

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11789 - L2 Version 3
Chandra X-Ray Center

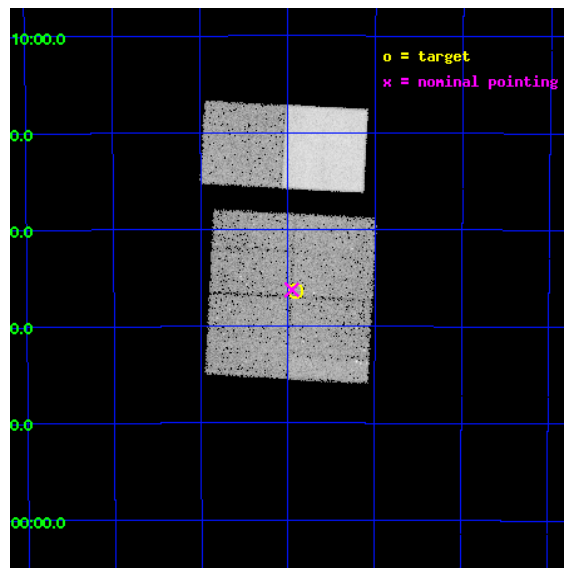
L2 Processing Date : Jun 12 2012

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1 Front

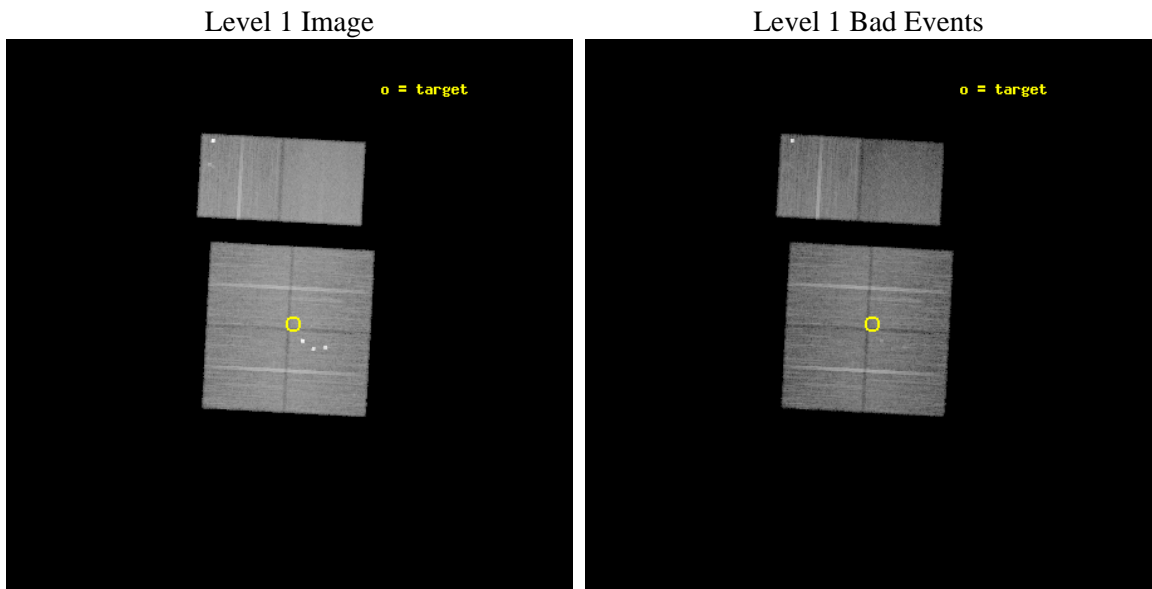
seq_num	900924	Sequence number
obs_id	11789	Observation id
title	Identifying Unidentified Fermi-LAT Objects (UFOs) at High-Latitude	
observer	Dr. C.C. Teddy Cheung	Principal investigator
object	J2241.7-5239	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.476	Observer's specified target RA [deg]
dec_targ	-52.607	Observer's specified target Dec [deg]
ra_nom	340.48845794584	Nominal RA [deg]
dec_nom	-52.604156587454	Nominal Dec [deg]
roll_nom	3.0797896454277	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20185.599924862	Sum of GTIs [s]
livetime	19929.997704305	Livetime [s]
ontime0	20185.599924862	Sum of GTIs [s]
ontime1	20185.599924862	Sum of GTIs [s]
ontime2	20185.599924862	Sum of GTIs [s]
ontime3	20185.599924862	Sum of GTIs [s]
ontime6	20185.599924862	Sum of GTIs [s]
ontime7	20185.599924862	Sum of GTIs [s]
l2events	164616	Number of level 2 events



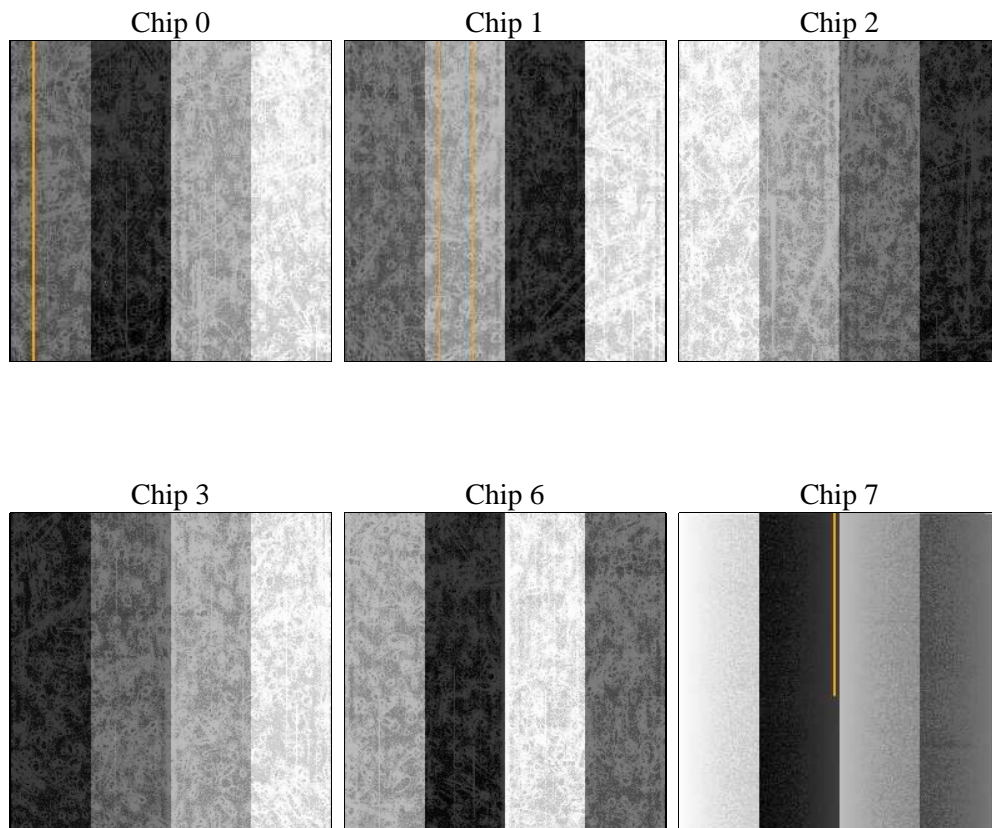
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20185.599924862	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	20185.599924862	Sum of GTIs [s]
date	2012-06-12T22:04:08	Date and time of file creation	ontime1	20185.599924862	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	20185.599924862	Sum of GTIs [s]
			ontime3	20185.599924862	Sum of GTIs [s]
			ontime6	20185.599924862	Sum of GTIs [s]
			ontime7	20185.599924862	Sum of GTIs [s]
			l1events	1162771	Number of level 1 events

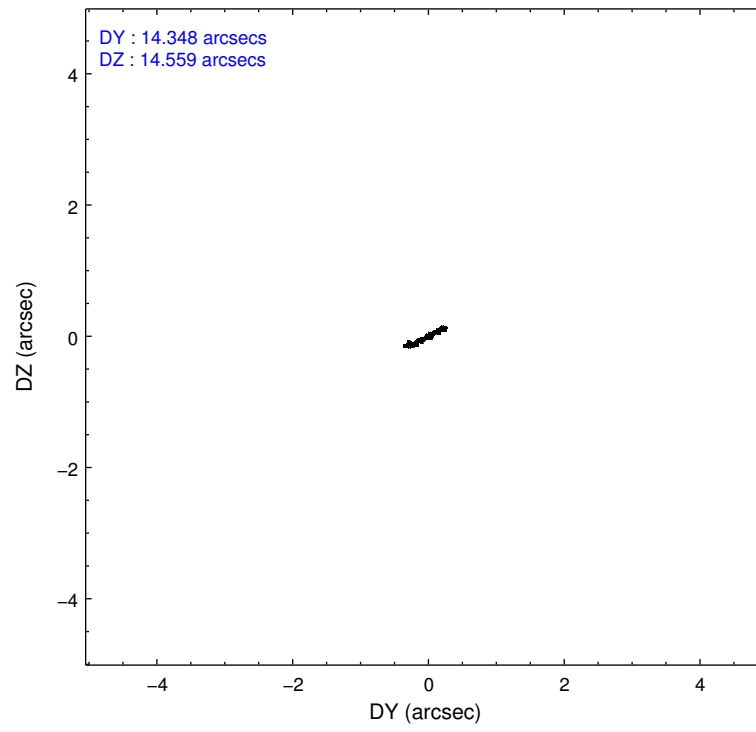
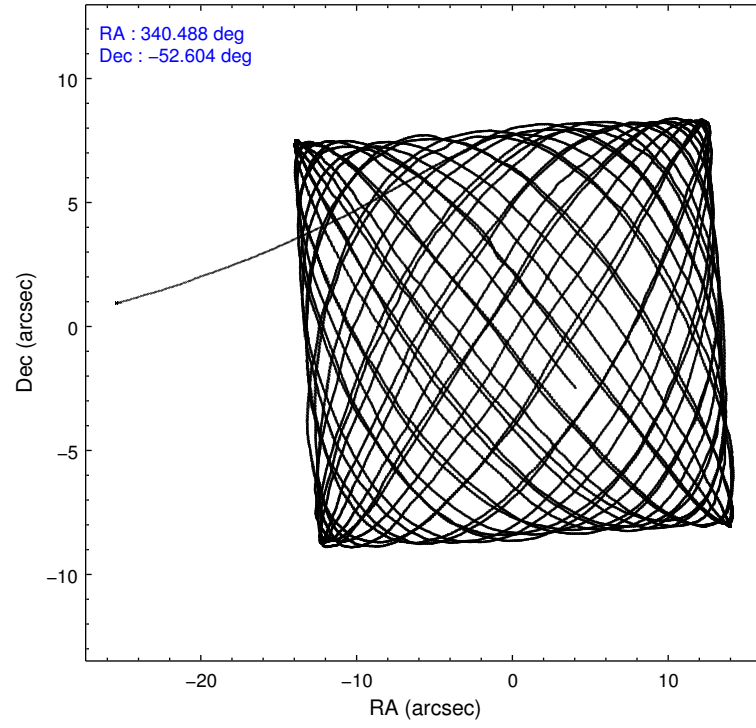
2.1.4 Events

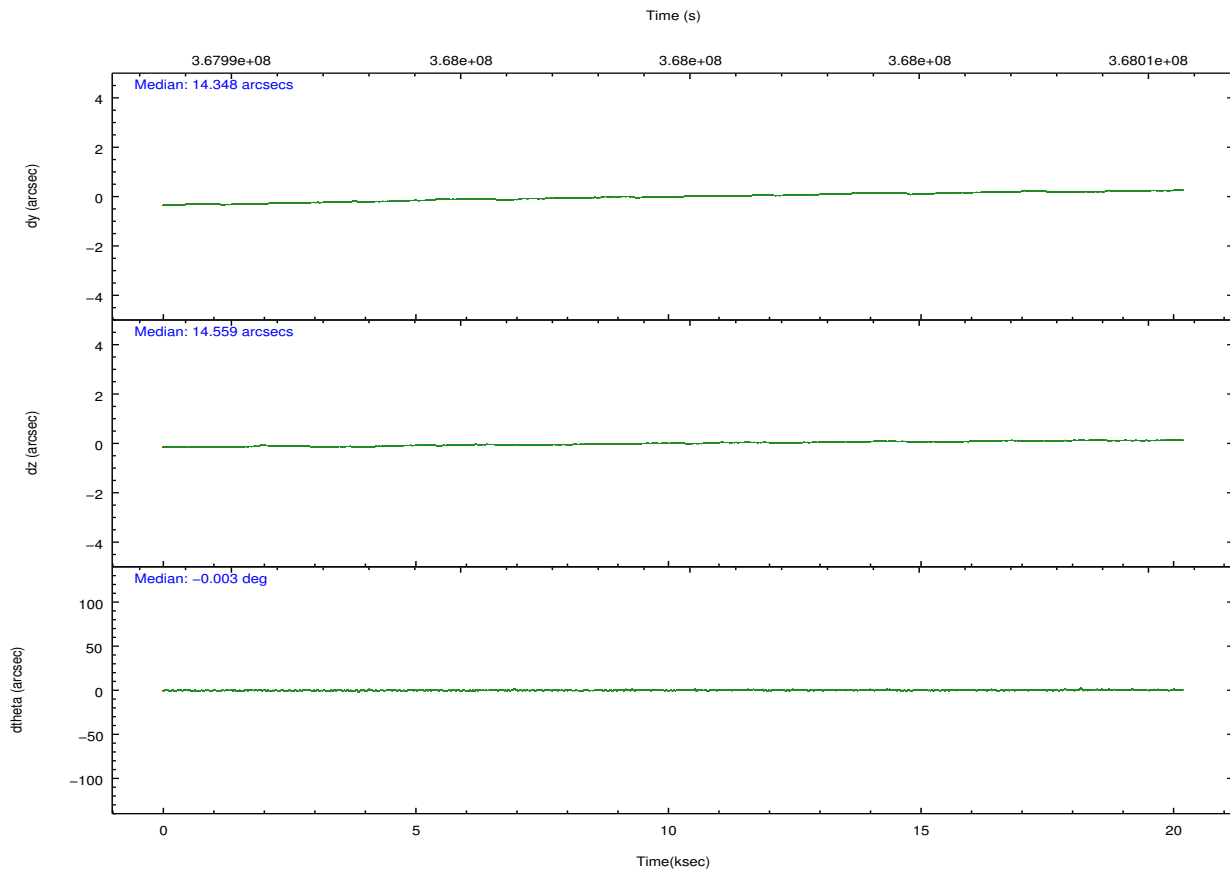
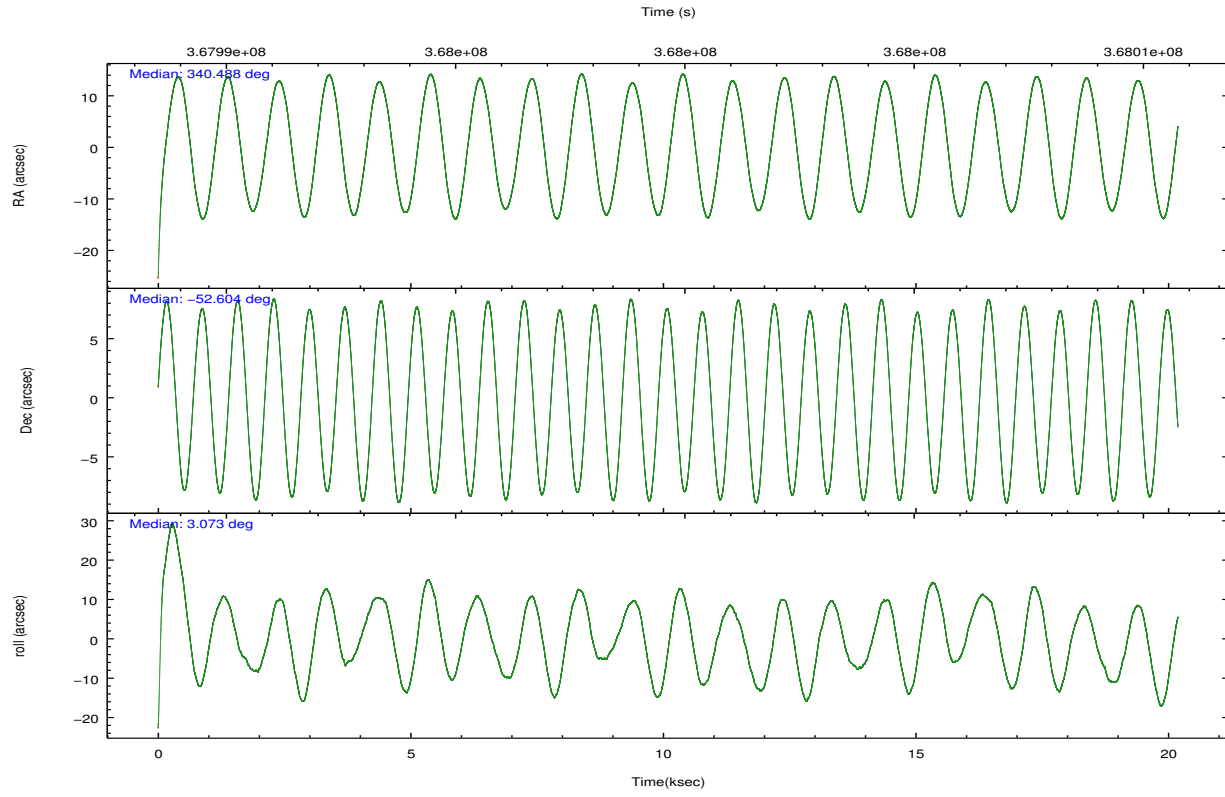
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	174519	196944	188759	183638	205776	213135	grade 0 events	6464	13964	6503	6342	12859	9158
rejected events	156718	153591	171716	166910	180995	120794		3%	7%	3%	3%	6%	4%
rejected %	89%	77%	90%	90%	87%	56%	grade 1 events	108	136	108	117	6421	312
								0%	0%	0%	0%	3%	0%
							grade 2 events	4803	23023	4394	3870	4872	19787
								2%	11%	2%	2%	2%	9%
							grade 3 events	2098	2172	1806	1915	2067	8758
								1%	1%	0%	1%	1%	4%
							grade 4 events	1972	2133	1912	1939	2141	8868
								1%	1%	1%	1%	1%	4%
							grade 5 events	6517	7350	6121	7685	7957	22465
								3%	3%	3%	4%	3%	10%
							grade 6 events	3461	4247	3333	3546	4153	50551
								1%	2%	1%	1%	2%	23%
							grade 7 events	149096	143919	164582	158224	165306	93236
								85%	73%	87%	86%	80%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	340.450626	340.4884579458425	CCD I2 on	Y	Y
[deg] Pointing Dec	-52.619286	-52.60415658745393	CCD I3 on	Y	Y
[deg] Pointing Roll	2.841059	3.079789645427742	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	367989722.184000	367988112.78521	CCD S5 on	N	N
Observation start date	2009-08-30T03:20:56	2009-08-30T02:55:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	368009722.184000	368011095.84886	On-chip summing requested	N	N
Observation end date	2009-08-30T08:54:16	2009-08-30T09:18:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



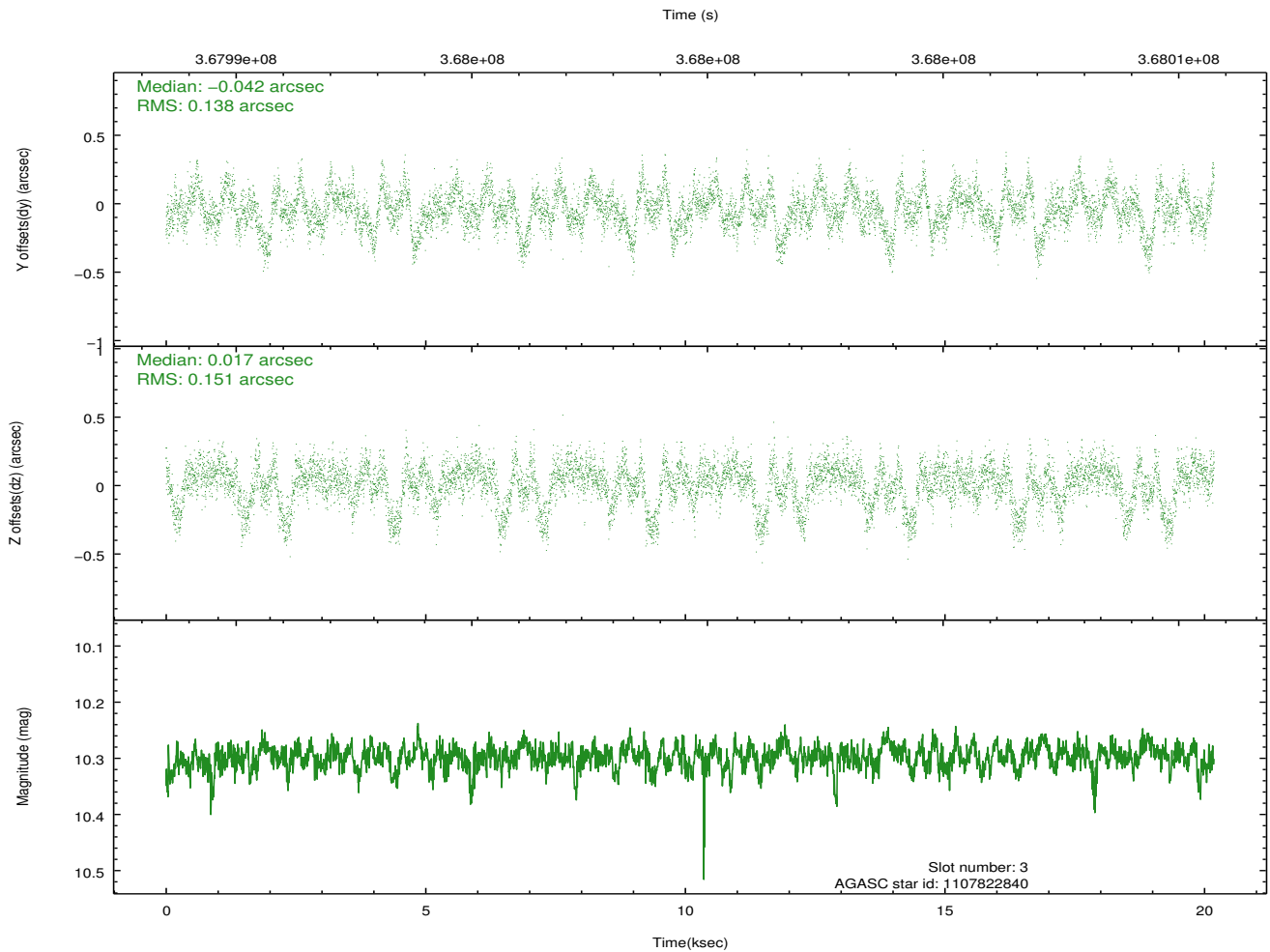
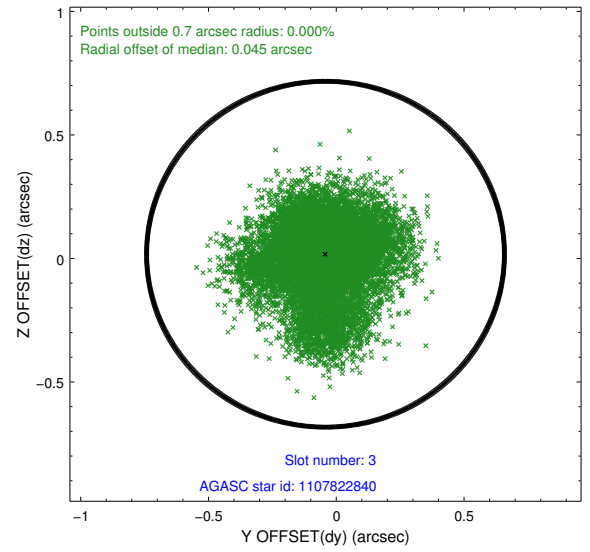
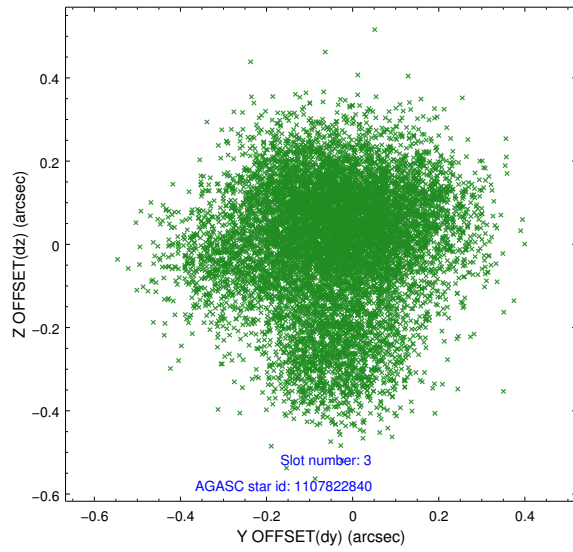


Slot Statistics

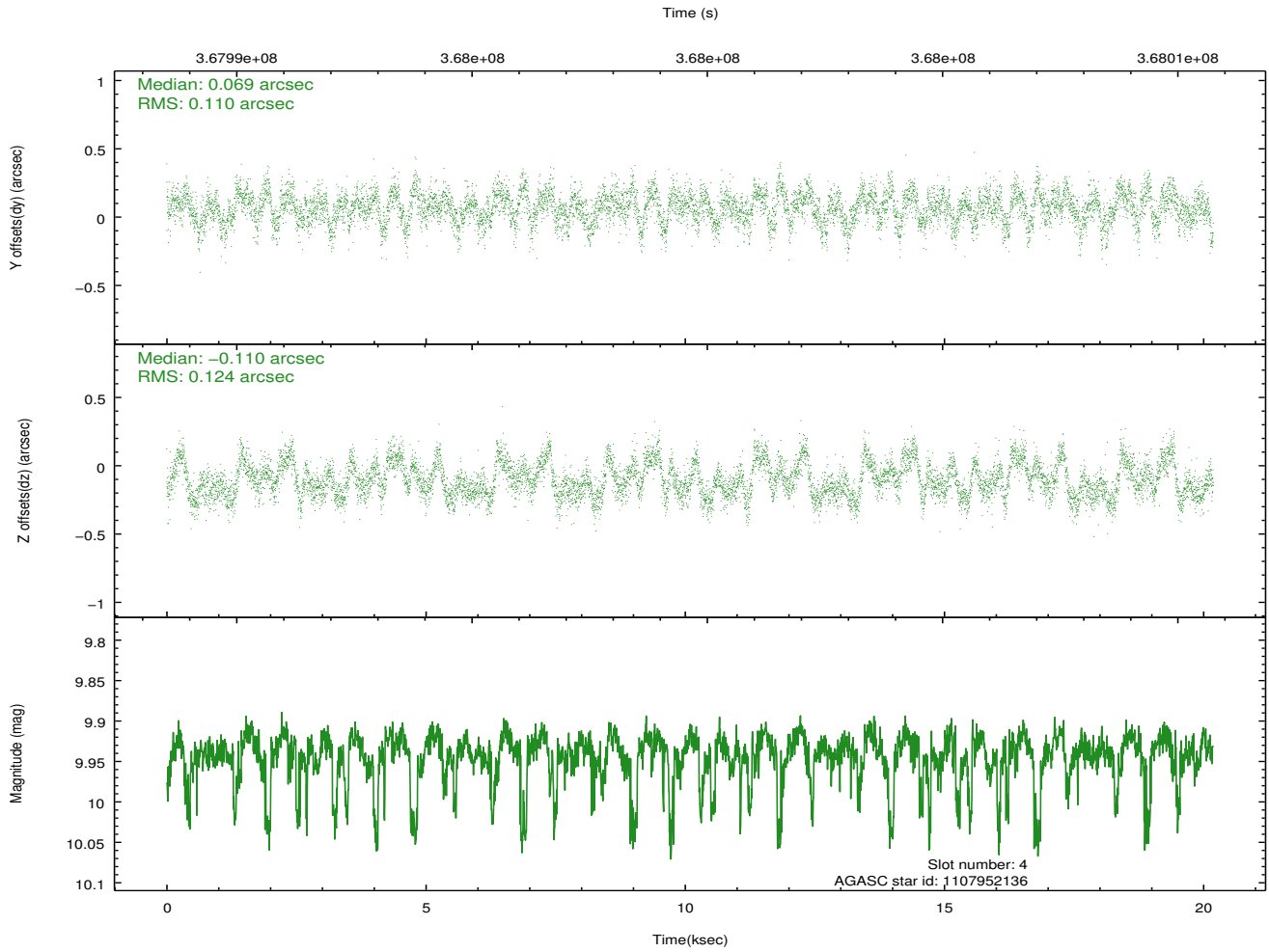
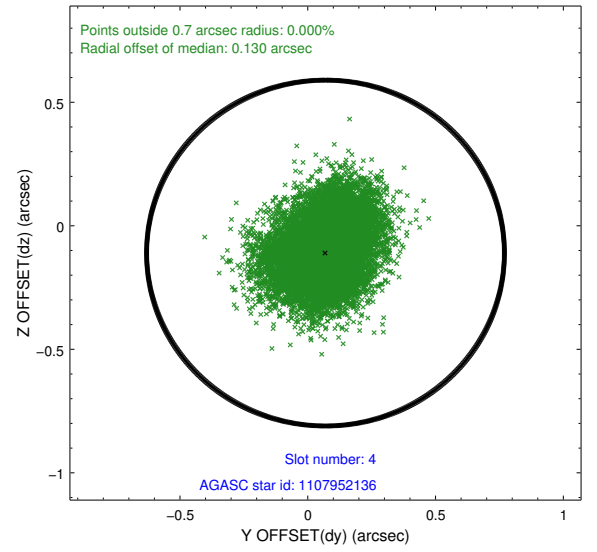
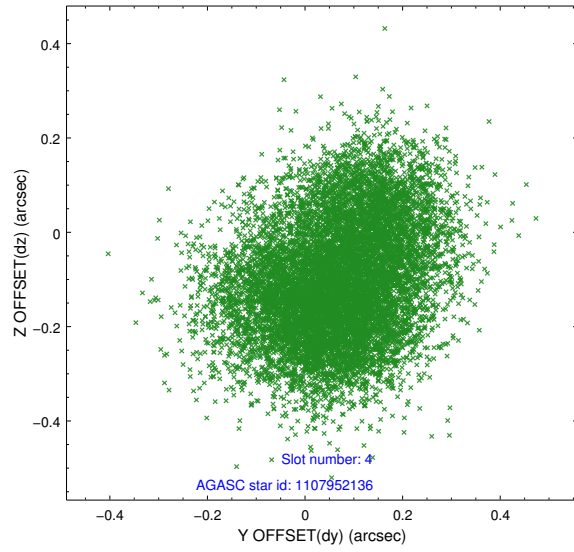
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.08	4925	0.034	0.010	0.007	0.013	0.000000	0.000000	925.19	-838.11
1	FID	ACIS-I-5	7.07	4925	-0.226	0.038	0.007	0.011	0.000000	0.000000	-1823.11	1059.26
2	FID	ACIS-I-6	7.07	4925	0.101	0.022	0.009	0.014	0.000000	0.000000	390.56	1704.00
3	GUIDE	1107822840	10.30	9811	-0.042	0.017	0.221	0.354	340.804114	-52.047137	883.23	2015.01
4	GUIDE	1107952136	9.94	9823	0.069	-0.110	0.179	0.281	341.385635	-52.344658	2102.64	872.52
5	GUIDE	1156449184	6.95	9847	-0.243	0.075	0.098	0.165	339.784998	-52.691973	-1463.41	-196.14
6	GUIDE	1156453272	9.80	9805	0.214	0.025	0.167	0.268	340.881576	-53.035033	858.16	-1543.88
7	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

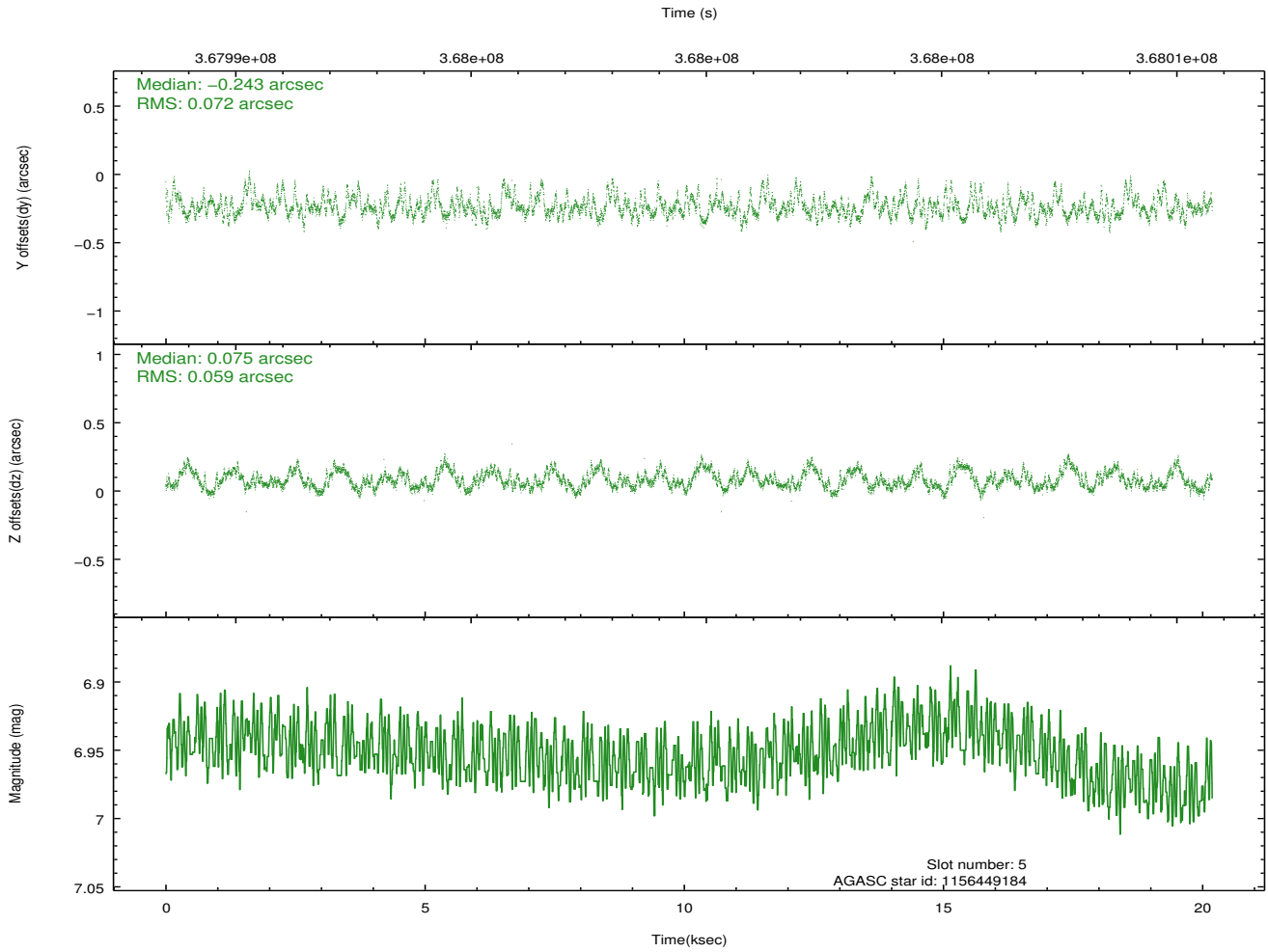
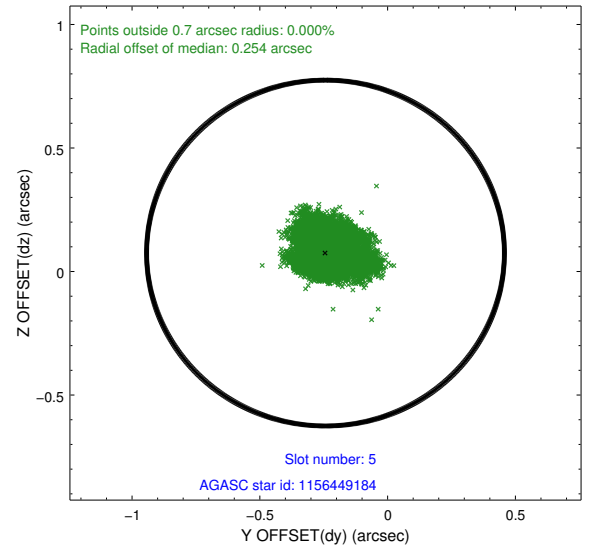
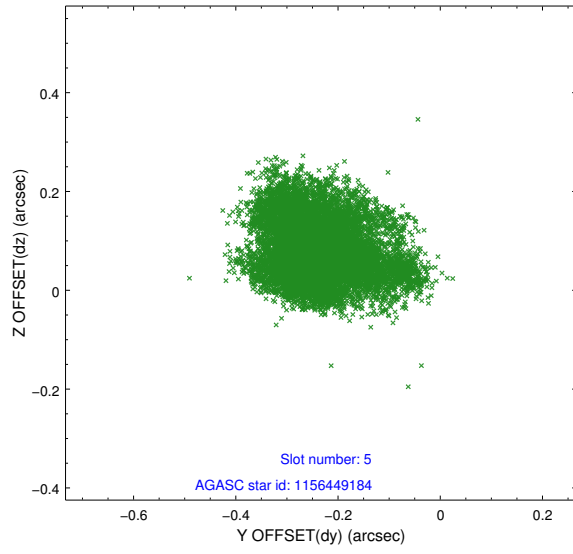
2.4.1 Slot 3



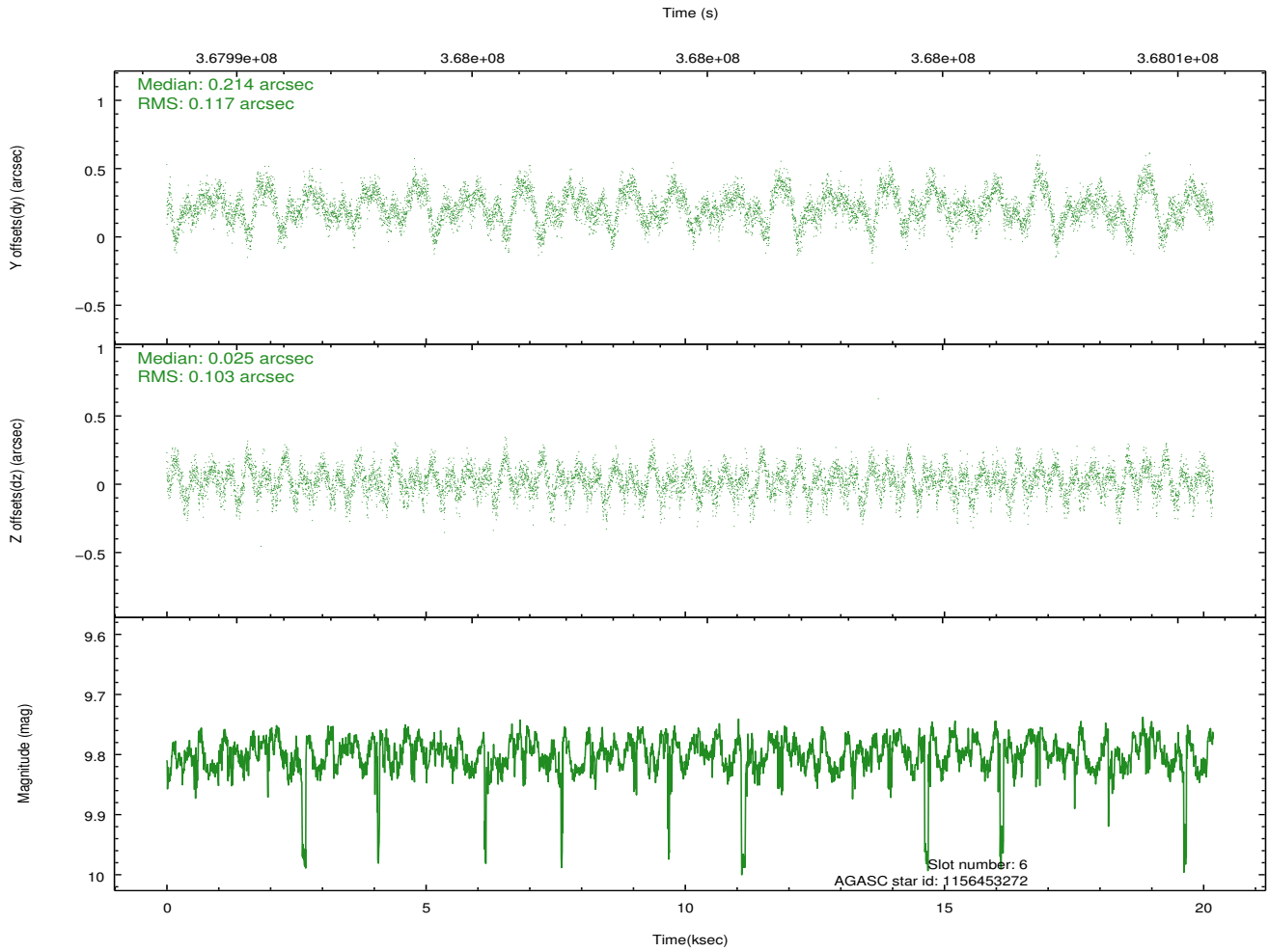
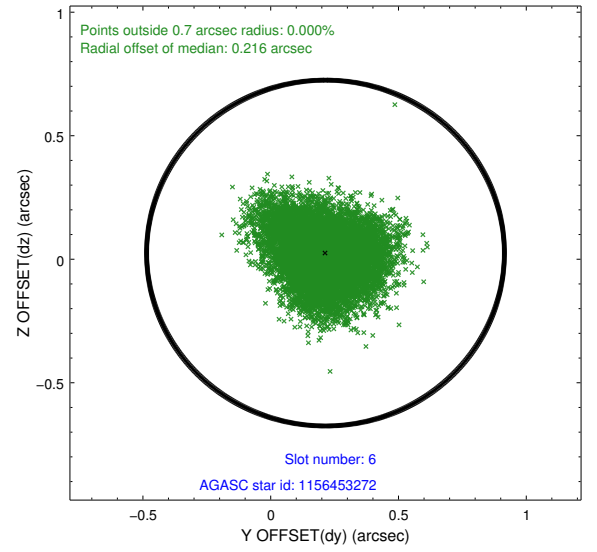
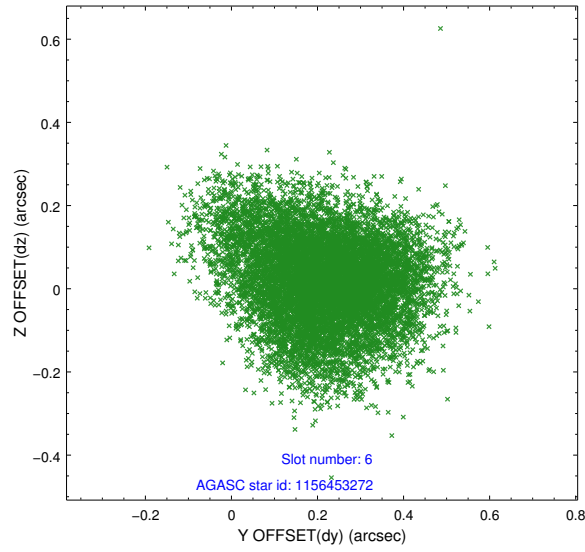
2.4.2 Slot 4



2.4.3 Slot 5

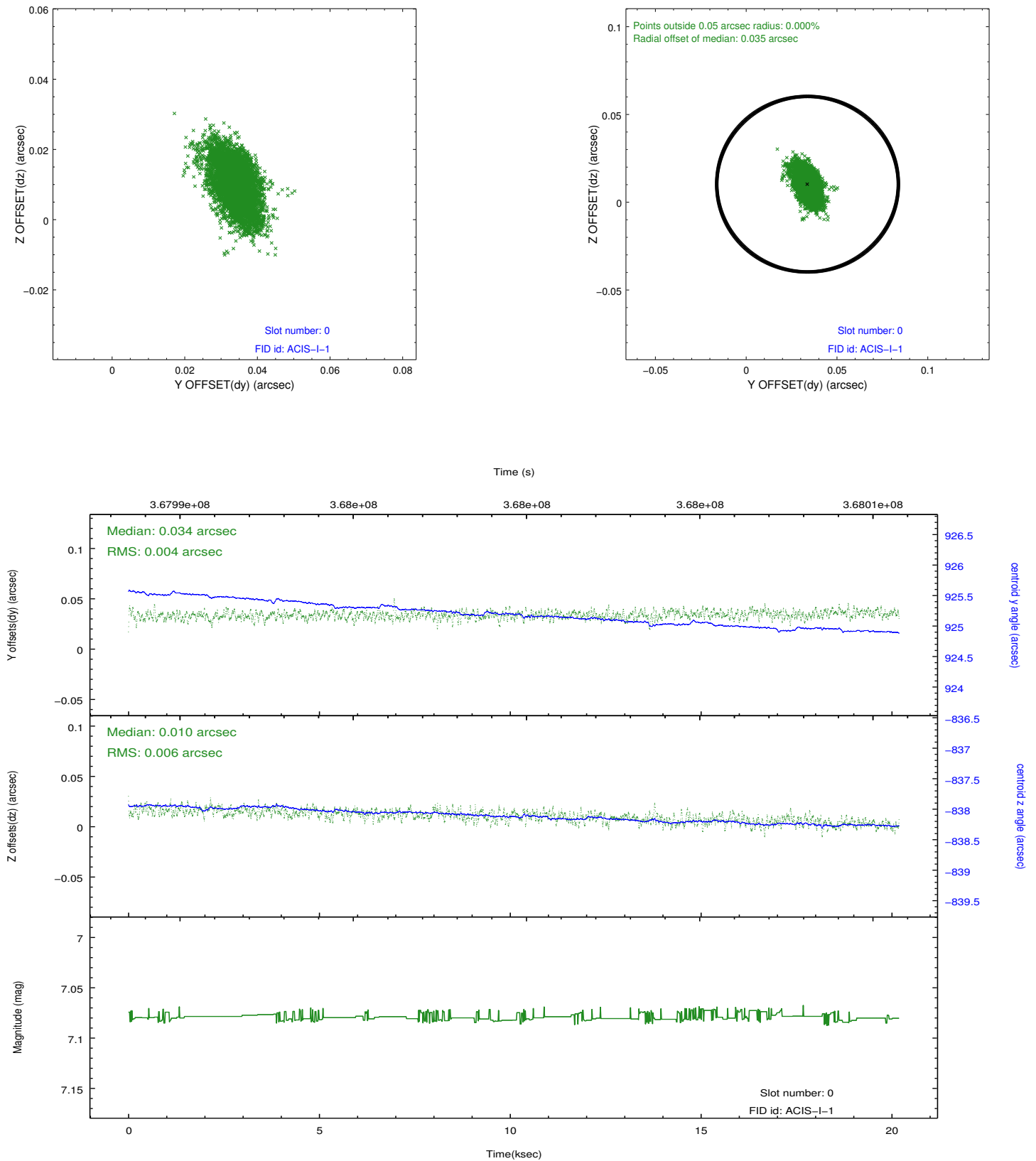


2.4.4 Slot 6

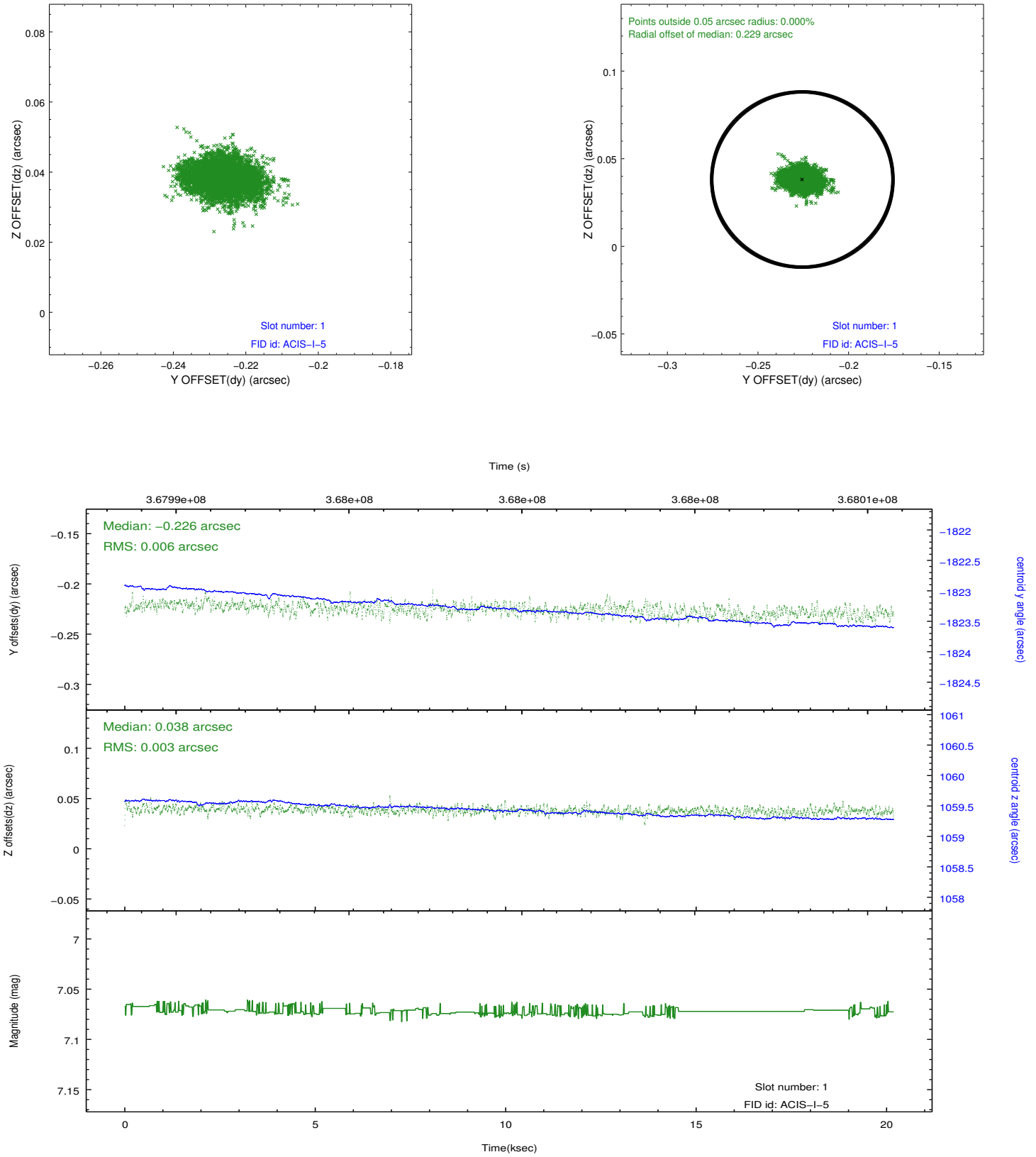


2.5 FID Slots

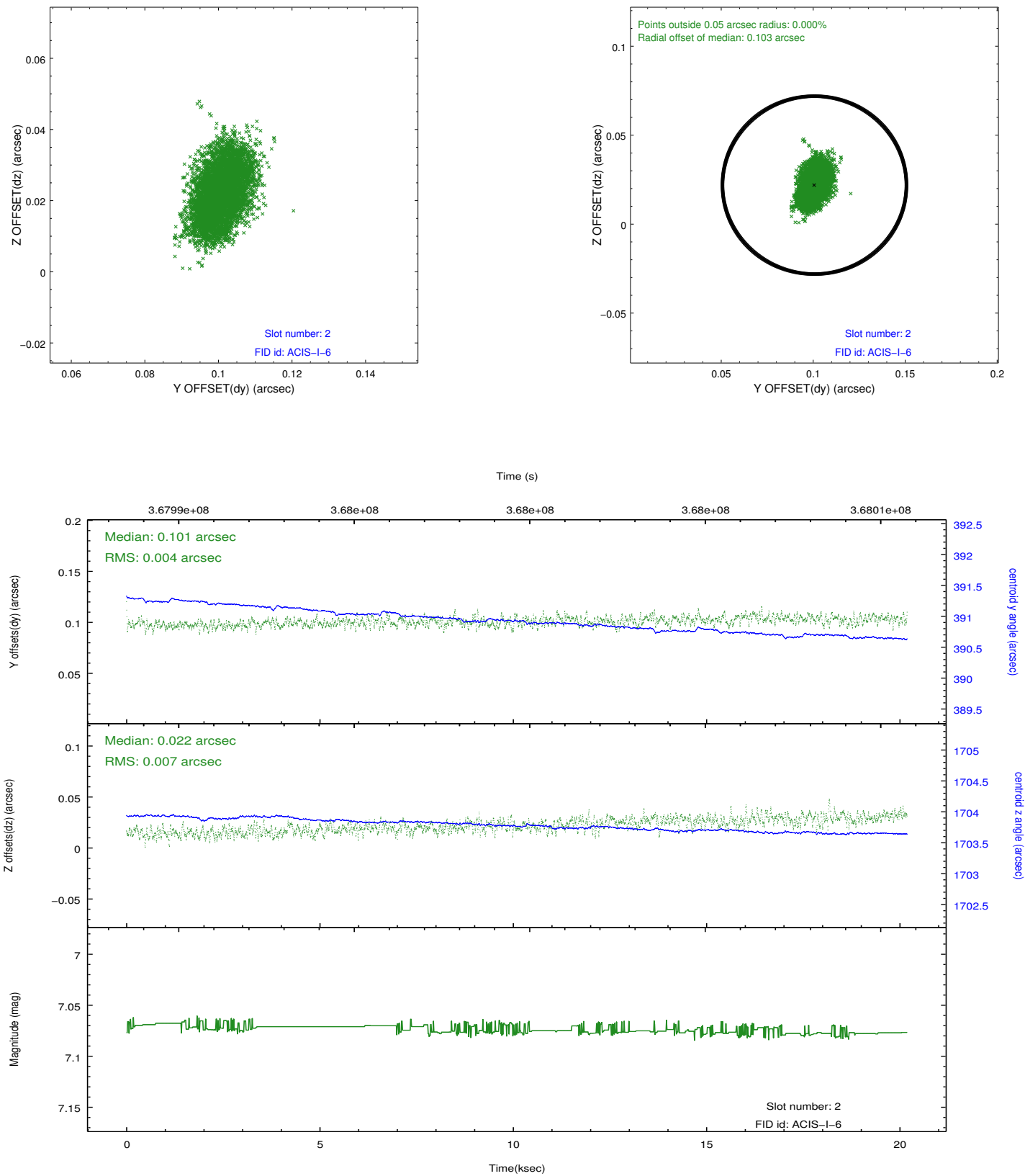
2.5.1 Slot 0



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)	2012.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.185599924862

A.2 Comments

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.