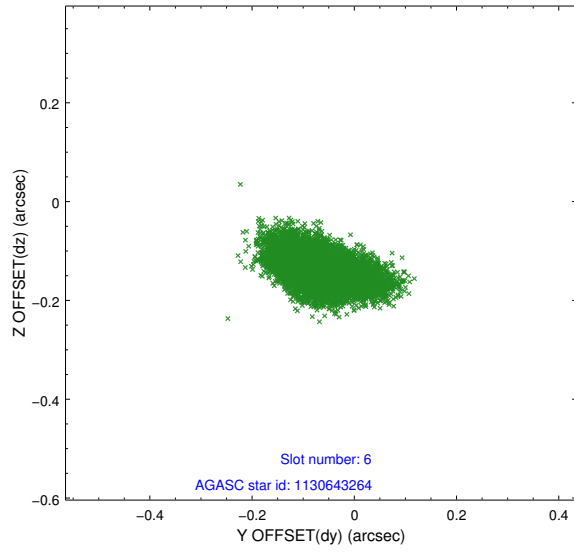
2.4.2 Slot 4



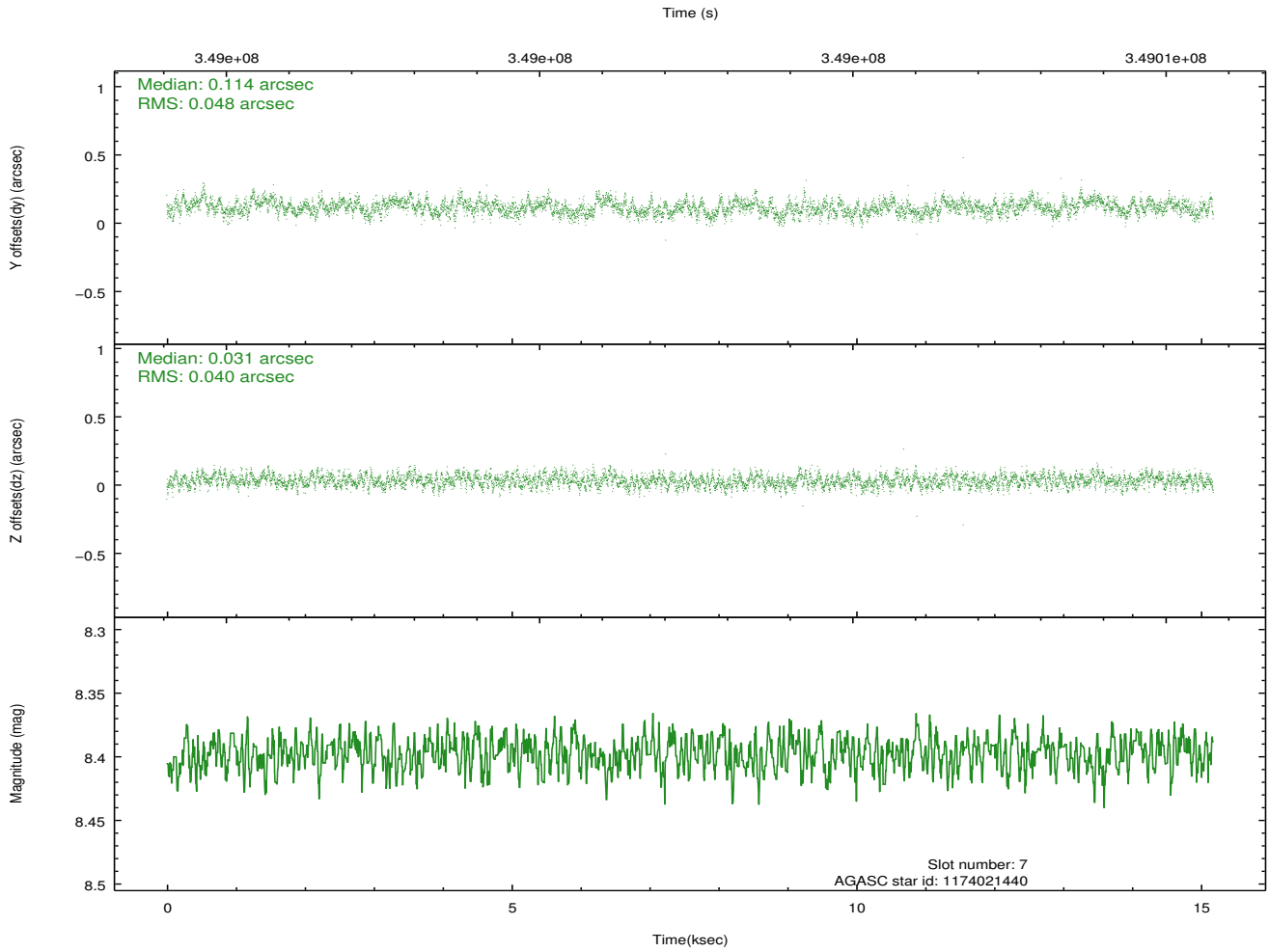
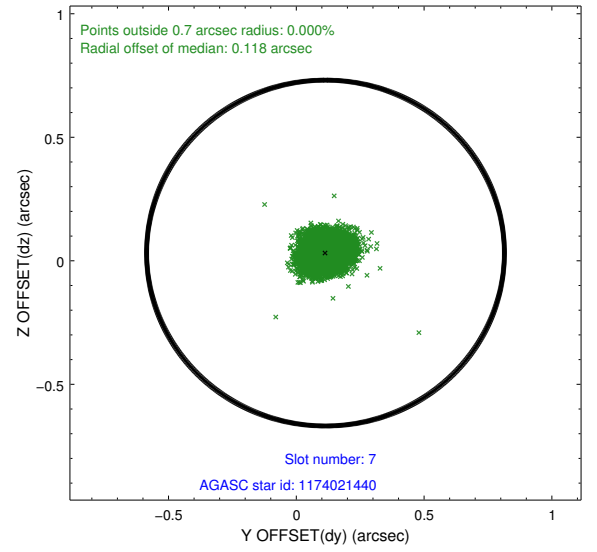
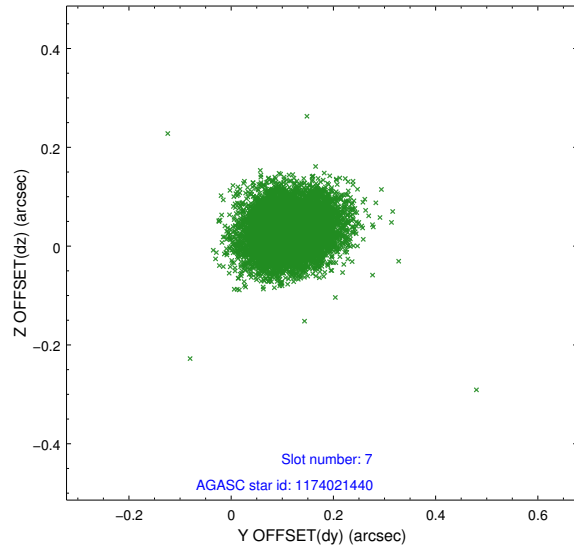
2.4.3 Slot 5



2.4.4 Slot 6

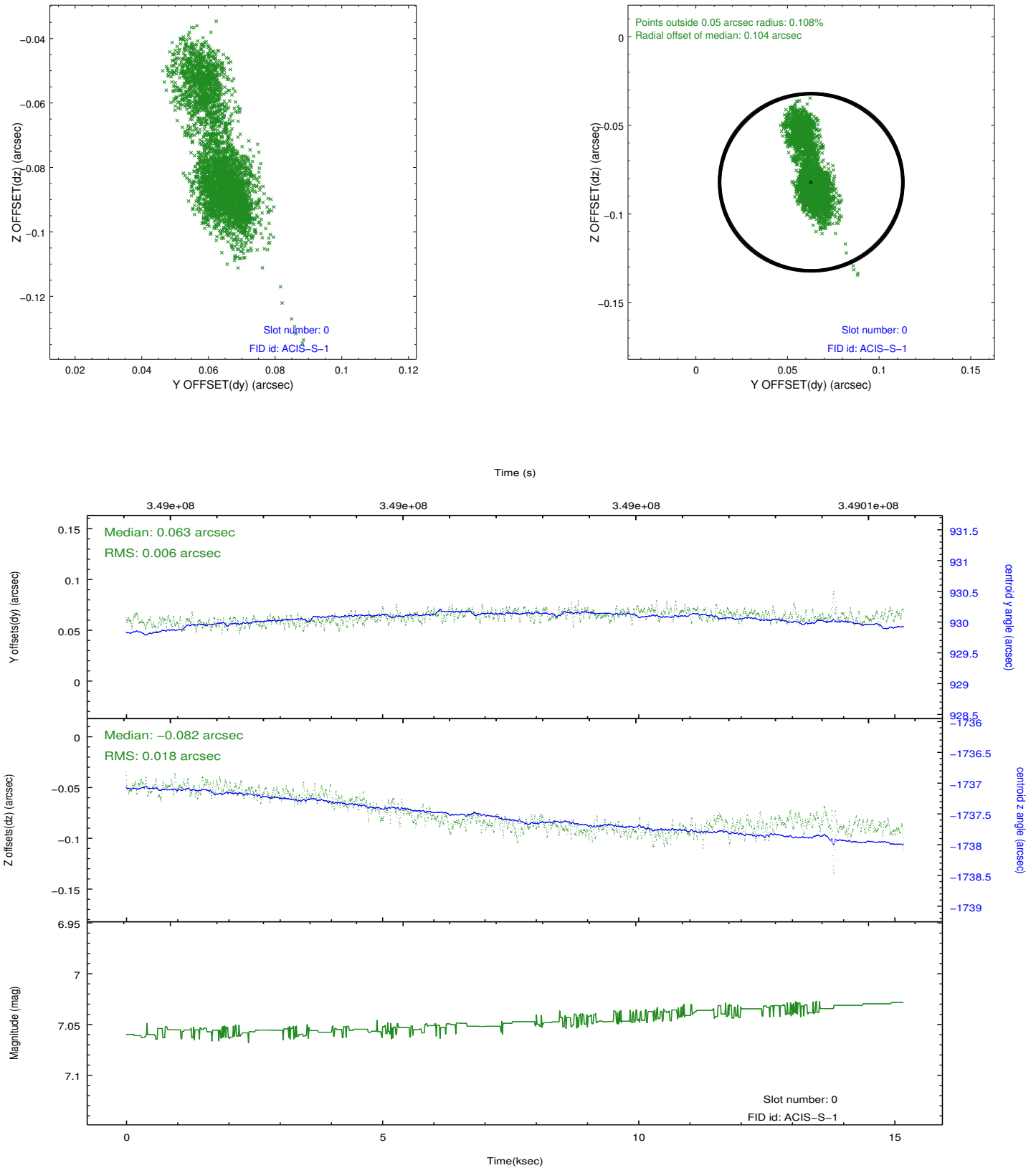


2.4.5 Slot 7

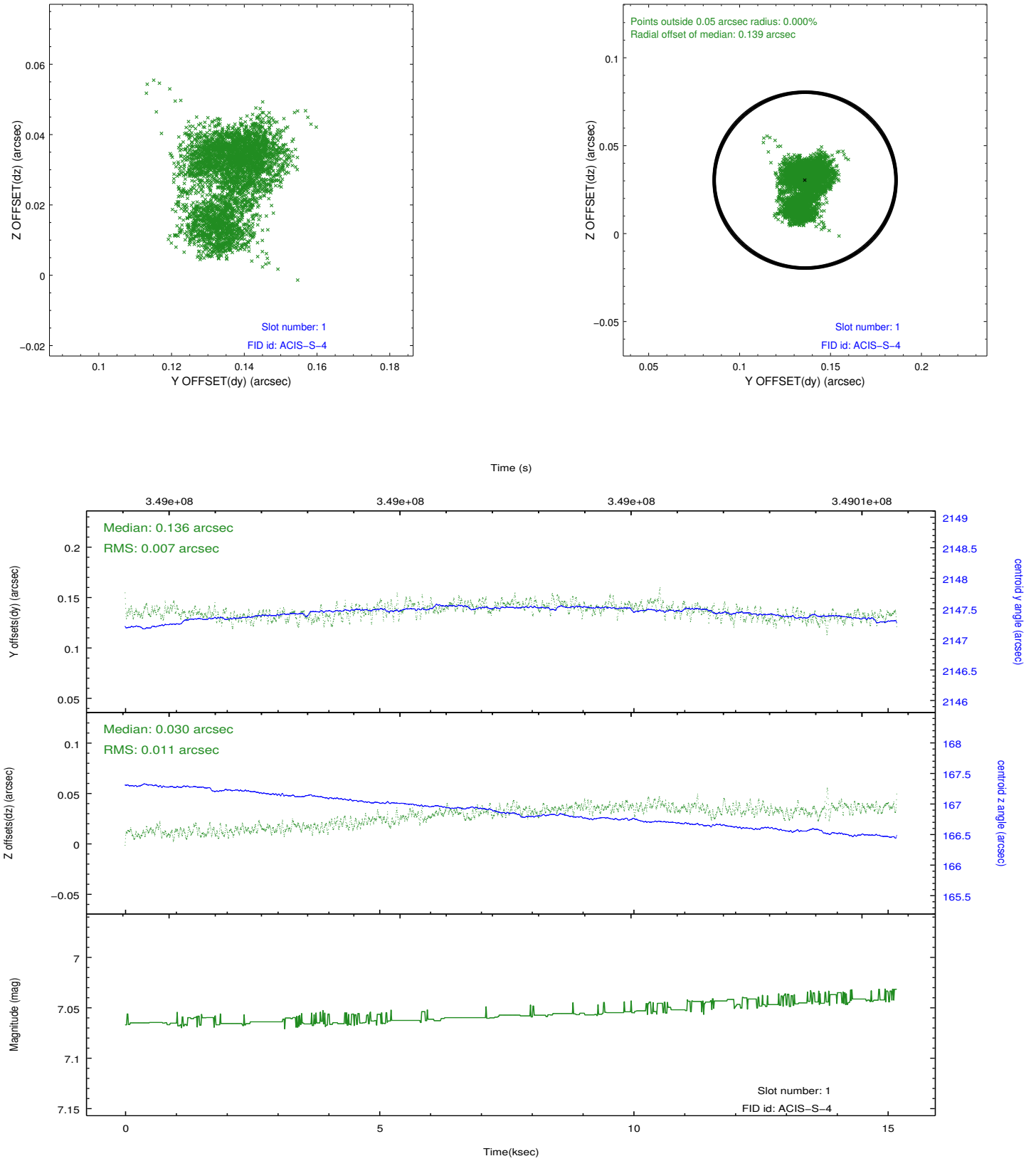


2.5 FID Slots

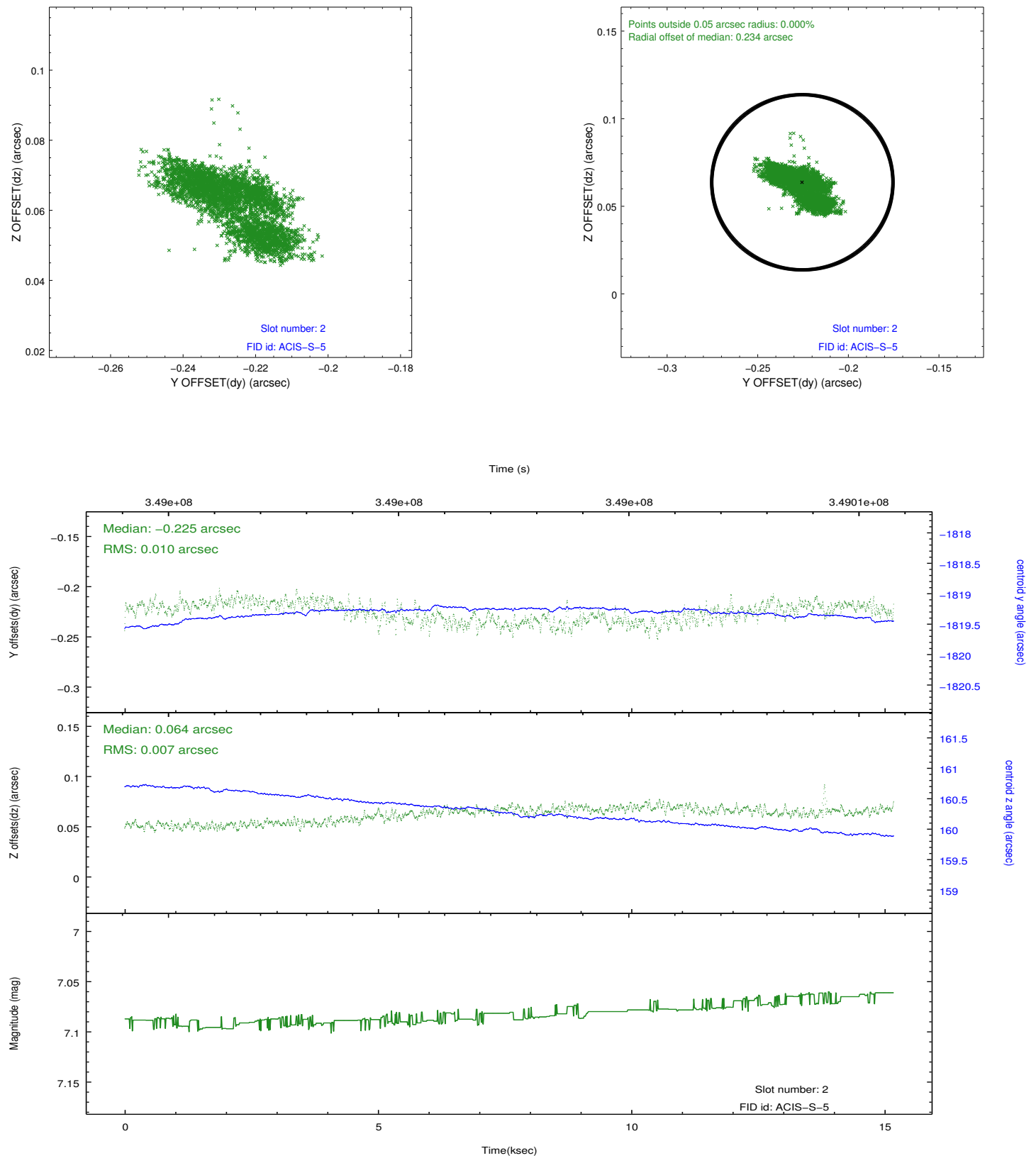
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.181199

A.2 Comments

Joint Proposal: XMM. Window constraint met.