

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4843 - L2 Version 3
Chandra X-Ray Center

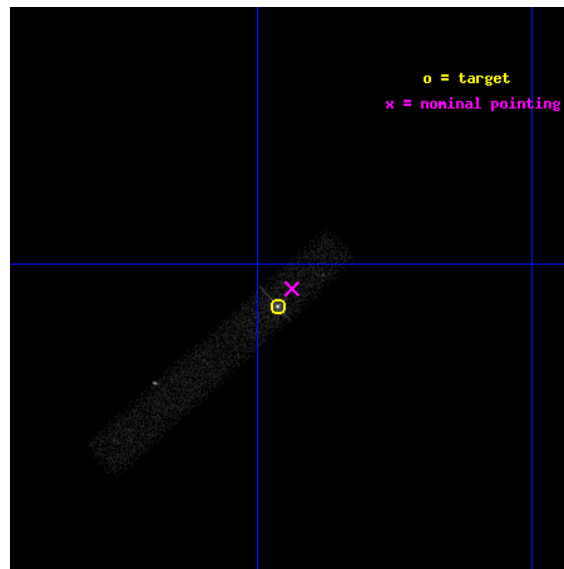
L2 Processing Date : Dec 6 2012

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1 Front

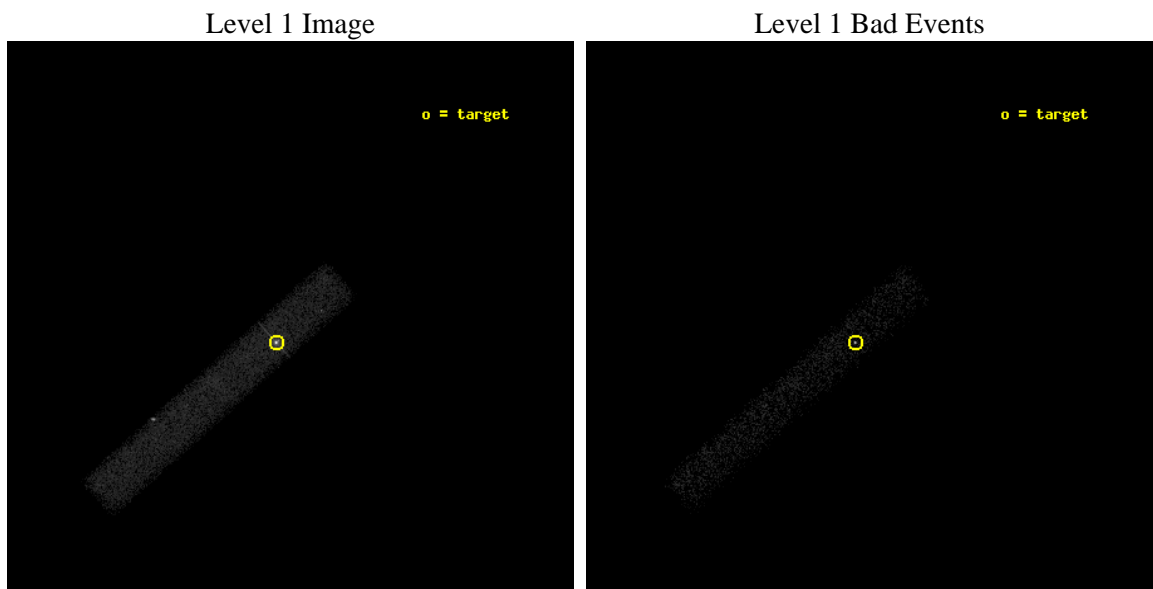
seq_num	700925	Sequence number
obs_id	4843	Observation id
title	The Physics of Relativistic Jets: Chandra Imaging of Extended Jets in Gamma-loud Blazars	Proposal title
observer	Dr. FABRIZIO TAVECCHIO	Principal investigator
object	3C454.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	343.490417	Observer's specified target RA [deg]
dec_targ	16.148194	Observer's specified target Dec [deg]
ra_nom	343.48419023187	Nominal RA [deg]
dec_nom	16.155792413798	Nominal Dec [deg]
roll_nom	138.23993306475	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20134.00029999	Sum of GTIs [s]
livetime	18260.475512416	Livetime [s]
ontime7	20134.00029999	Sum of GTIs [s]
l2events	34212	Number of level 2 events



2 OBI

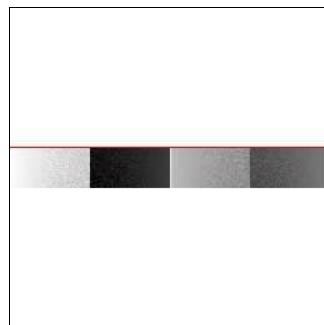
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	20134.00029999	Sum of GTIs [s]
caldsver	4.5.4	 	ontime7	20134.00029999	Sum of GTIs [s]
date	2012-12-06T23:49:53	Date and time of file creation	l1events	51976	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

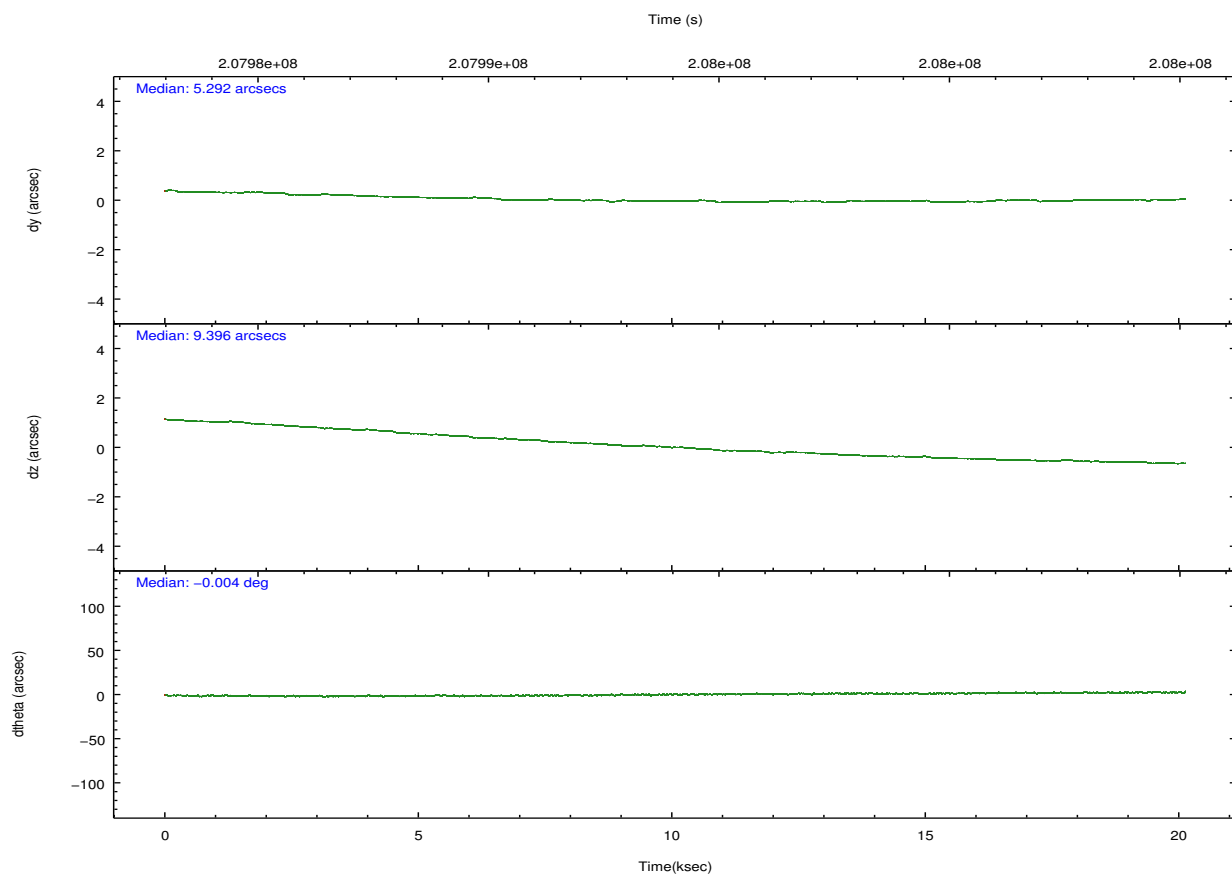
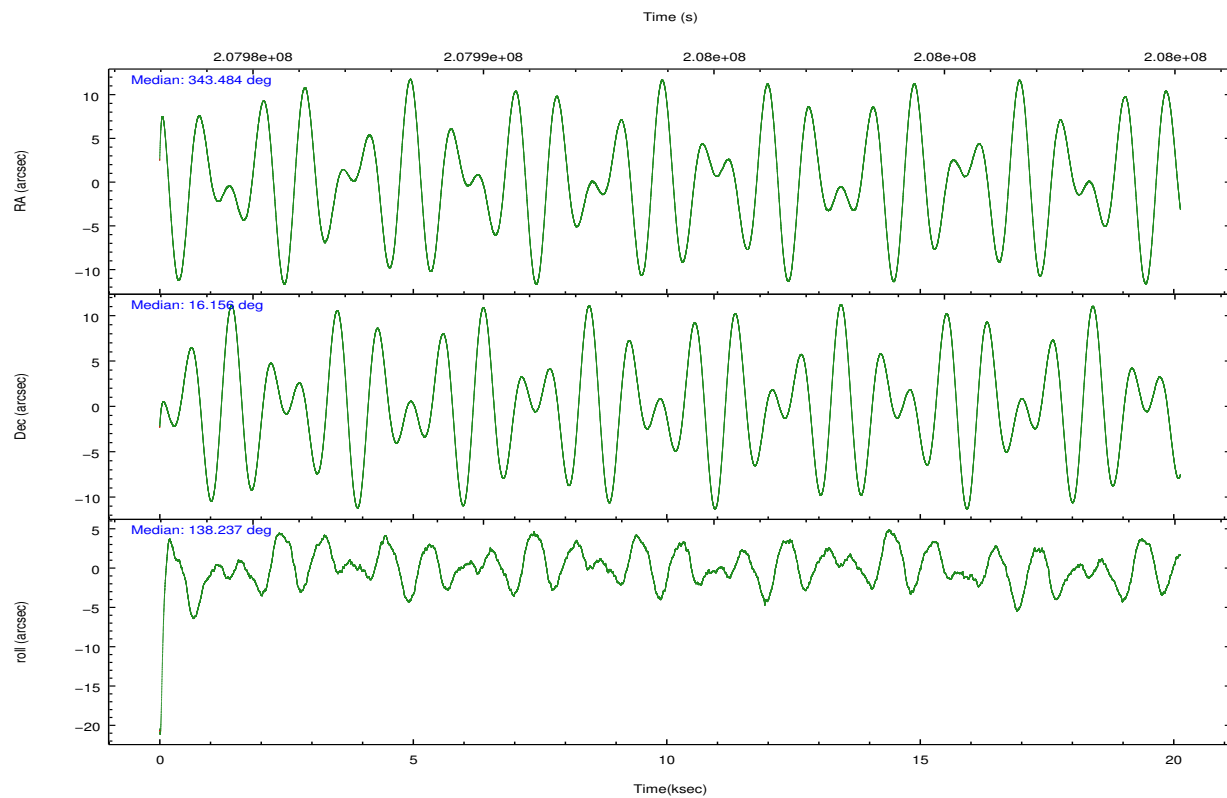
	ccd 7
level 1 events	51976
rejected events	17291
rejected %	33%

	ccd 7
grade 0 events	7487
	14%
grade 1 events	280
	0%
grade 2 events	8165
	15%
grade 3 events	4274
	8%
grade 4 events	4091
	7%
grade 5 events	3677
	7%
grade 6 events	11394
	21%
grade 7 events	12608
	24%

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	343.512031	343.4841902318714	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	16.150607	16.15579241379845	Subarray start row	449	449
[deg] Pointing Roll	138.075568	138.2399330647457	Subarray row count	128	128
[deg] Roll angle	140.000000	140.000000	Alternating exposures requested	N	N
[deg] Roll tolerance	50.000000	50.000000	[s] Primary exposure time	0.000000	0.4
Roll constraint allows 180D rotation	Y	Y			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	207984117.184000	207982910.69519			
Observation start date	2004-08-04T05:20:53	2004-08-04T05:01:50			
[s] Observation end time (MET)	208004117.184000	208004983.04617			
Observation end date	2004-08-04T10:54:13	2004-08-04T11:09:43			
Read mode	TIMED	TIMED			

2.3 Aspect

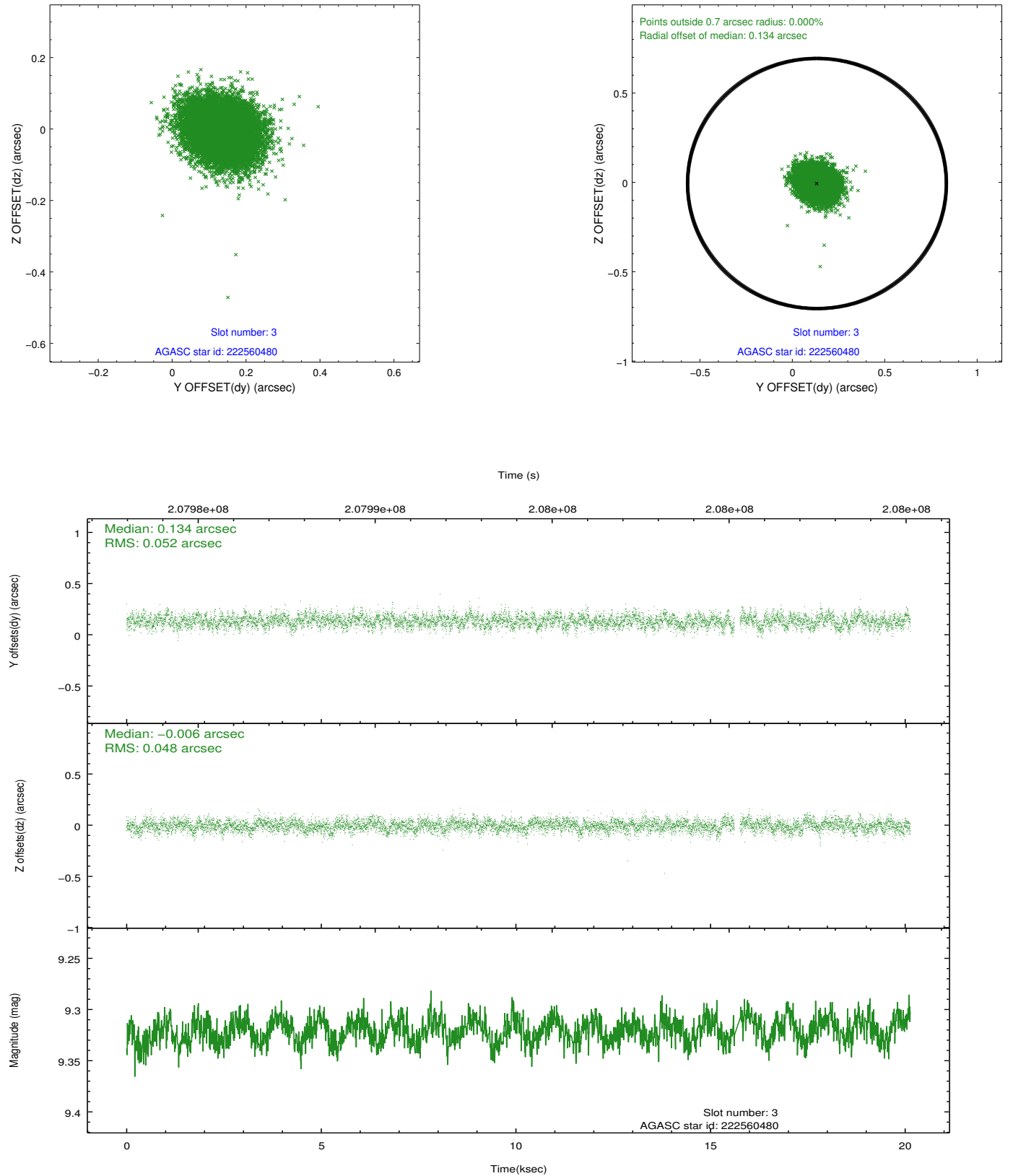


Slot Statistics

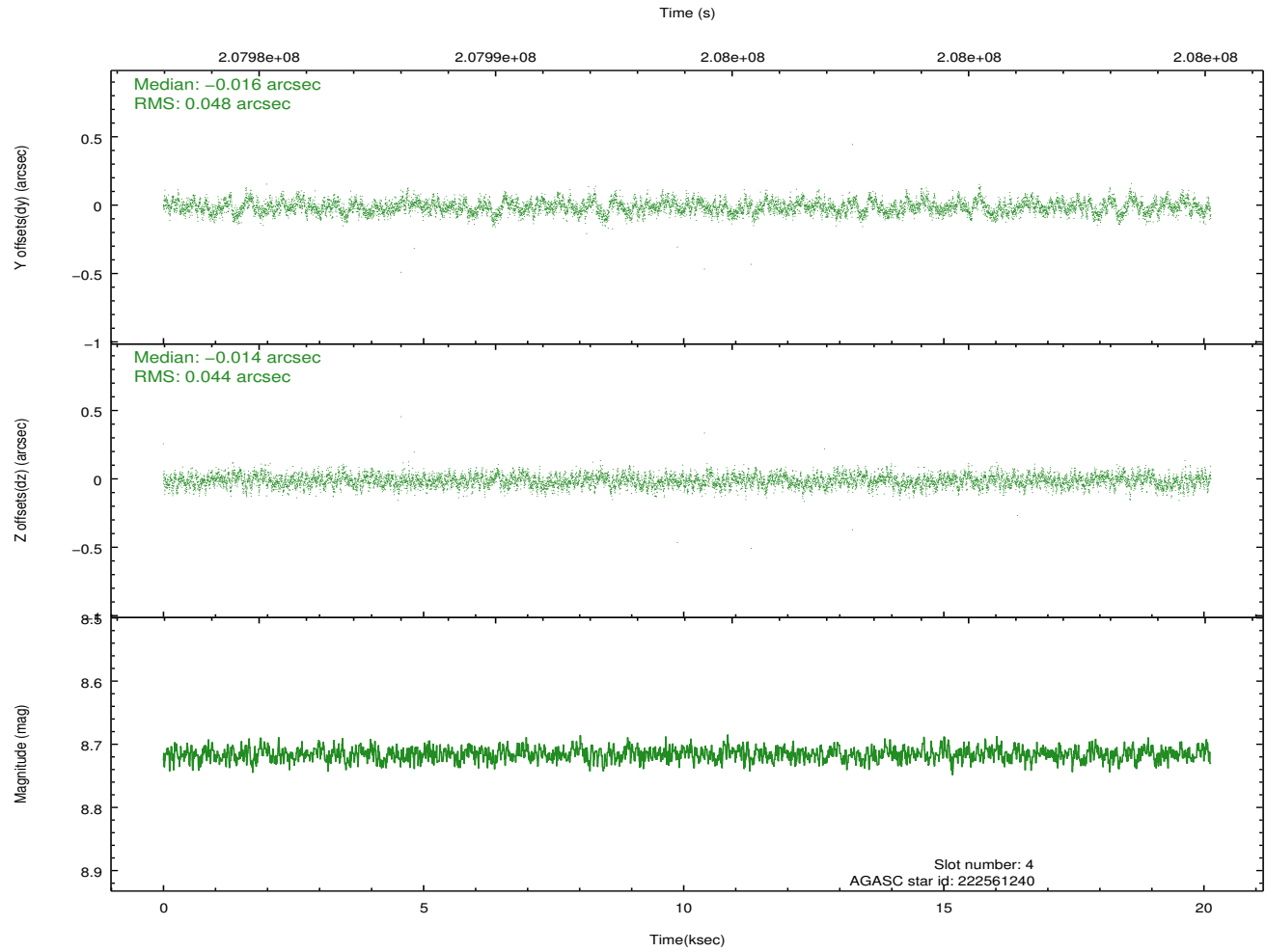
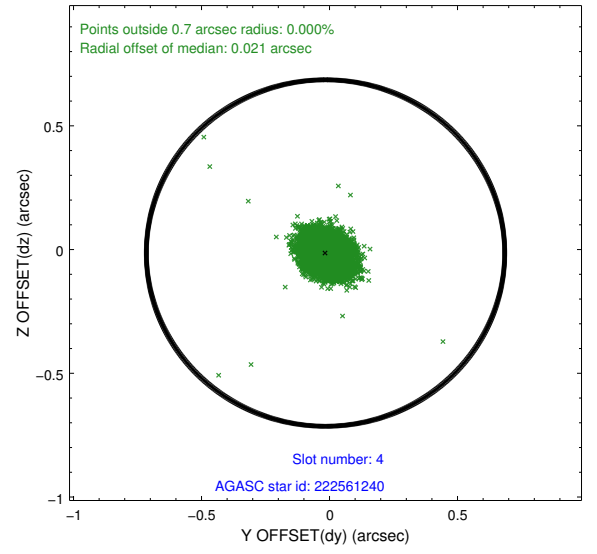
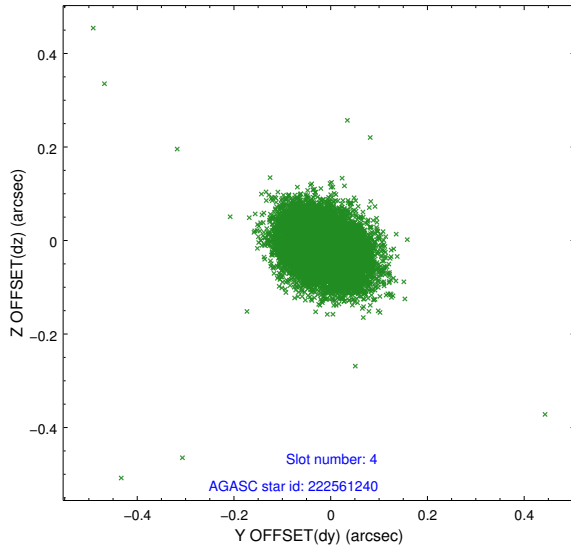
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	4912	0.019	-0.010	0.018	0.038	0.000000	0.000000	937.98	-1726.38
1	FID	ACIS-S-5	7.24	4911	-0.097	0.004	0.015	0.024	0.000000	0.000000	-1811.00	171.06
2	FID	ACIS-S-6	7.35	4912	0.054	0.014	0.021	0.051	0.000000	0.000000	403.41	815.20
3	GUIDE	222560480	9.32	9745	0.134	-0.006	0.075	0.122	343.777779	15.665461	-1851.59	683.60
4	GUIDE	222561240	8.72	9823	-0.016	-0.014	0.067	0.109	343.355884	15.743652	-576.37	1451.31
5	GUIDE	222562432	8.96	9757	0.106	0.073	0.110	0.199	343.698150	16.309399	-96.21	-855.01
6	GUIDE	222563736	8.81	9819	-0.123	-0.146	0.080	0.128	343.076284	16.308502	1500.88	581.29
7	GUIDE	222565592	8.26	9820	-0.110	0.102	0.064	0.101	343.291662	16.508291	1426.96	-449.48

2.4 Star Slots

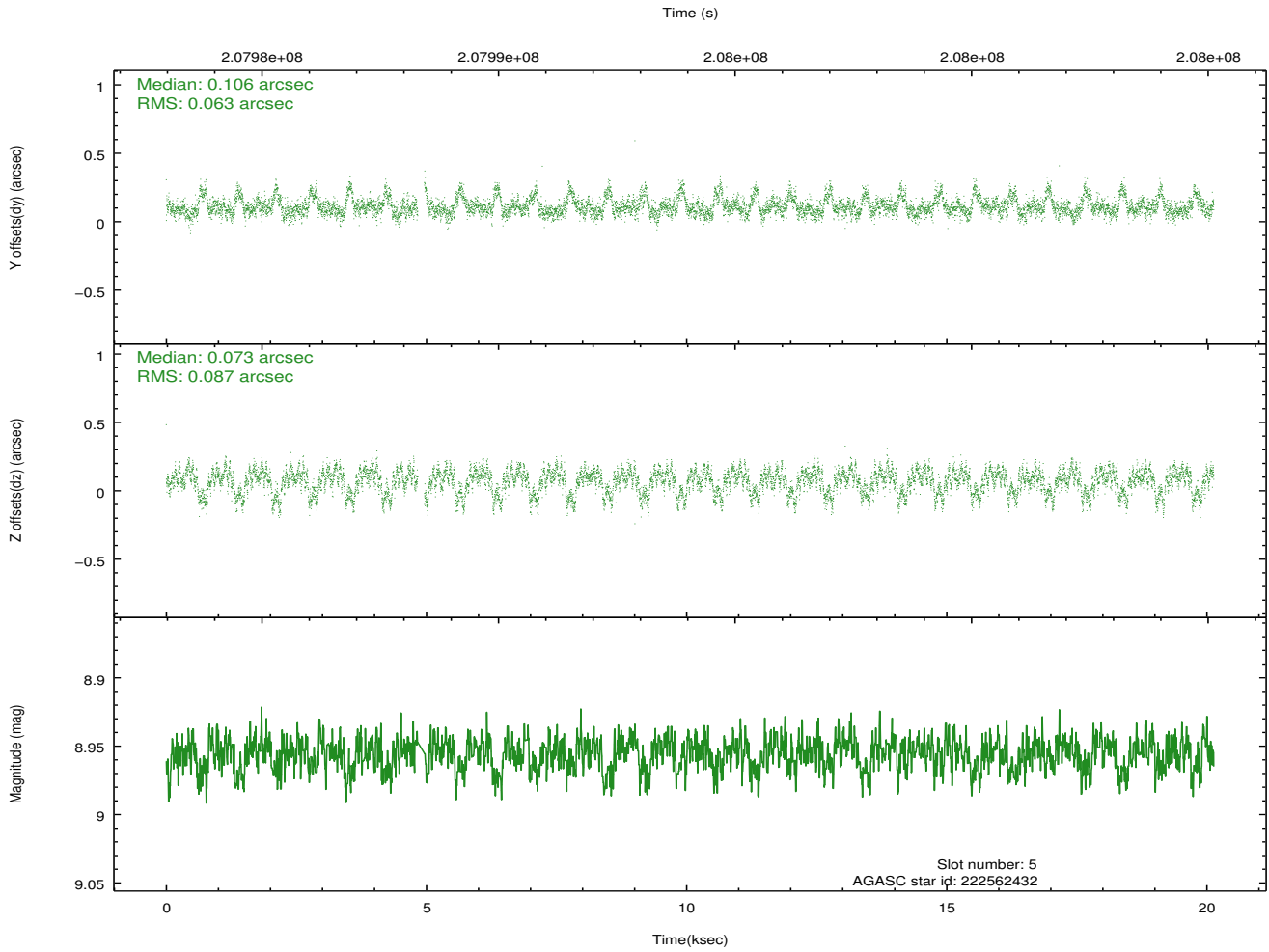
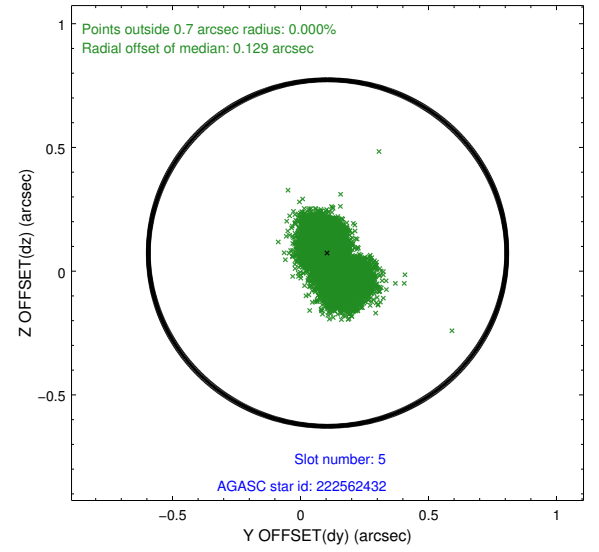
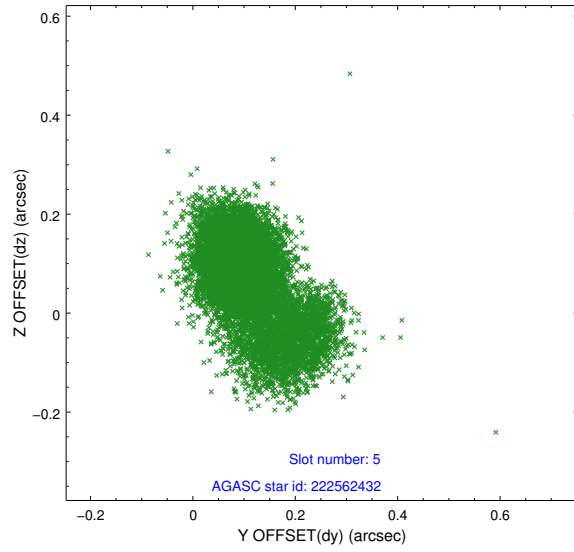
2.4.1 Slot 3



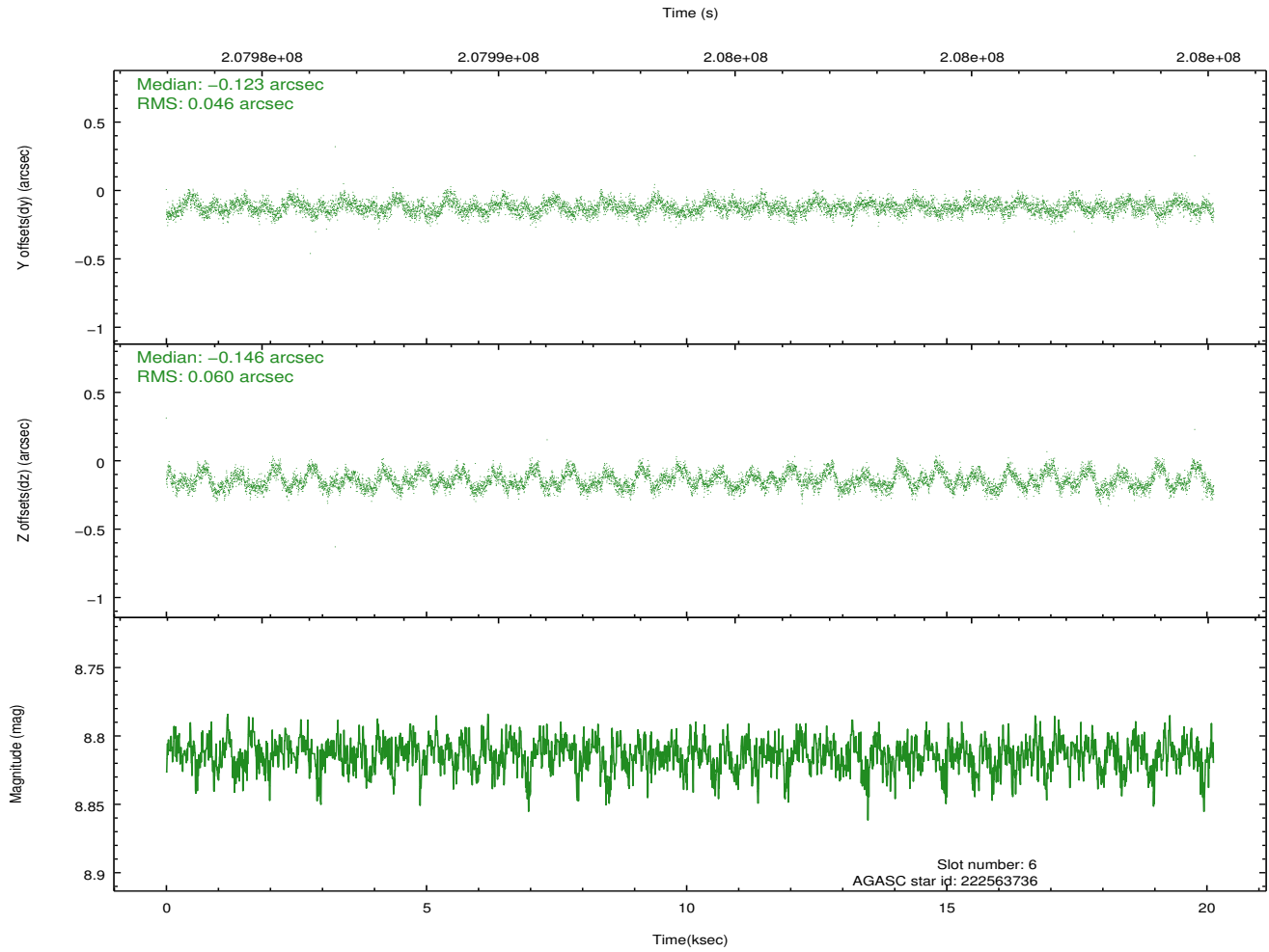
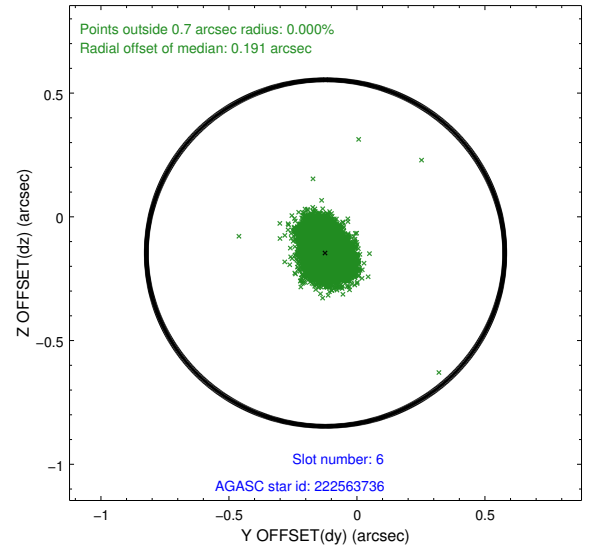
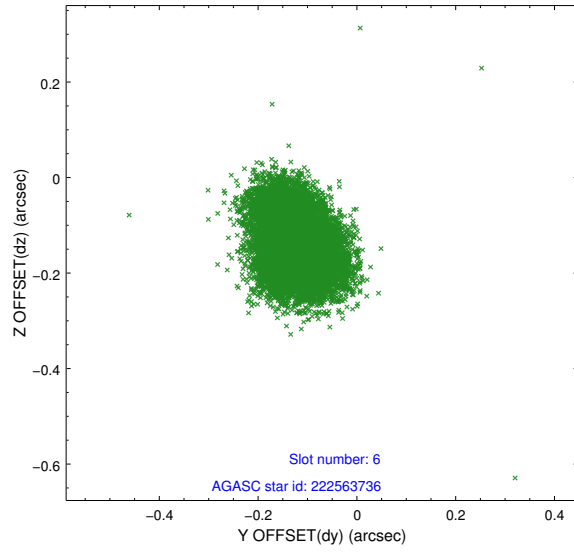
2.4.2 Slot 4



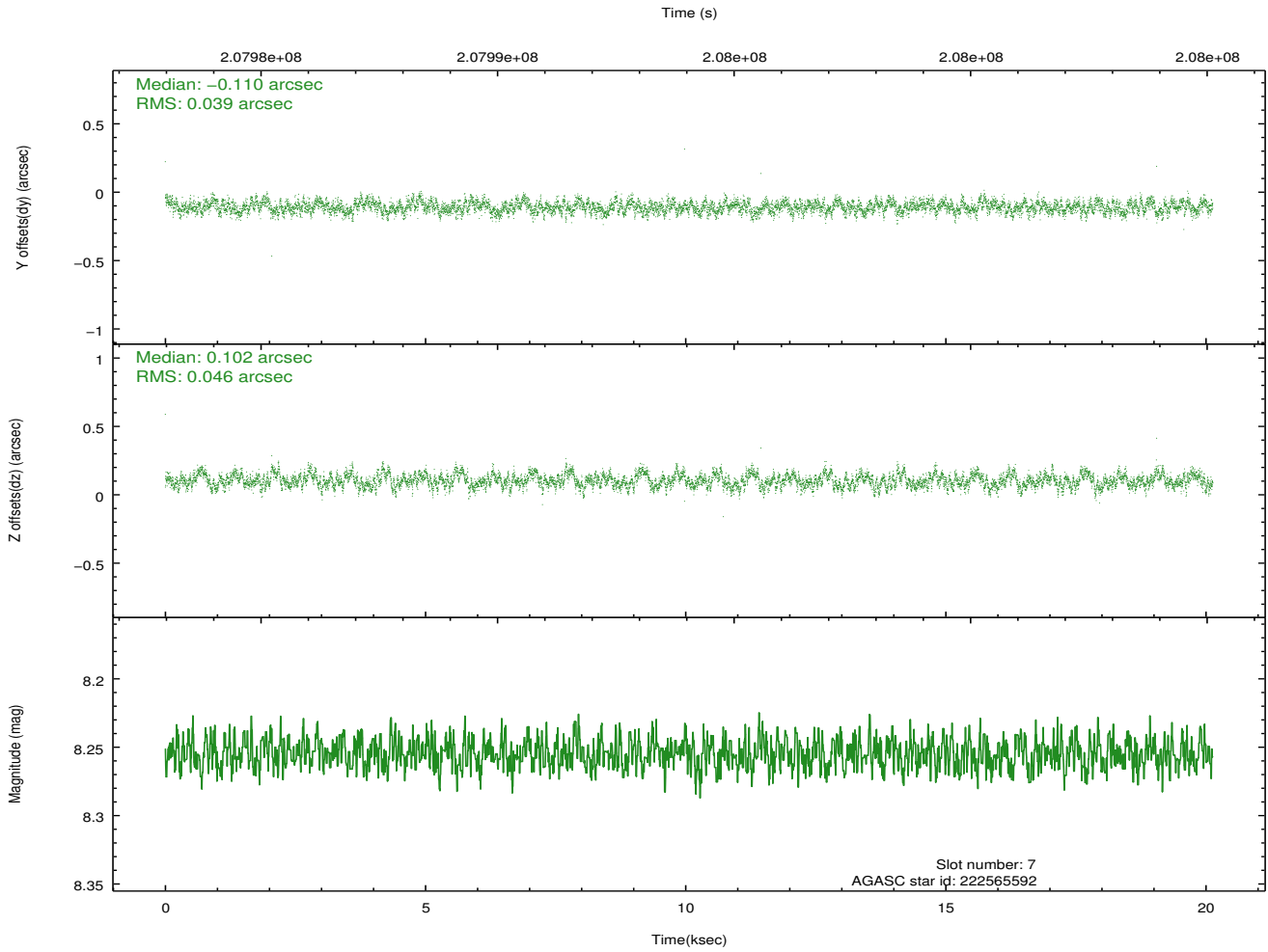
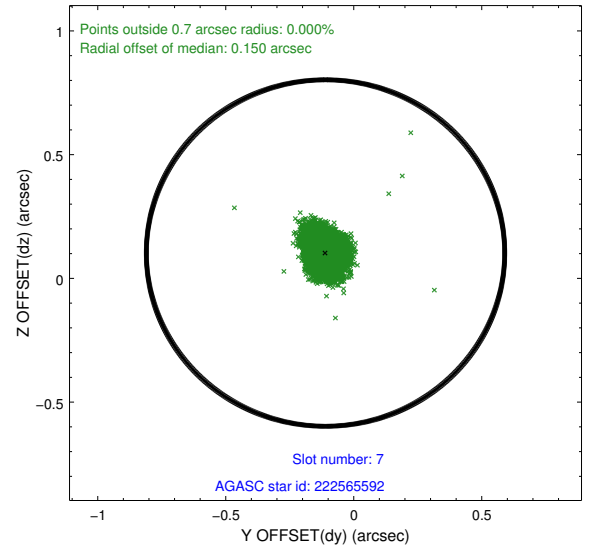
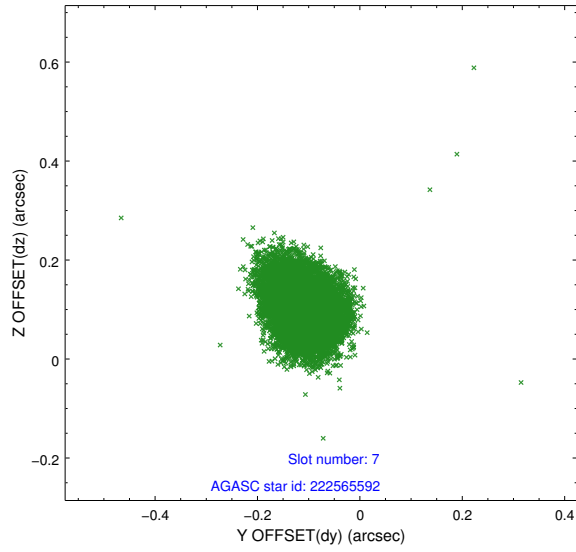
2.4.3 Slot 5



2.4.4 Slot 6

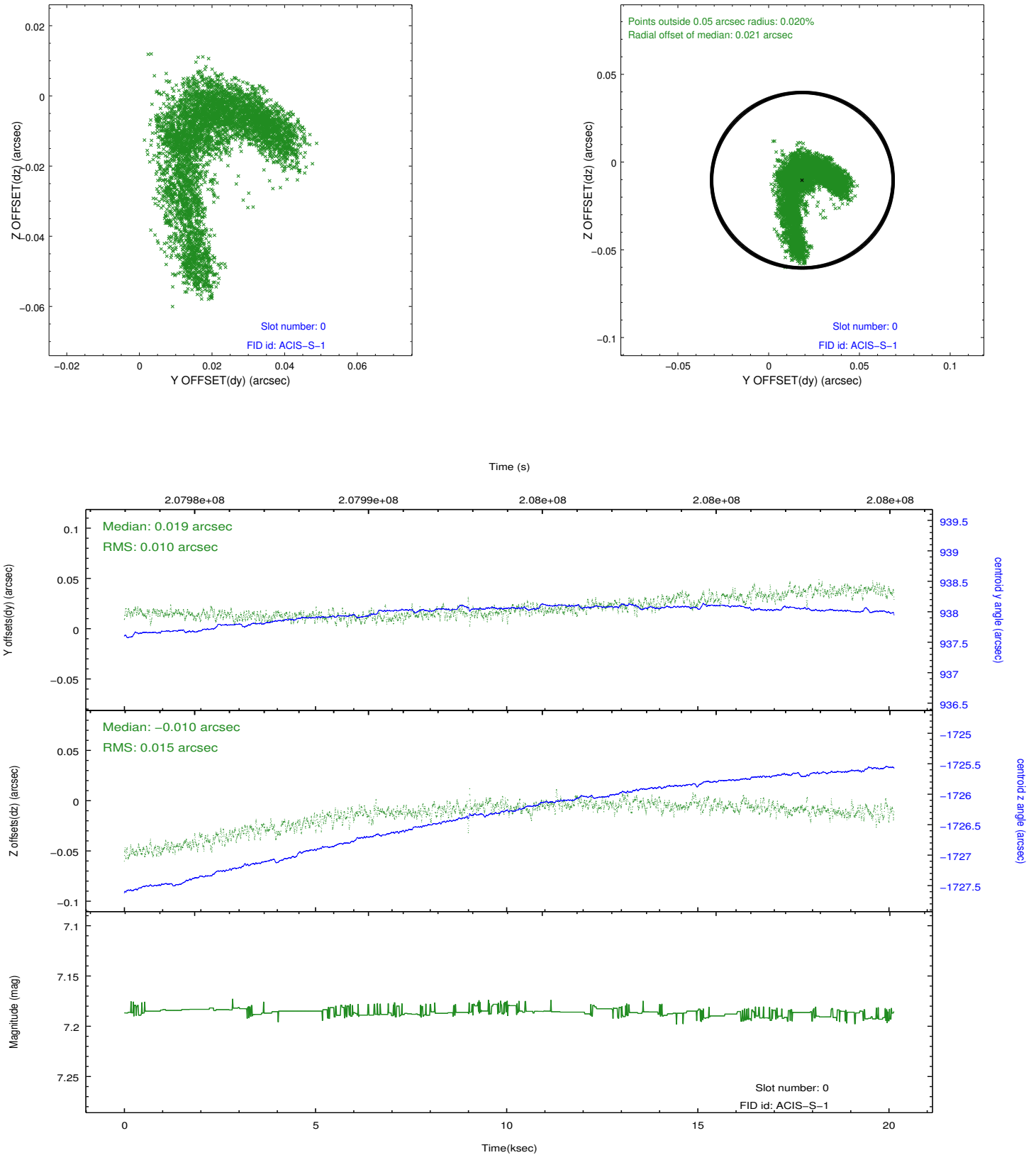


2.4.5 Slot 7

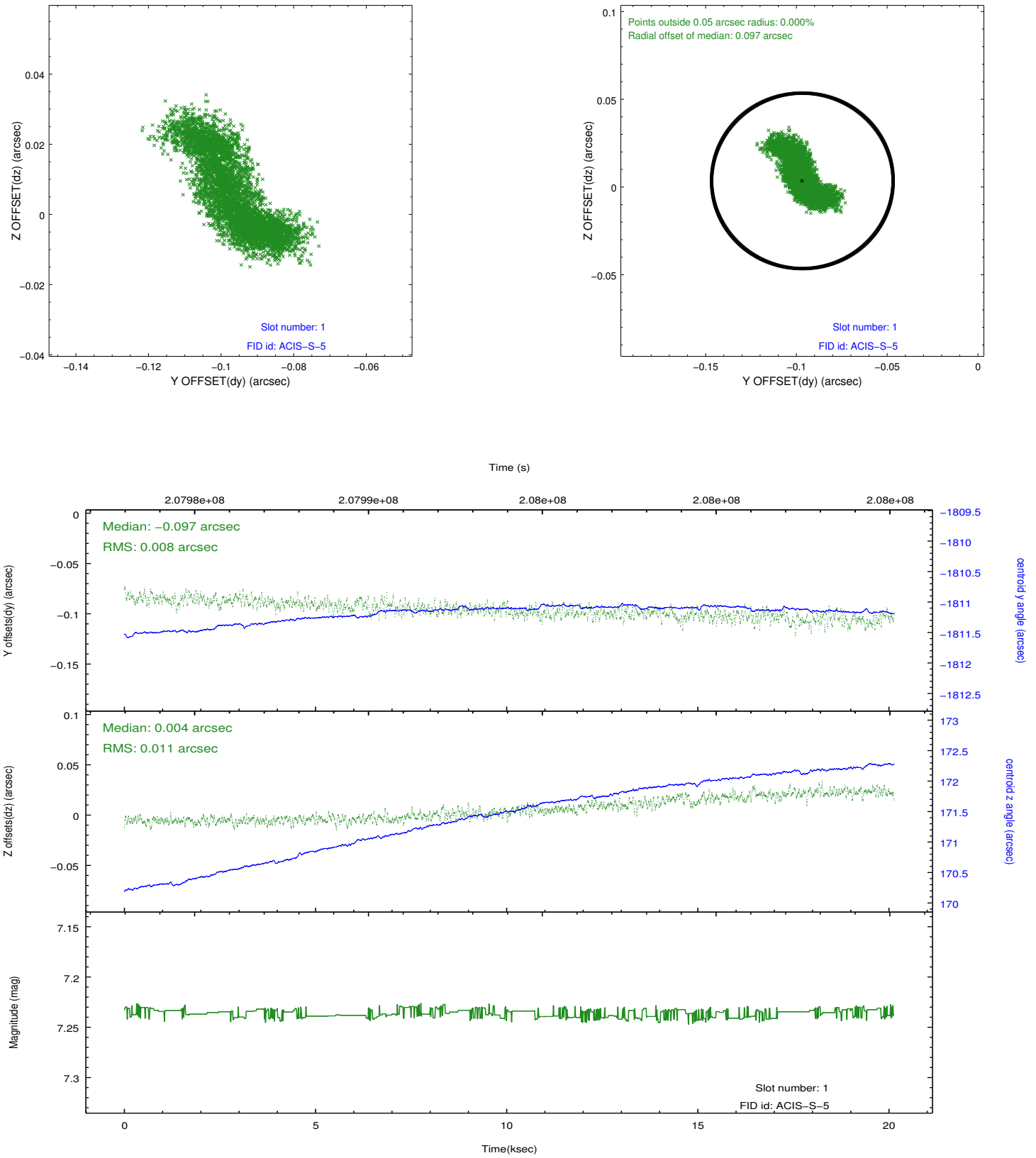


2.5 FID Slots

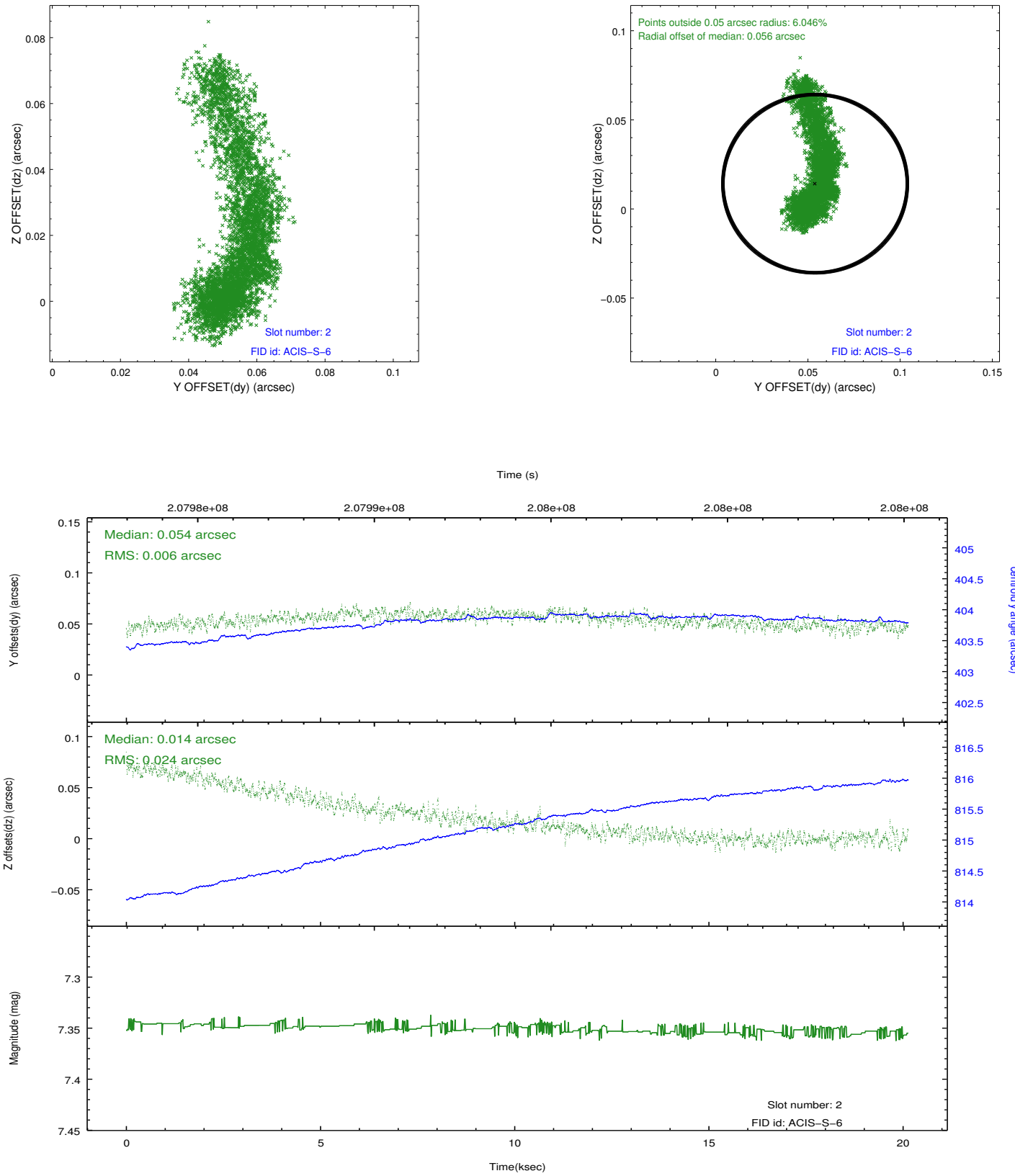
2.5.1 Slot 0



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)	2012.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.1340003

A.2 Comments

Roll constraint met. Joint Proposal: HST