

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10512 - L2 Version 2
Chandra X-Ray Center

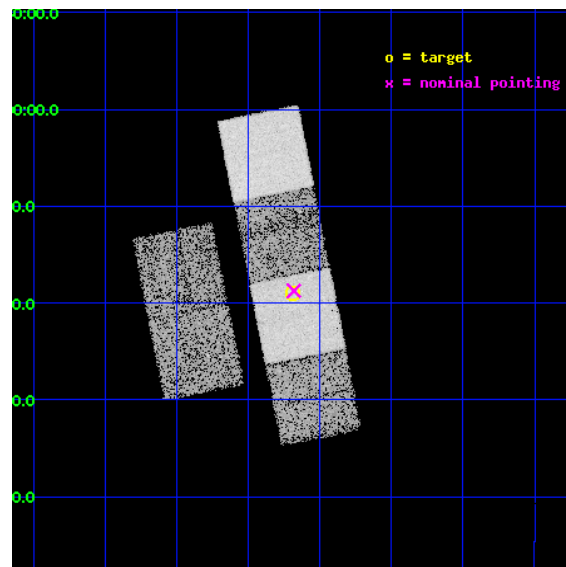
L2 Processing Date : May 31 2012

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1 Front

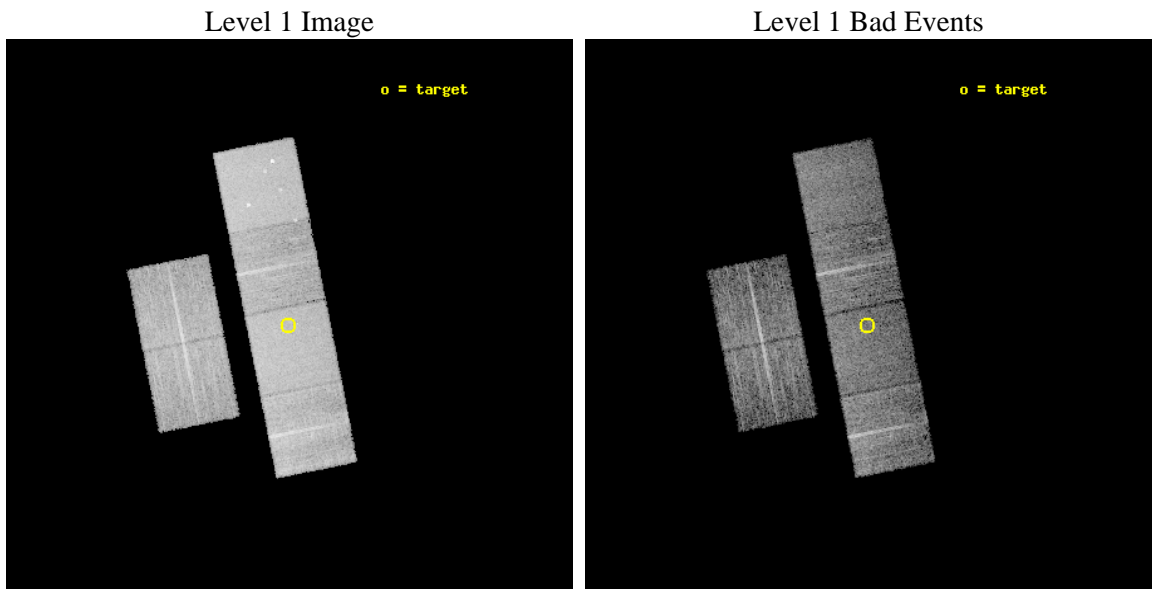
seq_num	900880	Sequence number
obs_id	10512	Observation id
title	ChIcAGO: Chandra Identification of ASCA Galactic Objects	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	AX J184741-0219	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.922083	Observer's specified target RA [deg]
dec_targ	-2.317	Observer's specified target Dec [deg]
ra_nom	281.92037027208	Nominal RA [deg]
dec_nom	-2.3124220523534	Nominal Dec [deg]
roll_nom	78.748592418492	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5763.19997859	Sum of GTIs [s]
livetime	5690.2228702787	Livetime [s]
ontime2	5763.19997859	Sum of GTIs [s]
ontime3	5759.9590082765	Sum of GTIs [s]
ontime5	5763.19997859	Sum of GTIs [s]
ontime6	5763.19997859	Sum of GTIs [s]
ontime7	5763.19997859	Sum of GTIs [s]
ontime8	5763.19997859	Sum of GTIs [s]
l2events	102273	Number of level 2 events



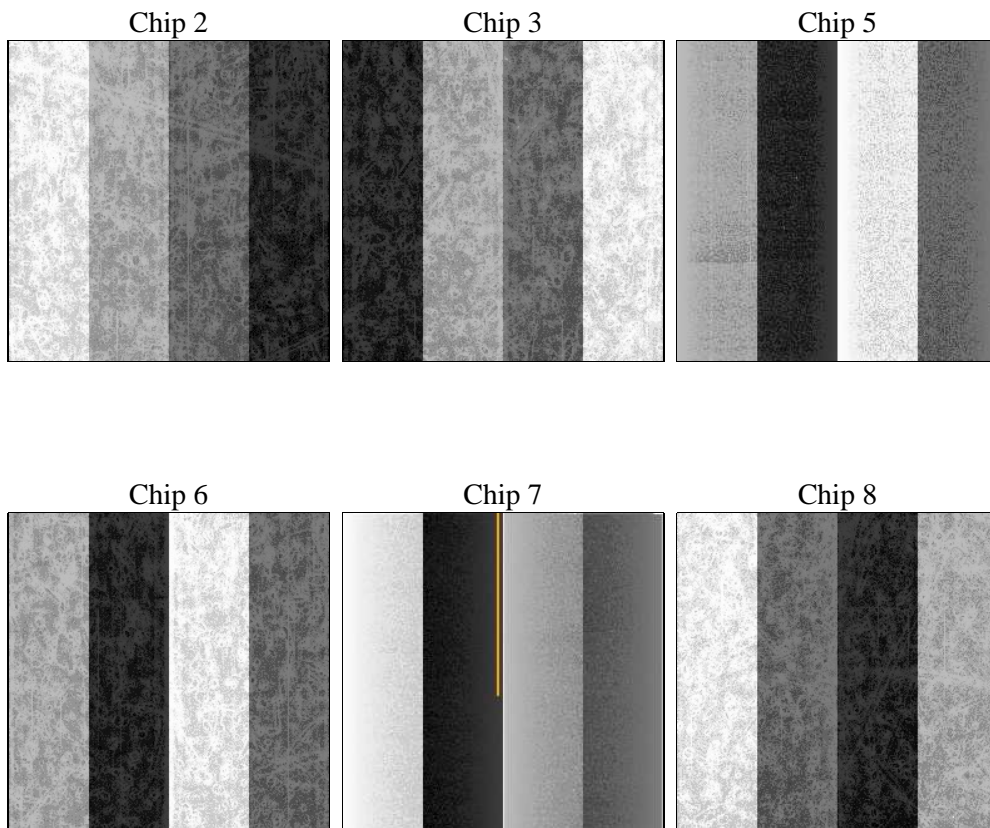
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5600.235000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5763.19997859	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	5763.19997859	Sum of GTIs [s]
date	2012-05-31T14:11:45	Date and time of file creation	ontime3	5759.9590082765	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5763.19997859	Sum of GTIs [s]
			ontime6	5763.19997859	Sum of GTIs [s]
			ontime7	5763.19997859	Sum of GTIs [s]
			ontime8	5763.19997859	Sum of GTIs [s]
			l1events	495160	Number of level 1 events

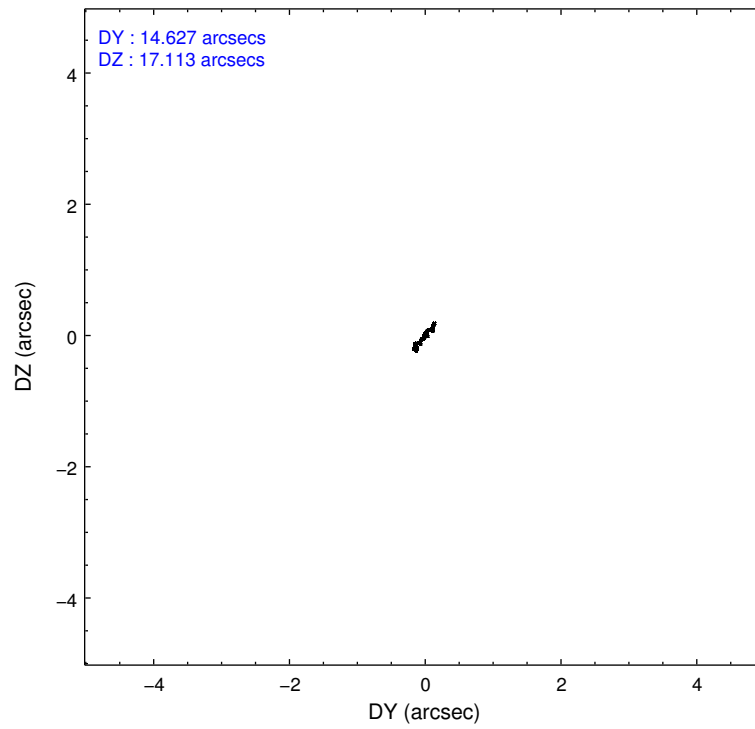
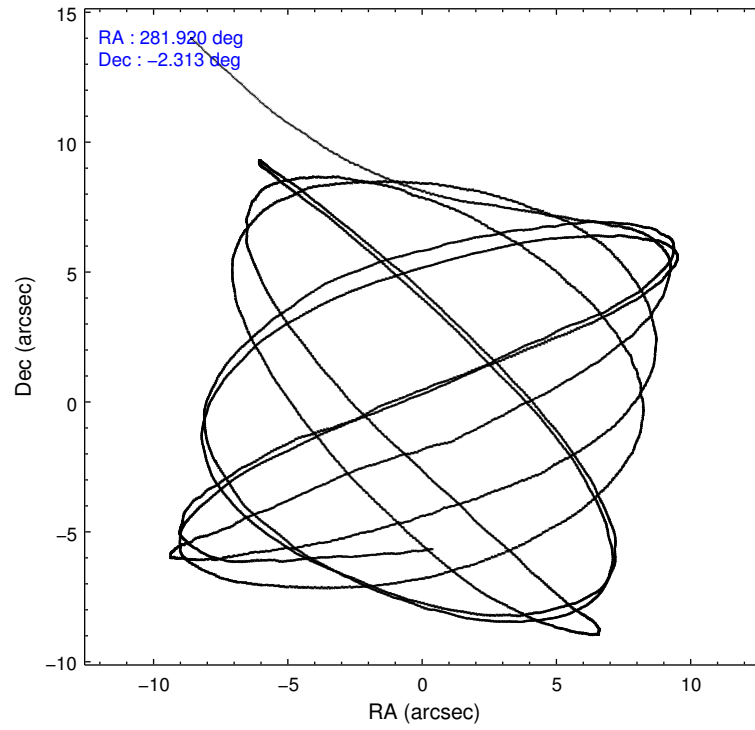
2.1.4 Events

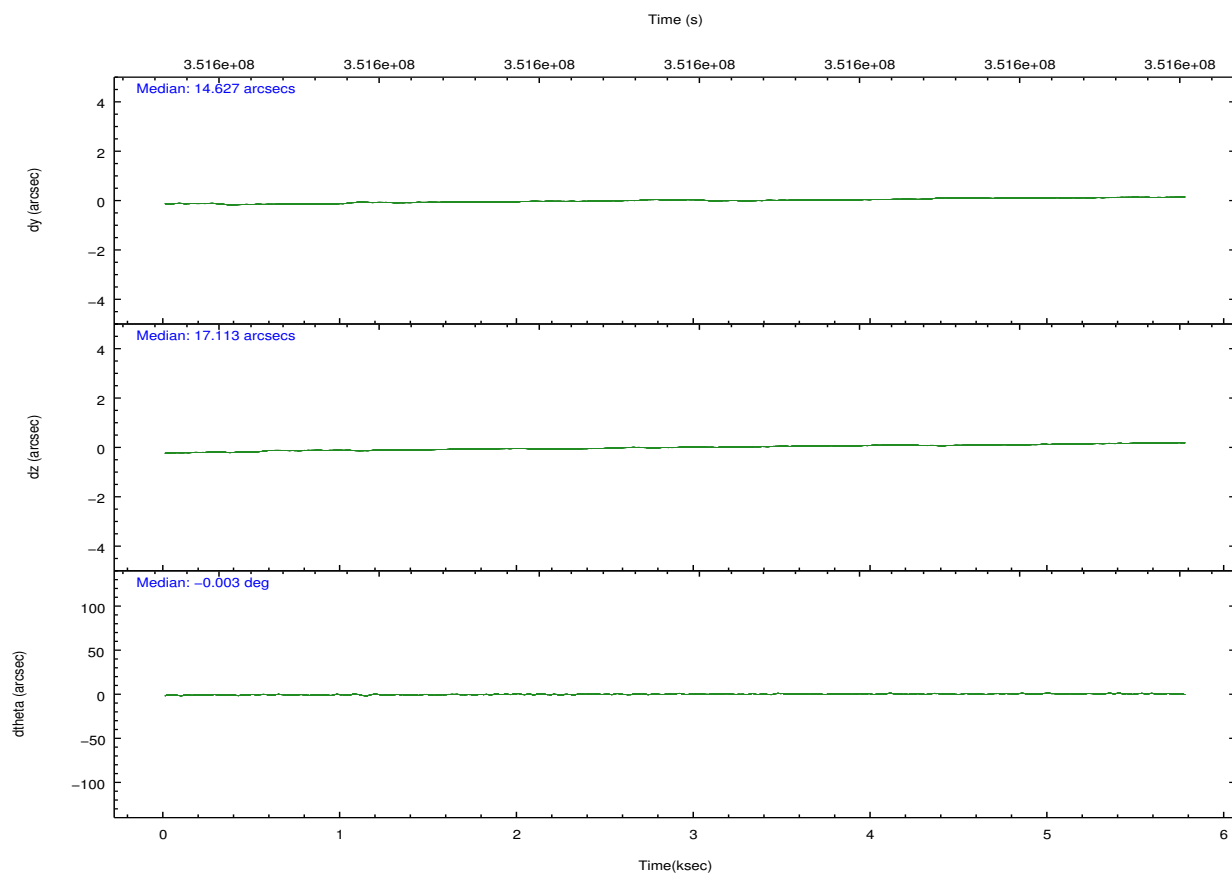
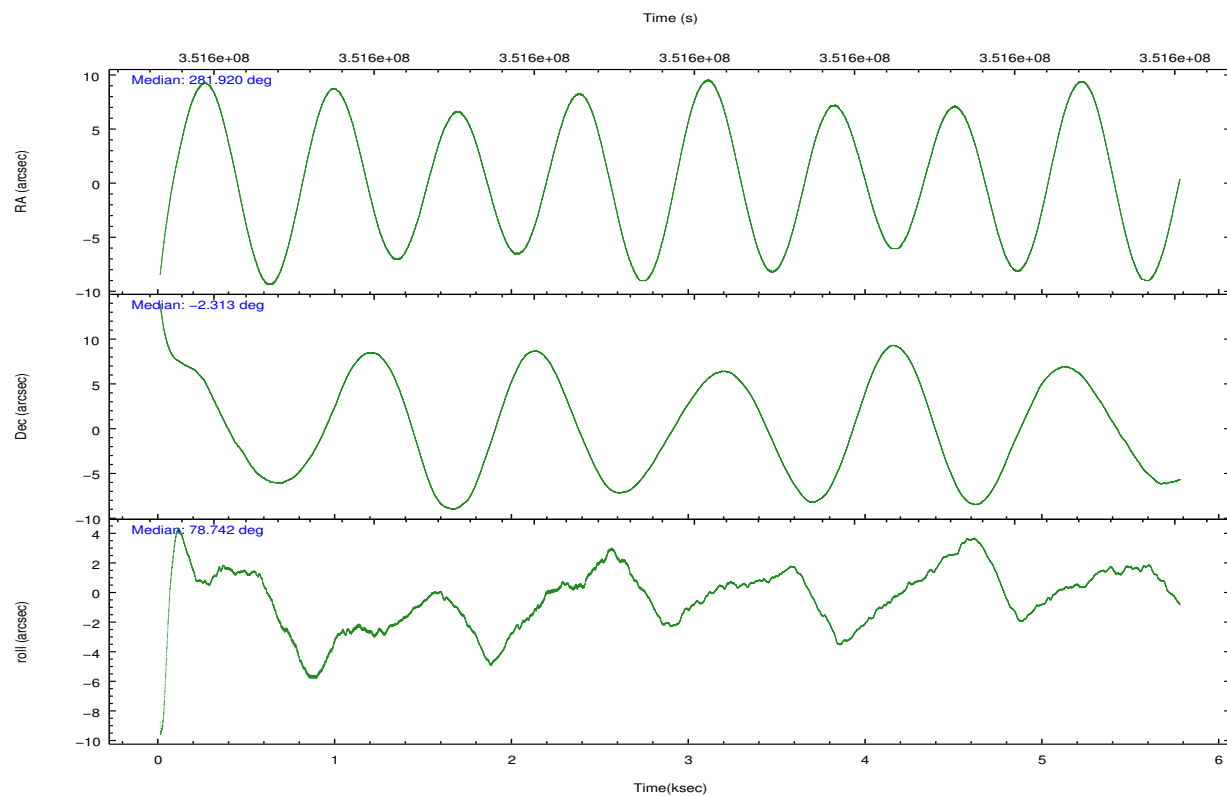
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	67189	66141	108483	68146	96158	89043	grade 0 events	3708	3675	5189	3509	3490	6845
rejected events	60002	58821	64654	60559	60863	70483		5%	5%	4%	5%	3%	7%
rejected %	89%	88%	59%	88%	63%	79%	grade 1 events	46	48	311	32	100	74
								0%	0%	0%	0%	0%	0%
							grade 2 events	1721	1679	15287	1946	8423	4880
								2%	2%	14%	2%	8%	5%
							grade 3 events	706	794	1752	802	3340	2179
								1%	1%	1%	1%	3%	2%
							grade 4 events	741	795	1778	746	3373	2006
								1%	1%	1%	1%	3%	2%
							grade 5 events	2804	3271	7635	3322	9043	4403
								4%	4%	7%	4%	9%	4%
							grade 6 events	1433	1455	26342	1674	21754	5472
								2%	2%	24%	2%	22%	6%
							grade 7 events	56030	54424	50189	56115	46635	63184
								83%	82%	46%	82%	48%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	281.929534	281.9203702720786	CCD I2 on	O2	Y
[deg] Pointing Dec	-2.338227	-2.312422052353356	CCD I3 on	O3	Y
[deg] Pointing Roll	78.592372	78.74859241849239	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	351598133.184000	351596649.70517	CCD S5 on	N	N
Observation start date	2009-02-21T10:07:47	2009-02-21T09:44:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	351603734.184000	351603951.80553	On-chip summing requested	N	N
Observation end date	2009-02-21T11:41:08	2009-02-21T11:45:51	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



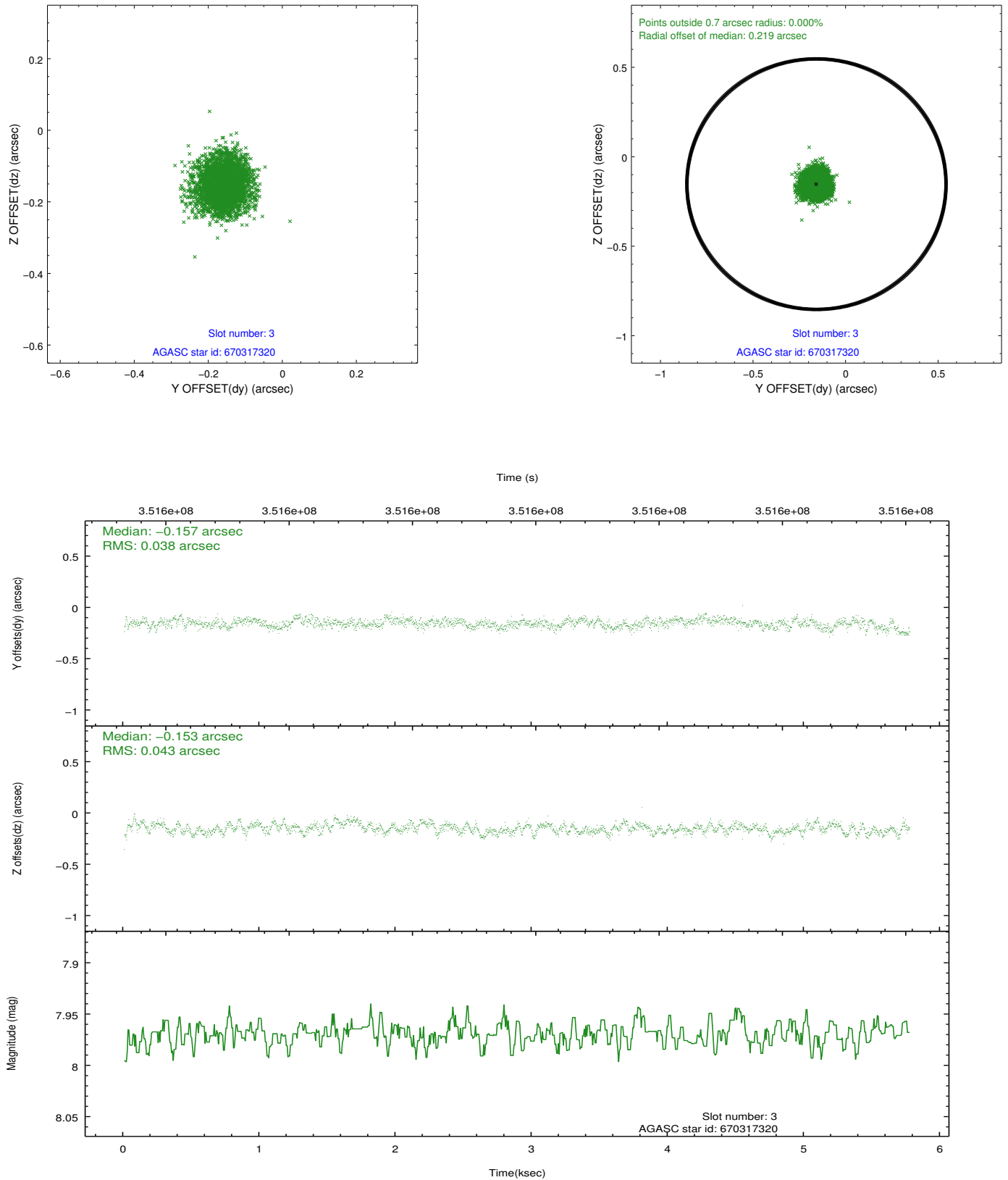


Slot Statistics

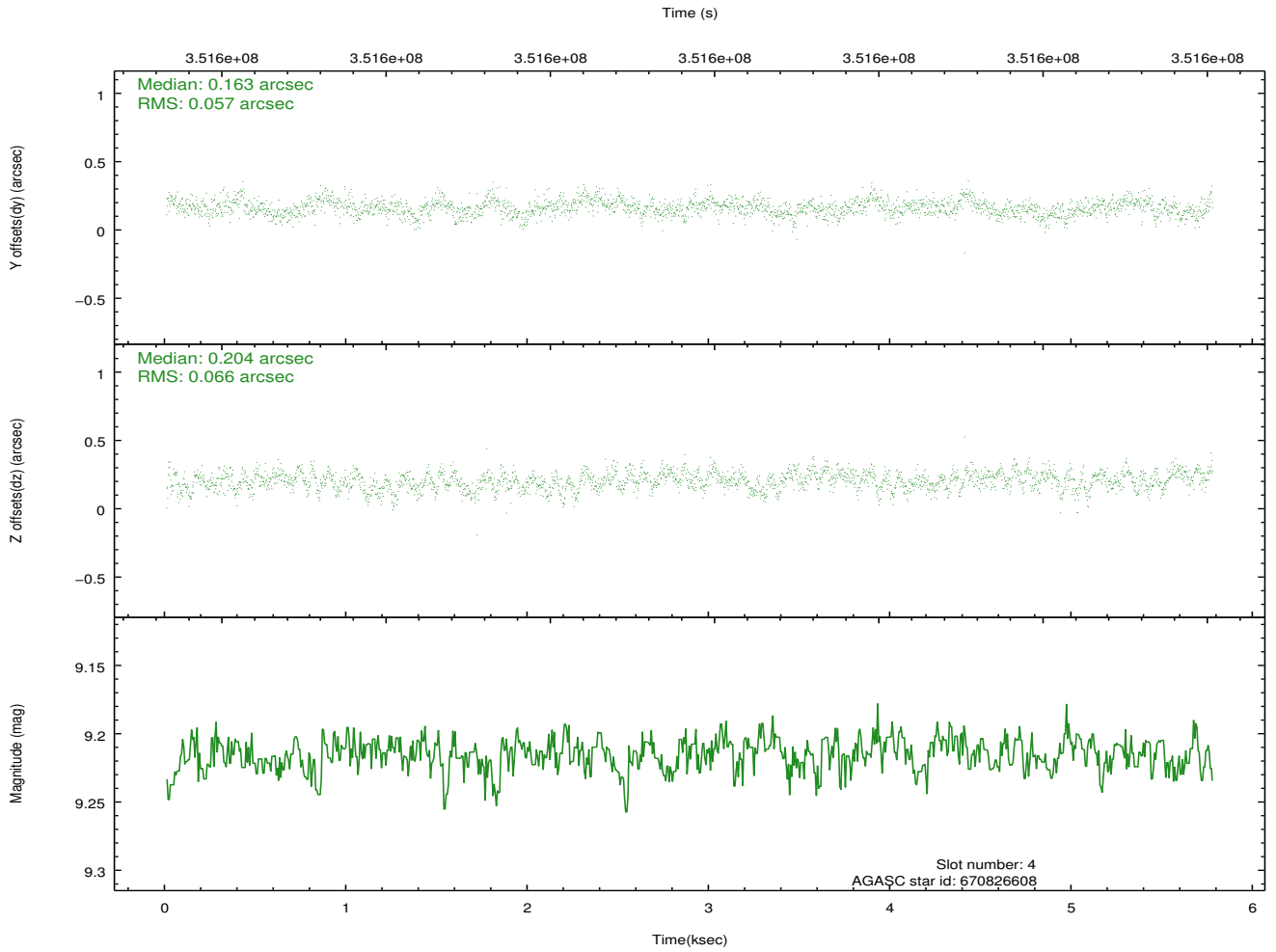
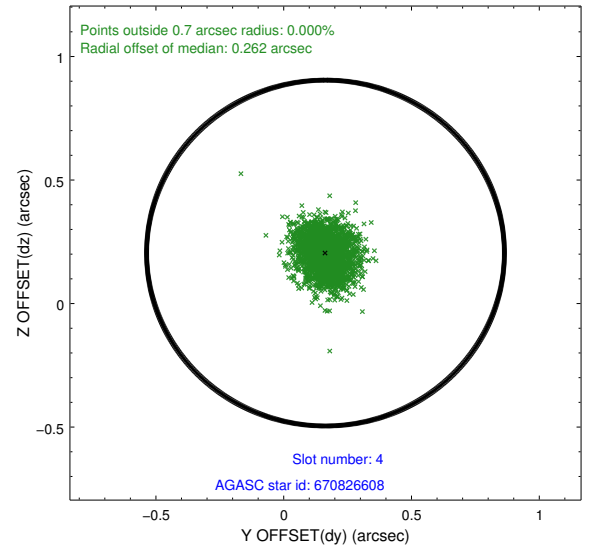
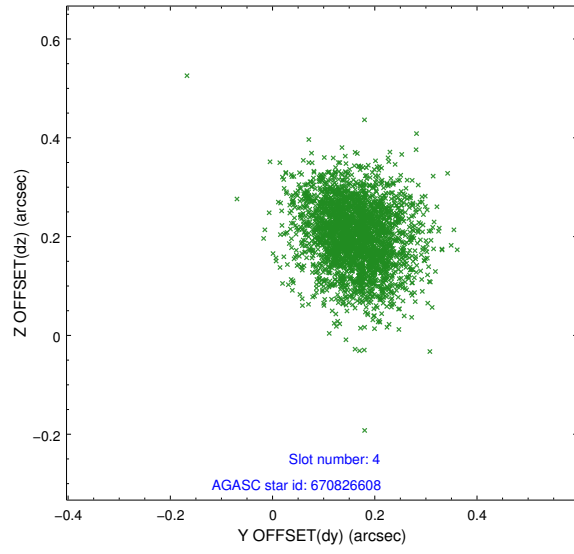
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1407	-0.054	-0.038	0.007	0.012	0.000000	0.000000	-767.67	-1738.57
1	FID	ACIS-S-4	6.97	1407	0.184	0.037	0.011	0.019	0.000000	0.000000	2145.41	168.86
2	FID	ACIS-S-5	7.01	1406	-0.162	0.011	0.010	0.017	0.000000	0.000000	-1819.26	163.76
3	GUIDE	670317320	7.97	2815	-0.157	-0.153	0.061	0.096	281.764311	-1.843342	1628.57	935.14
4	GUIDE	670826608	9.21	2801	0.163	0.204	0.092	0.149	282.595495	-2.141533	1168.54	-2207.92
5	GUIDE	670827280	9.39	2809	-0.053	-0.178	0.106	0.167	281.434708	-1.976010	925.21	2002.36
6	GUIDE	670829768	7.56	2815	-0.236	-0.190	0.051	0.085	281.927934	-2.010470	1155.60	239.63
7	GUIDE	670829600	8.61	2811	0.289	0.321	0.075	0.119	282.227270	-3.031765	-2234.92	-1543.07

2.4 Star Slots

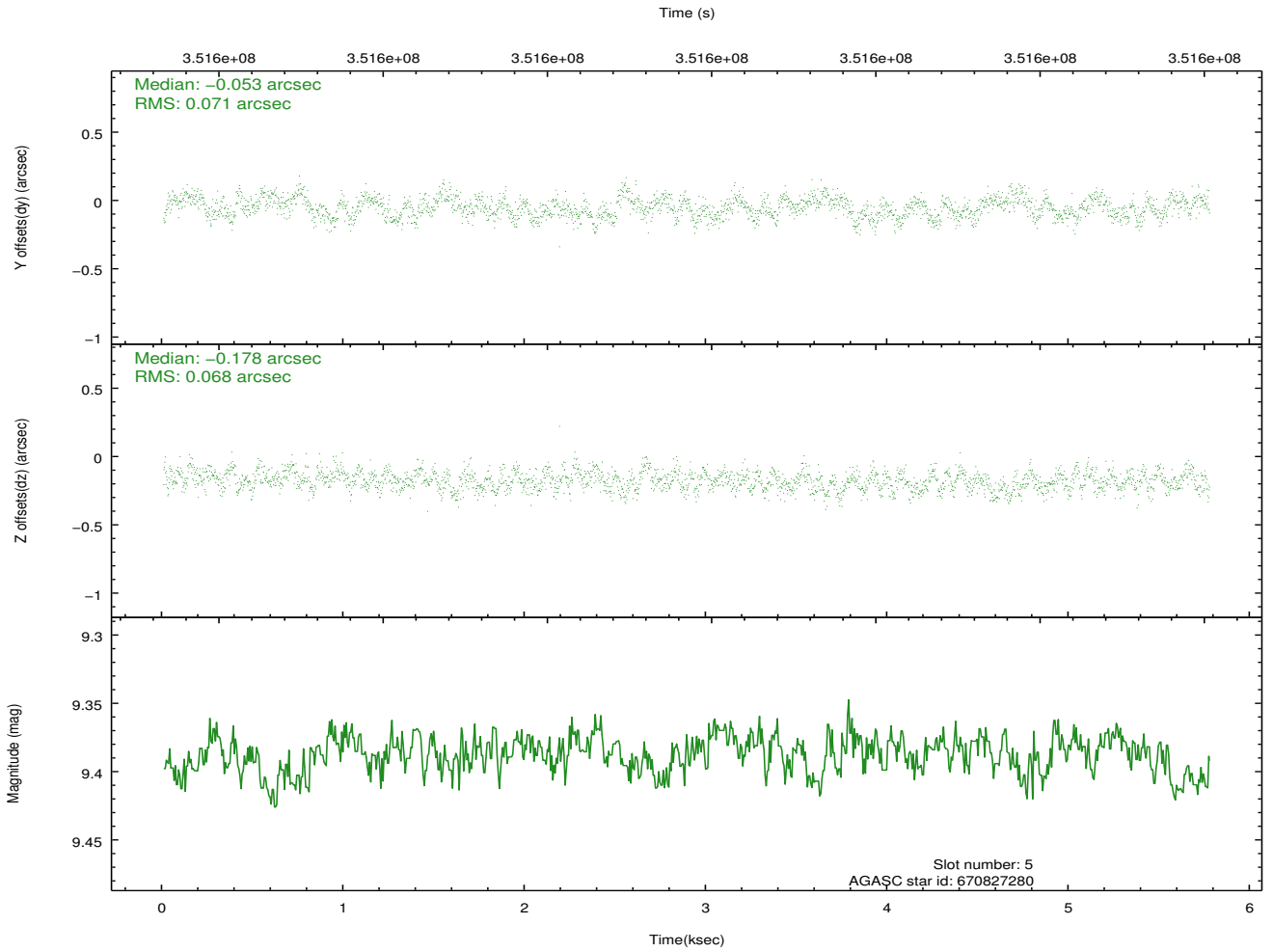
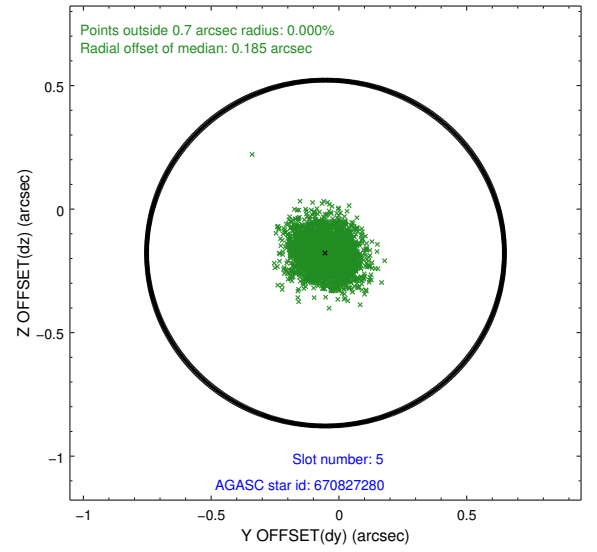
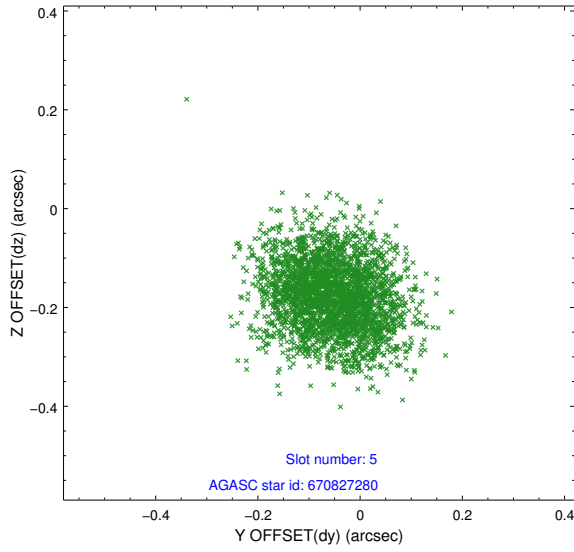
2.4.1 Slot 3



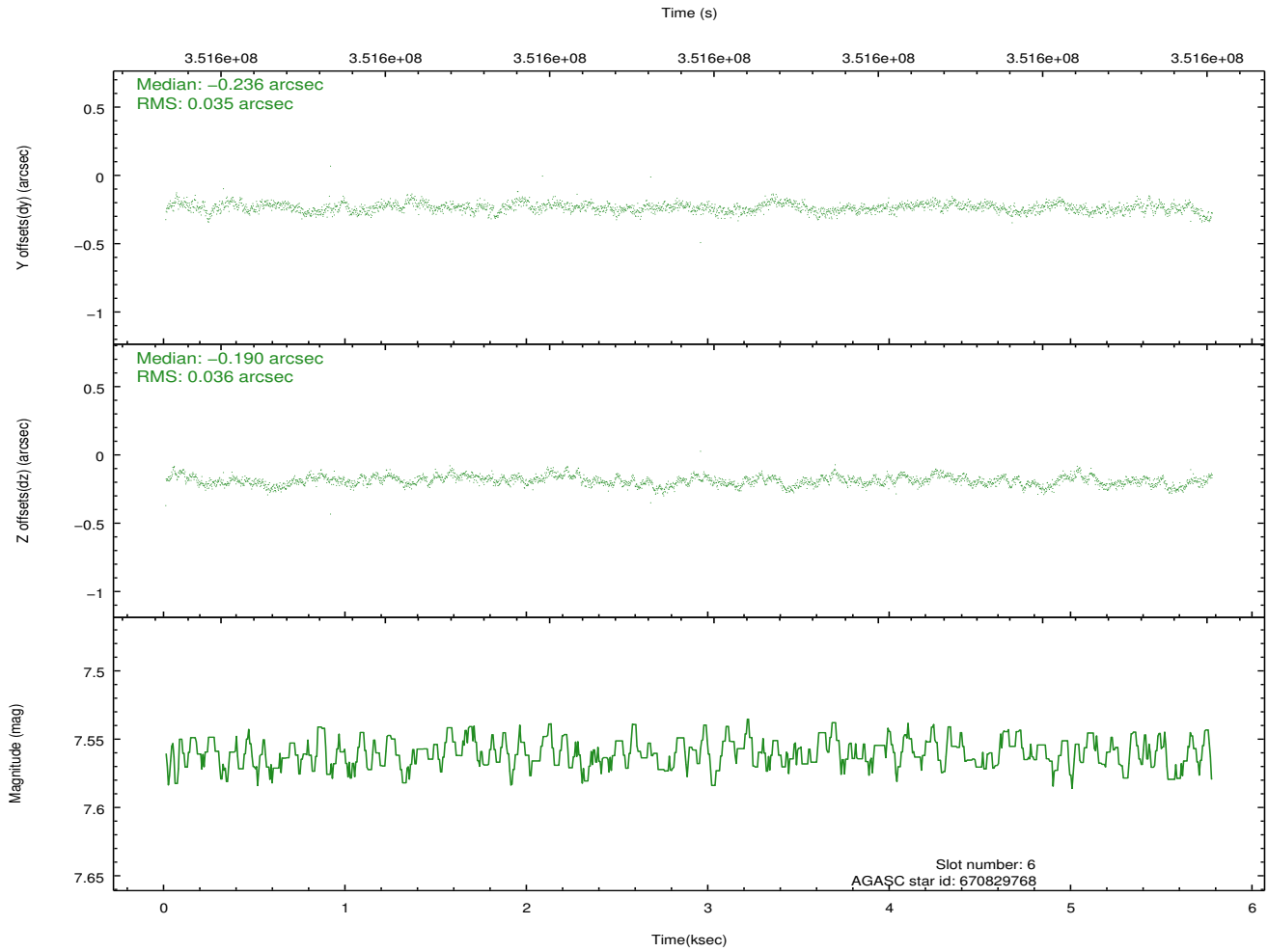
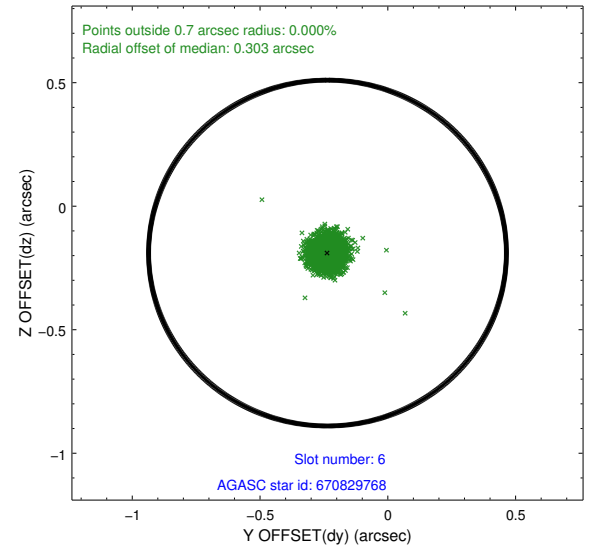
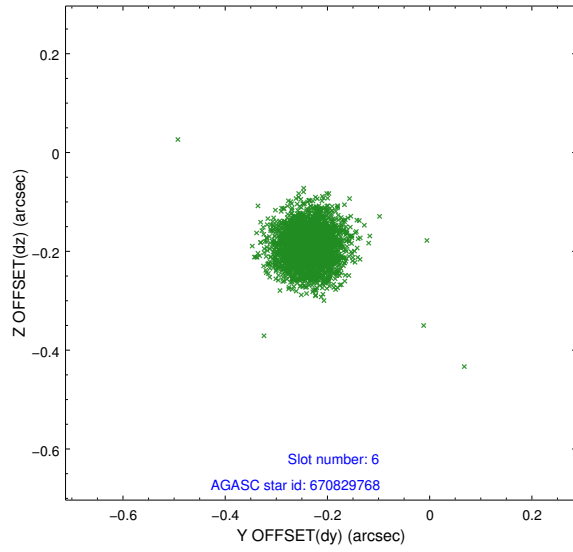
2.4.2 Slot 4



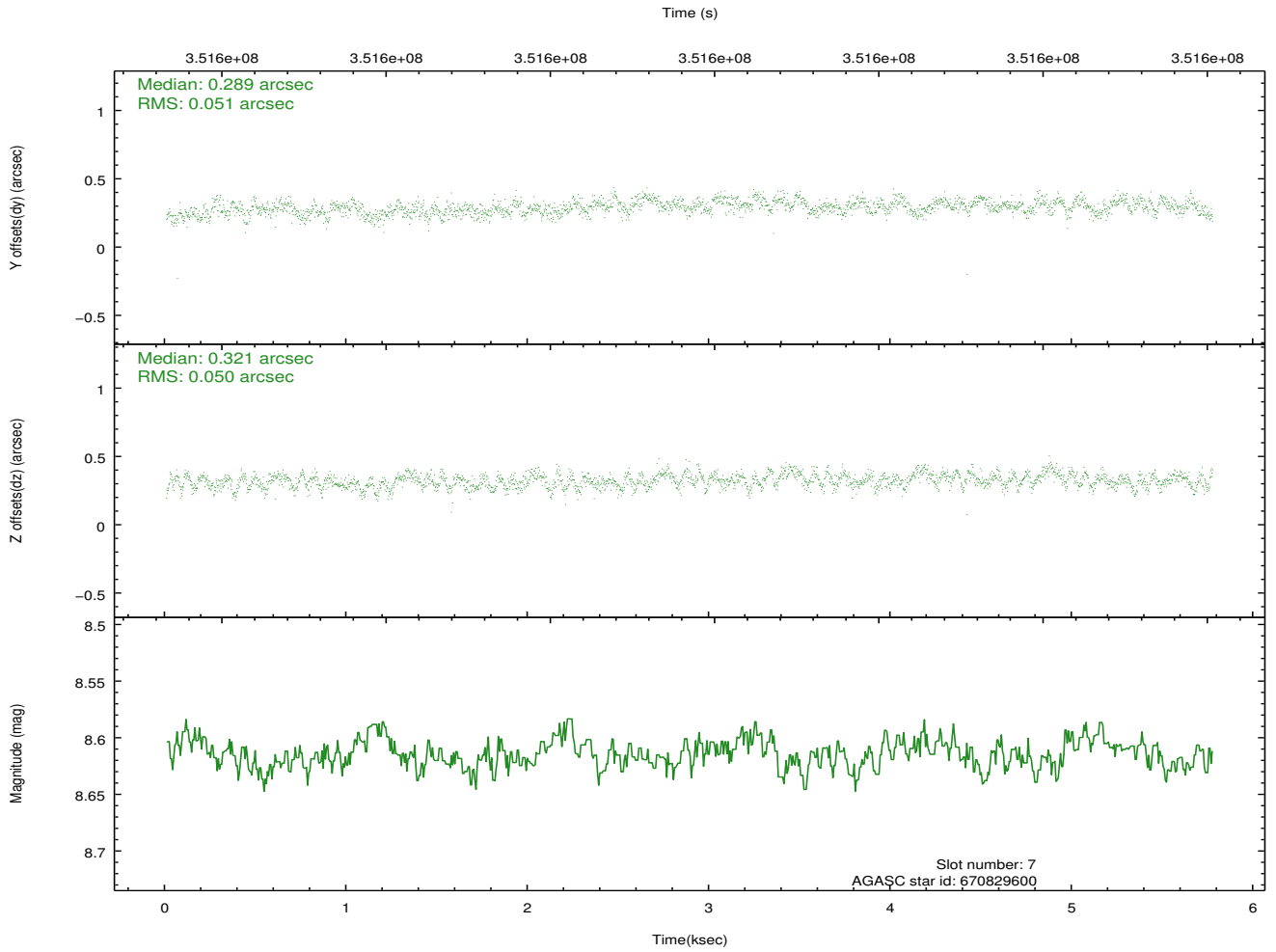
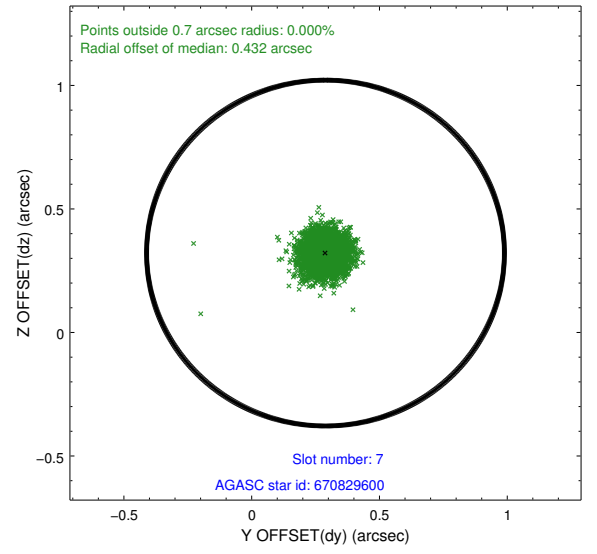
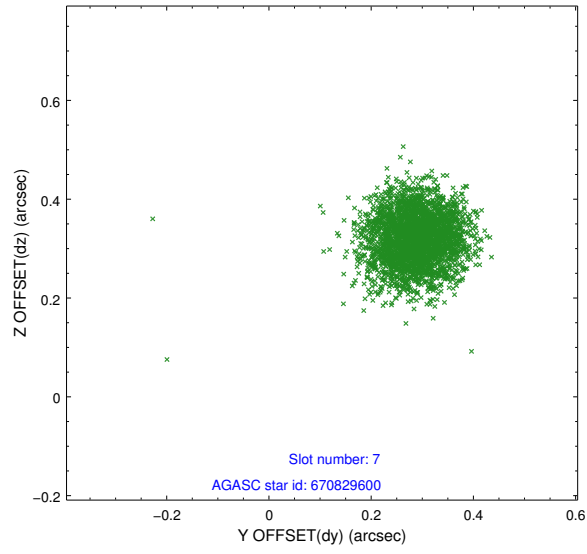
2.4.3 Slot 5



2.4.4 Slot 6

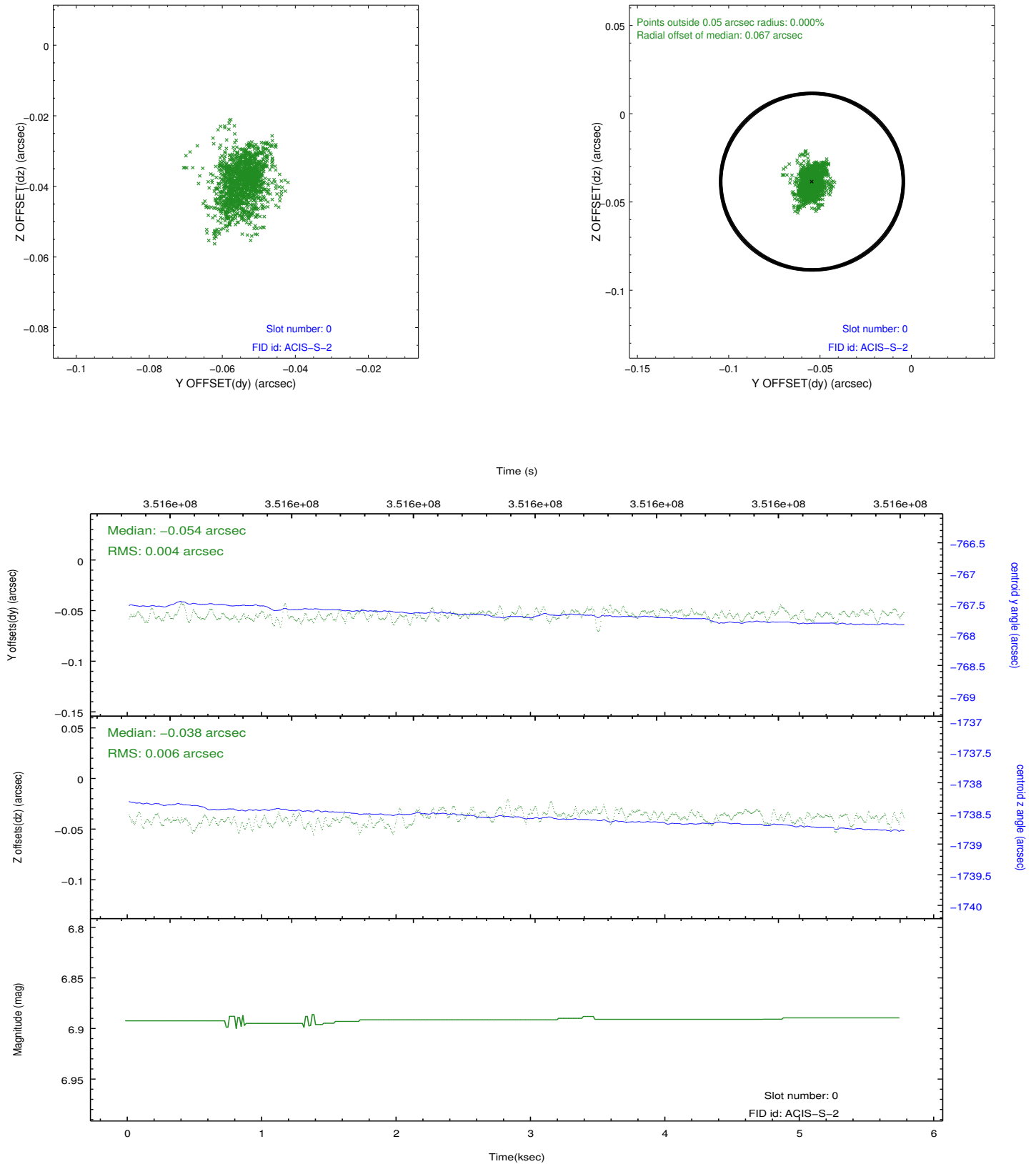


2.4.5 Slot 7

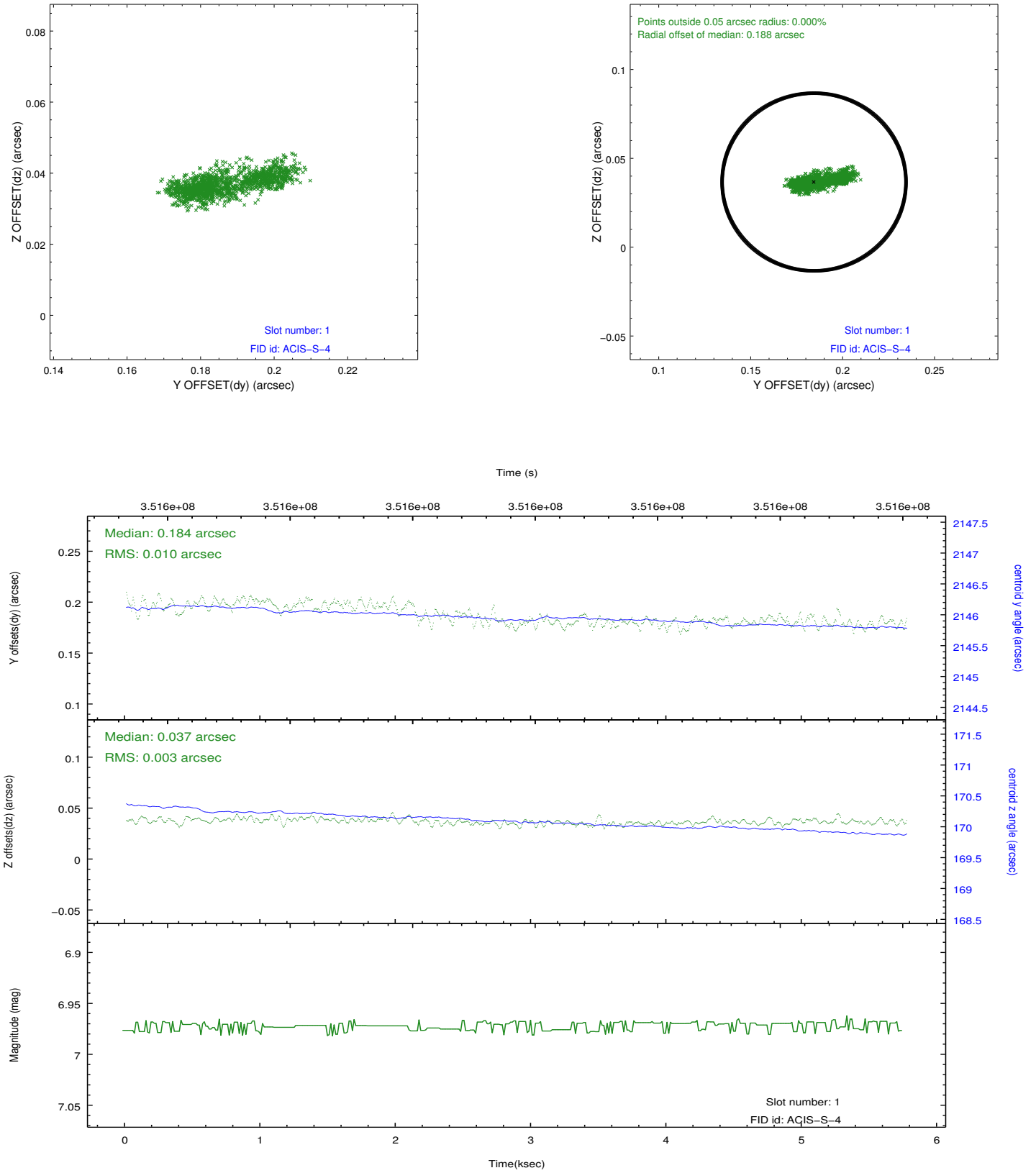


2.5 FID Slots

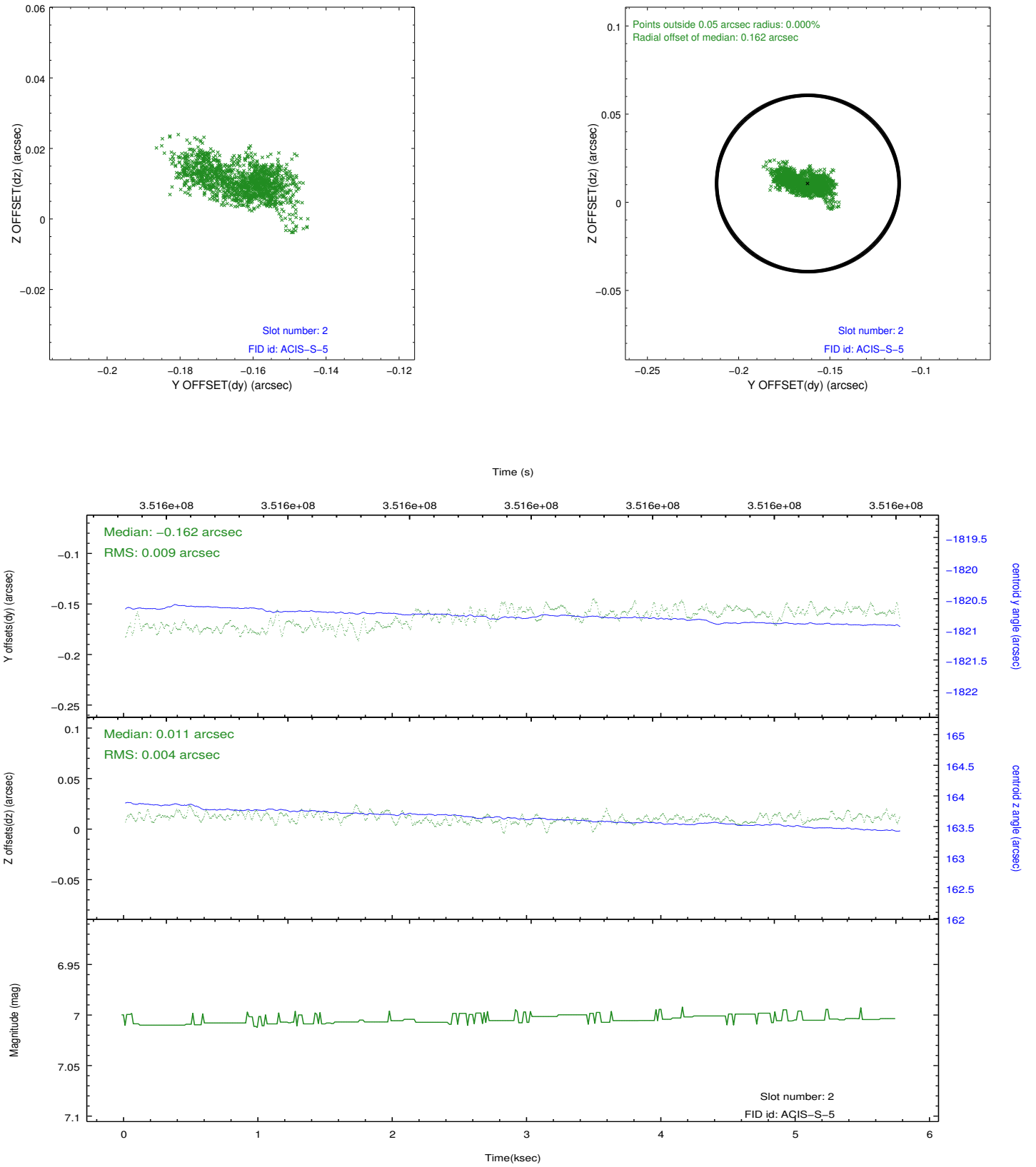
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.76319997

A.2 Comments