

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7519 - L2 Version 2
Chandra X-Ray Center

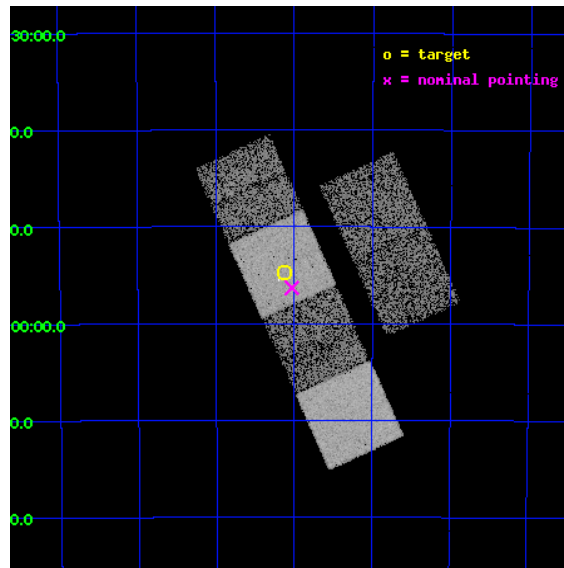
L2 Processing Date : Apr 25 2012

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1 Front

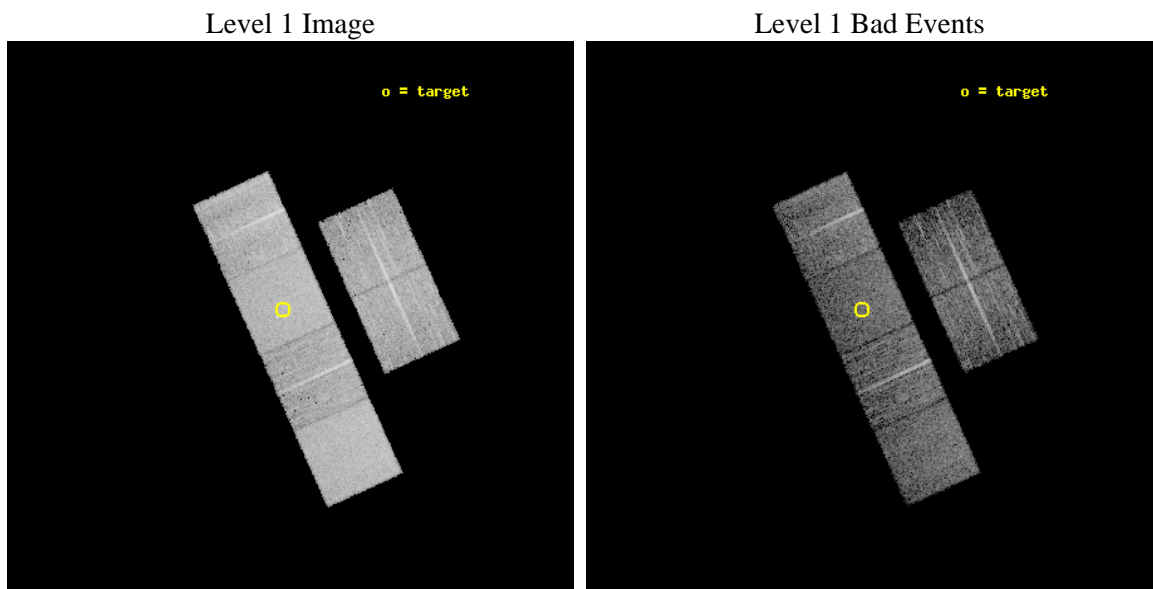
seq_num	400629	Sequence number
obs_id	7519	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J10101-5654	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	152.5325	Observer's specified target RA [deg]
dec_targ	-56.912889	Observer's specified target Dec [deg]
ra_nom	152.50782701425	Nominal RA [deg]
dec_nom	-56.938804440599	Nominal Dec [deg]
roll_nom	245.68583075073	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4756.970313549	Sum of GTIs [s]
livetime	4696.7346911352	Livetime [s]
ontime2	4753.7703832388	Sum of GTIs [s]
ontime3	4756.8471935391	Sum of GTIs [s]
ontime5	4756.9292735457	Sum of GTIs [s]
ontime6	4756.8882335424	Sum of GTIs [s]
ontime7	4756.970313549	Sum of GTIs [s]
ontime8	4753.5650936365	Sum of GTIs [s]
l2events	74689	Number of level 2 events



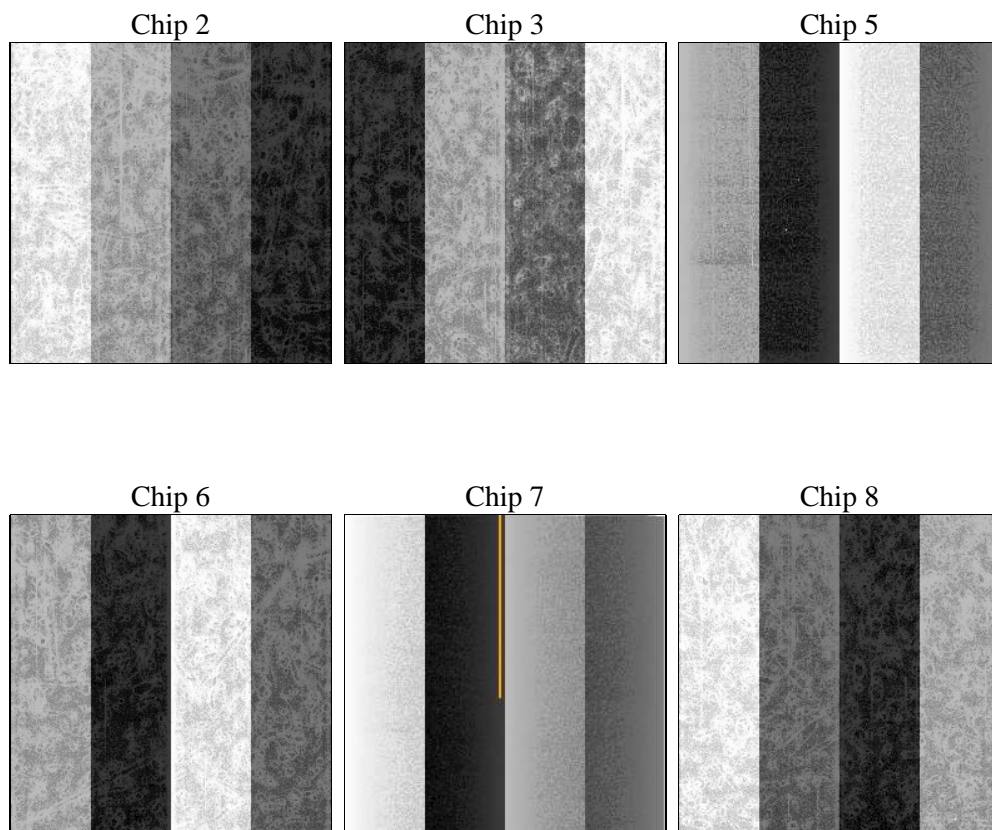
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4756.970313549	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4753.7703832388	Sum of GTIs [s]
date	2012-04-25T21:06:57	Date and time of file creation	ontime3	4756.8471935391	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4756.9292735457	Sum of GTIs [s]
			ontime6	4756.8882335424	Sum of GTIs [s]
			ontime7	4756.970313549	Sum of GTIs [s]
			ontime8	4753.5650936365	Sum of GTIs [s]
			l1events	323194	Number of level 1 events

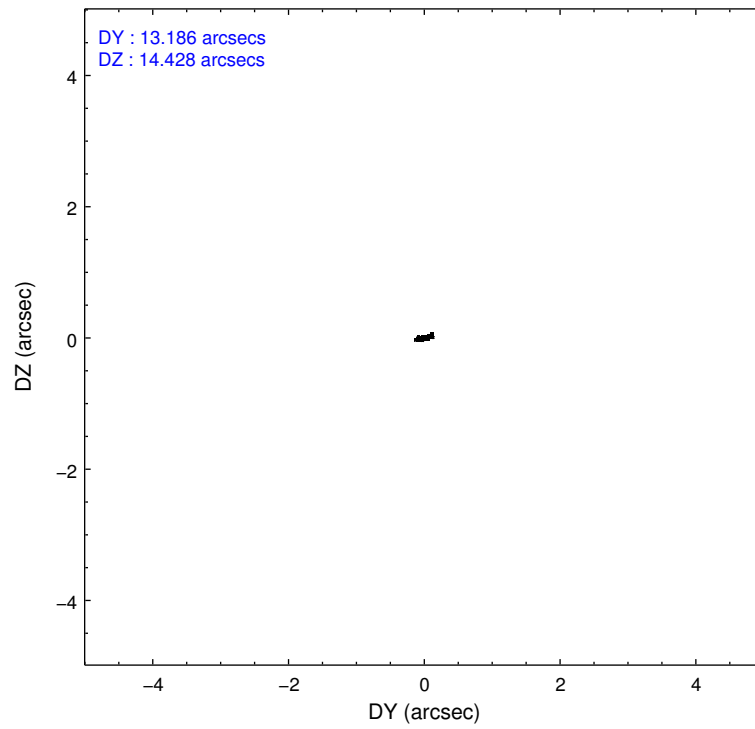
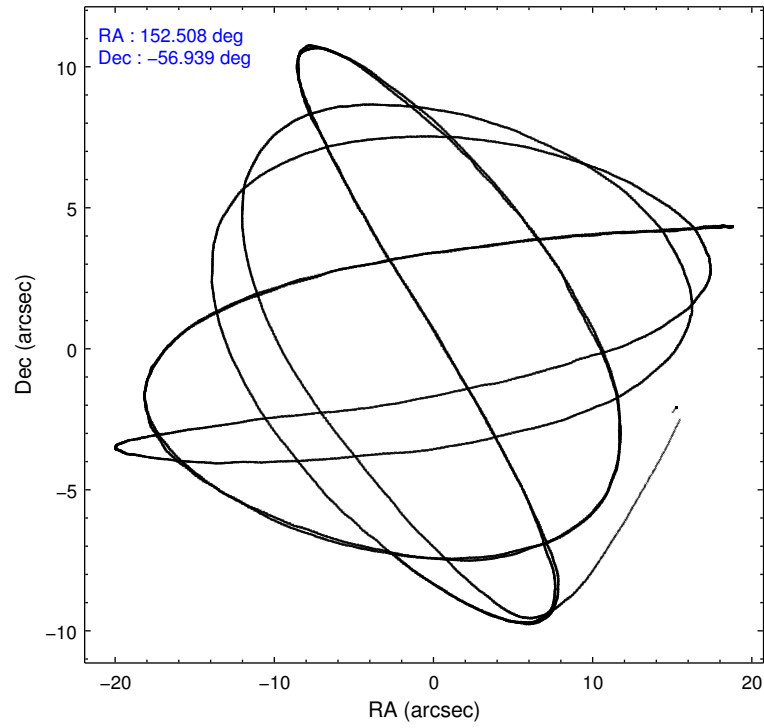
2.1.4 Events

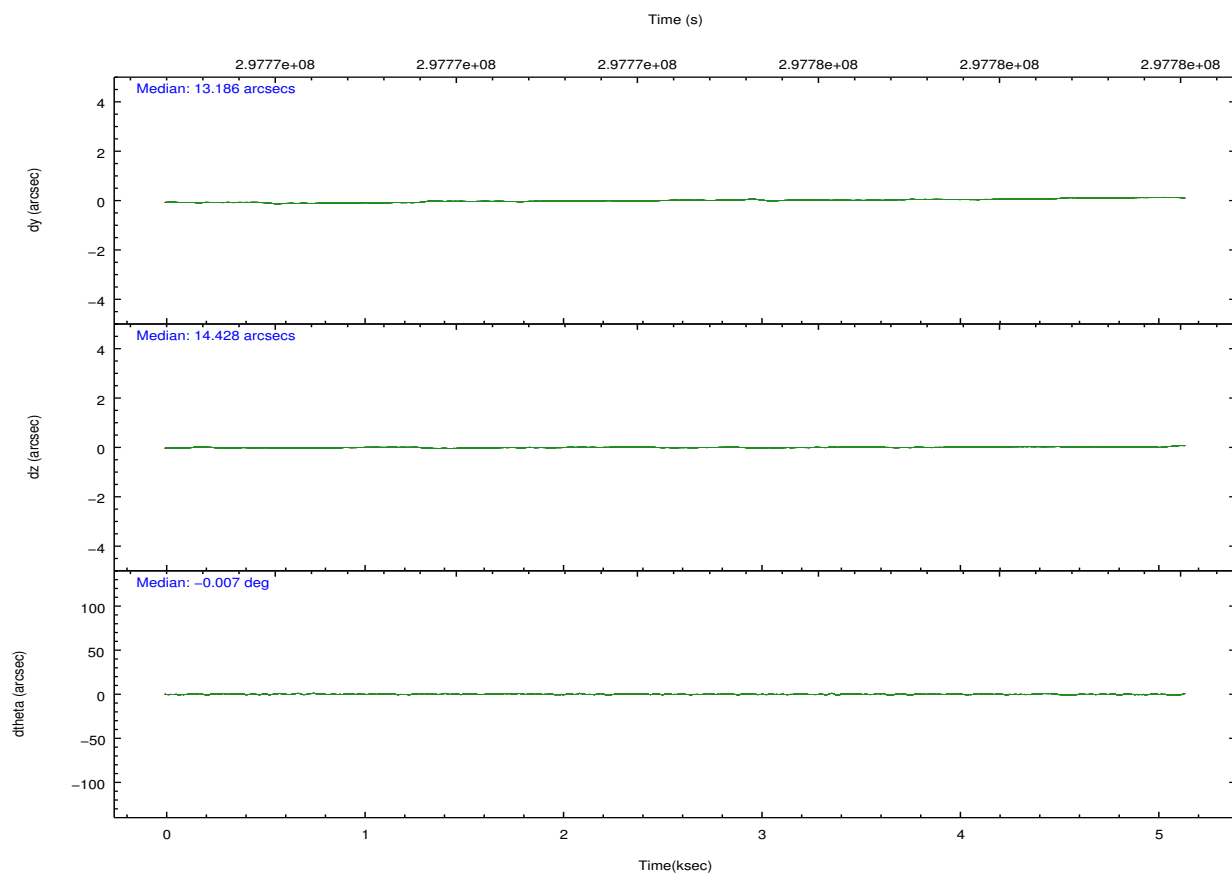
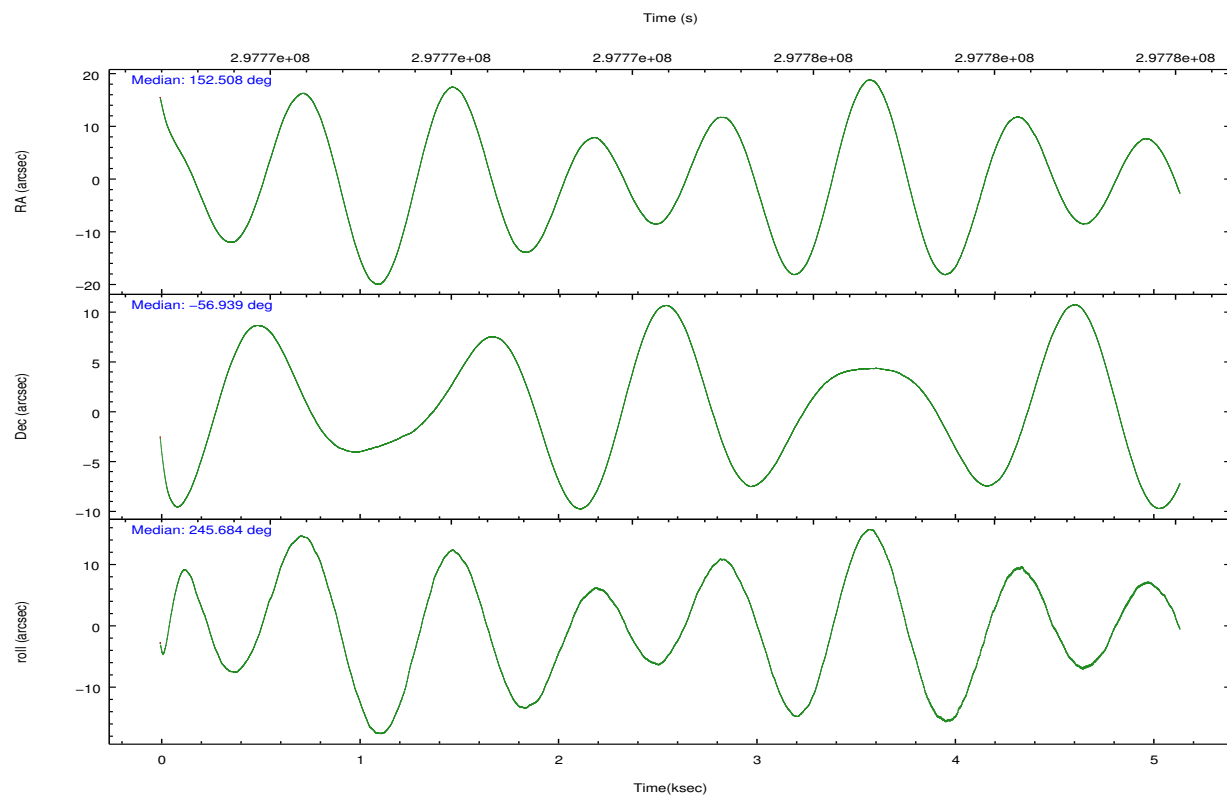
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46058	42513	67549	45194	62735	59145	grade 0 events	2337	2279	1756	2184	2362	3939
rejected events	40883	37333	37131	39630	36421	46993		5%	5%	2%	4%	3%	6%
rejected %	88%	87%	54%	87%	58%	79%	grade 1 events	30	33	76	30	52	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	1059	1001	9569	1228	5444	2739
								2%	2%	14%	2%	8%	4%
							grade 3 events	461	482	1221	493	2277	1234
								1%	1%	1%	1%	3%	2%
							grade 4 events	500	473	1101	527	2270	1136
								1%	1%	1%	1%	3%	1%
							grade 5 events	1775	2009	4855	2033	5949	2657
								3%	4%	7%	4%	9%	4%
							grade 6 events	820	948	16799	1134	13983	3112
								1%	2%	24%	2%	22%	5%
							grade 7 events	39076	35288	32172	37565	30398	44285
								84%	83%	47%	83%	48%	74%

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	152.502073	152.5078270142519	CCD I2 on	O2	Y
[deg] Pointing Dec	-56.911564	-56.93880444059871	CCD I3 on	Y	Y
[deg] Pointing Roll	245.524437	245.6858307507319	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	Y	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	Y	Y
[s] Observation start time (MET)	297771781.184000	297770315.4481	CCD S5 on	N	N
Observation start date	2007-06-09T10:21:56	2007-06-09T09:58:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	297776781.184000	297777437.14844	On-chip summing requested	N	N
Observation end date	2007-06-09T11:45:16	2007-06-09T11:57:17	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



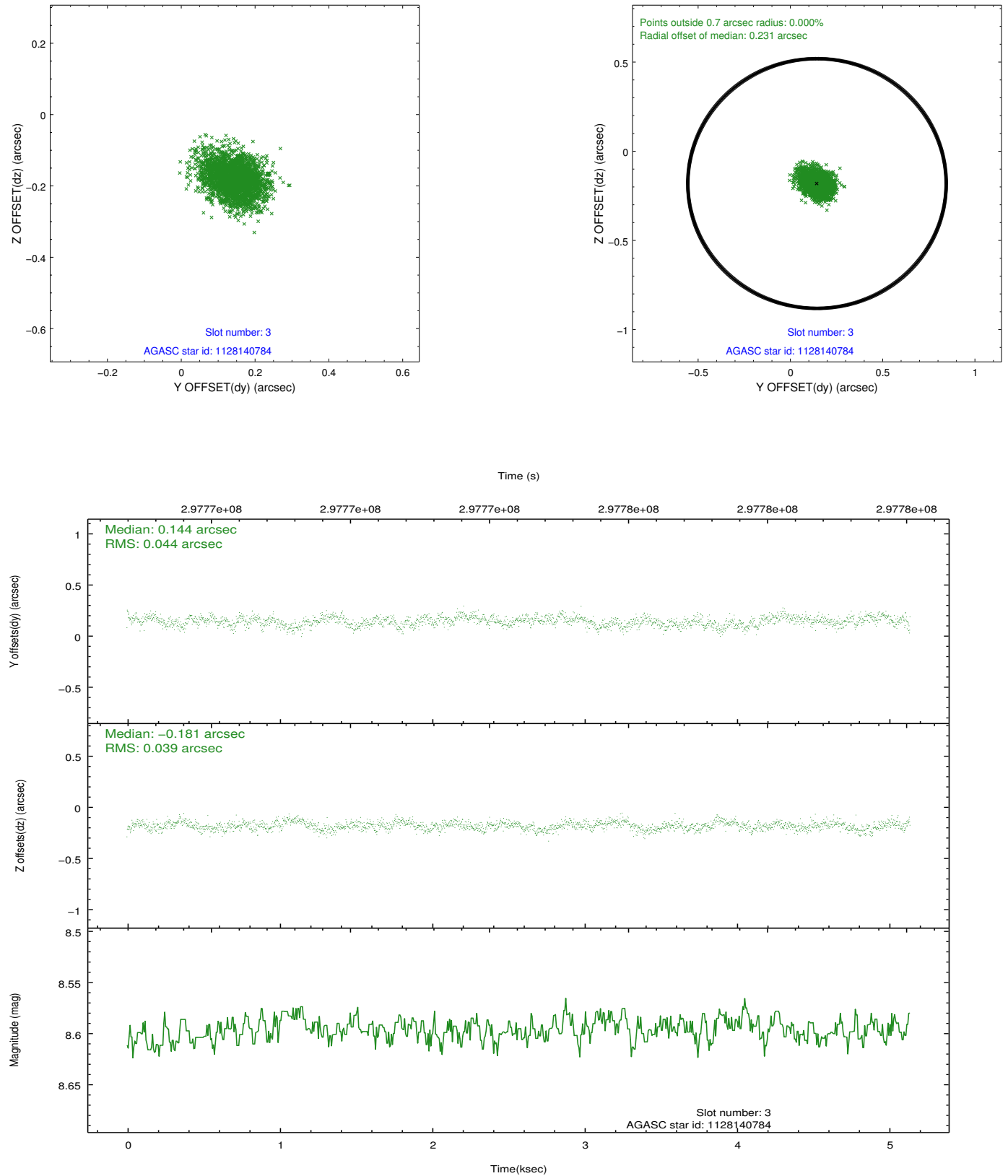


Slot Statistics

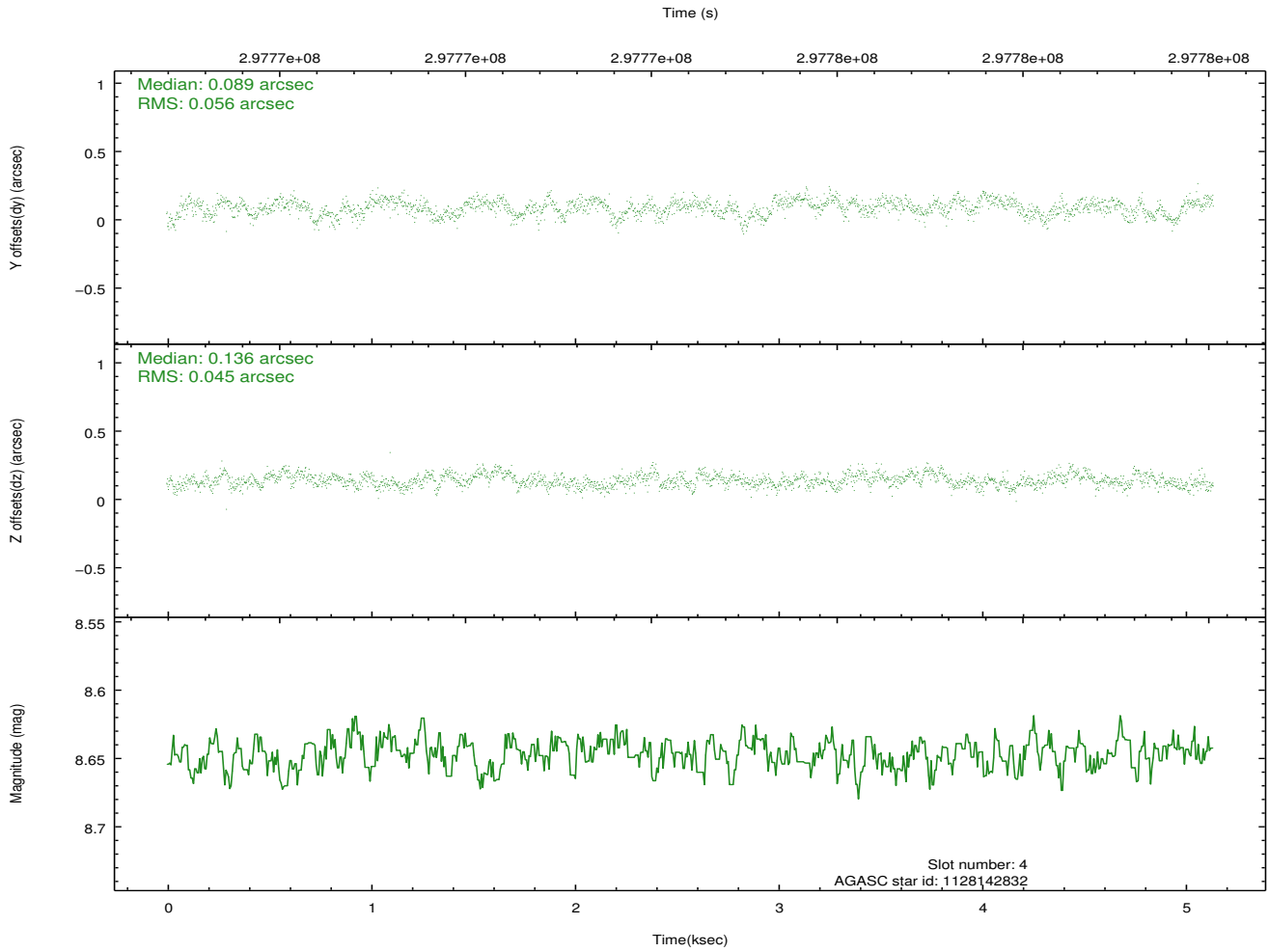
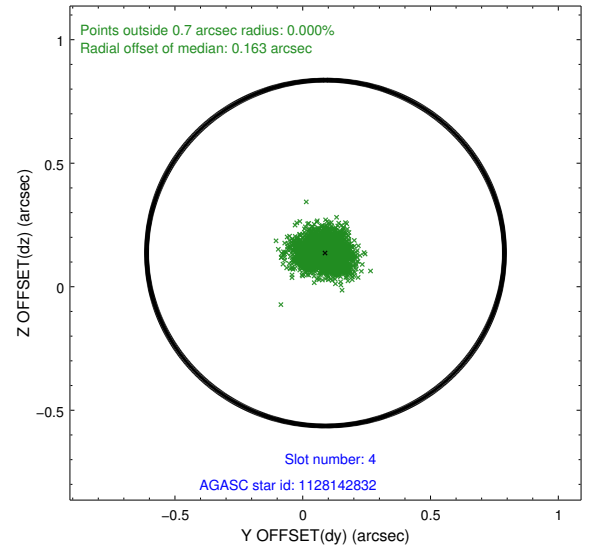
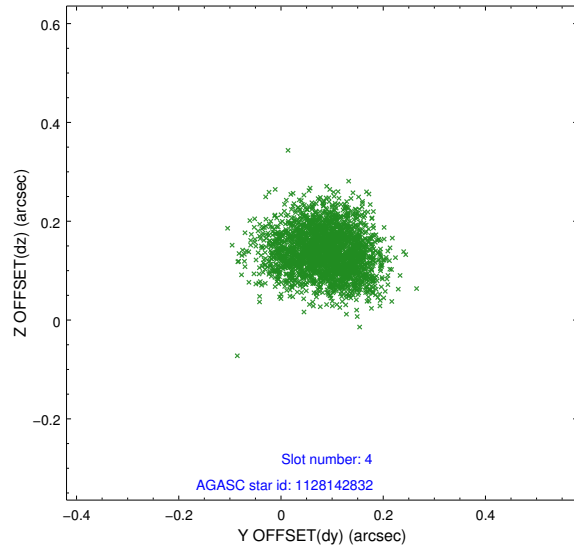
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1254	0.127	-0.048	0.006	0.010	0.000000	0.000000	930.10	-1731.45
1	FID	ACIS-S-2	7.09	1254	-0.055	-0.025	0.007	0.011	0.000000	0.000000	-765.33	-1737.24
2	FID	ACIS-S-5	7.22	1254	-0.096	0.079	0.006	0.011	0.000000	0.000000	-1819.86	164.95
3	GUIDE	1128140784	8.60	2508	0.144	-0.181	0.063	0.102	152.602409	-57.559003	2041.36	1141.84
4	GUIDE	1128142832	8.65	2507	0.089	0.136	0.076	0.122	151.690539	-57.394211	2243.11	-708.65
5	GUIDE	1128147856	7.80	2507	-0.008	0.063	0.063	0.096	152.455935	-56.670604	-750.70	-442.85
6	GUIDE	1128144304	8.64	2508	-0.150	-0.044	0.063	0.100	153.015776	-56.507857	-1742.46	327.81
7	GUIDE	1128278048	8.75	2504	-0.074	0.026	0.069	0.116	153.754126	-56.669460	-1799.50	1902.25

2.4 Star Slots

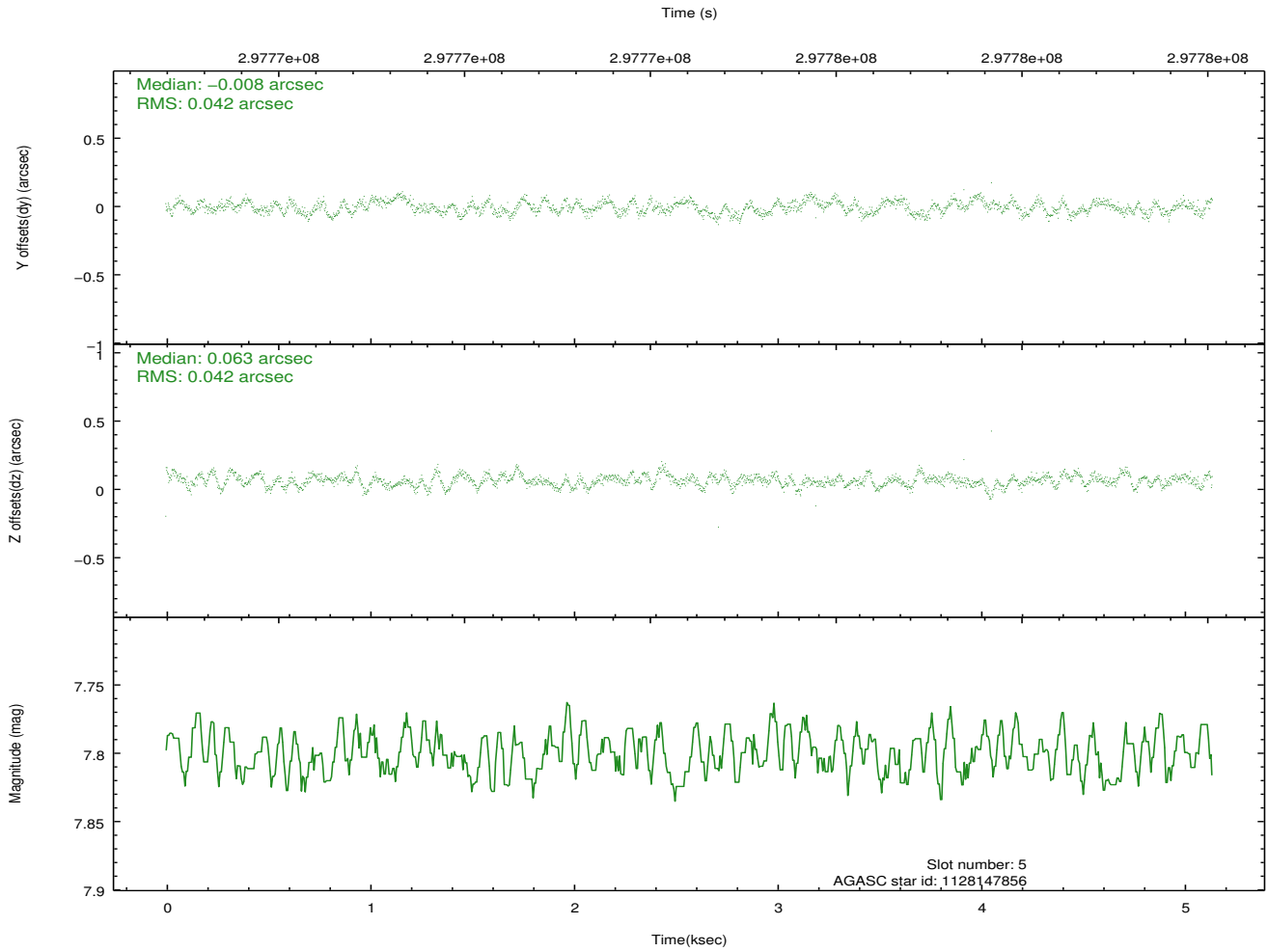
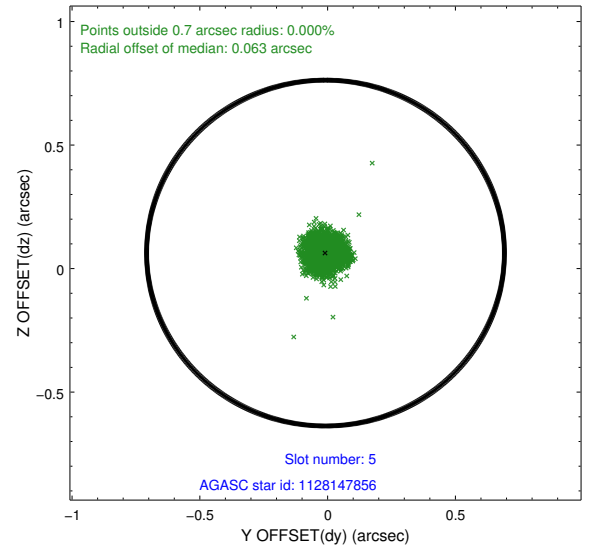
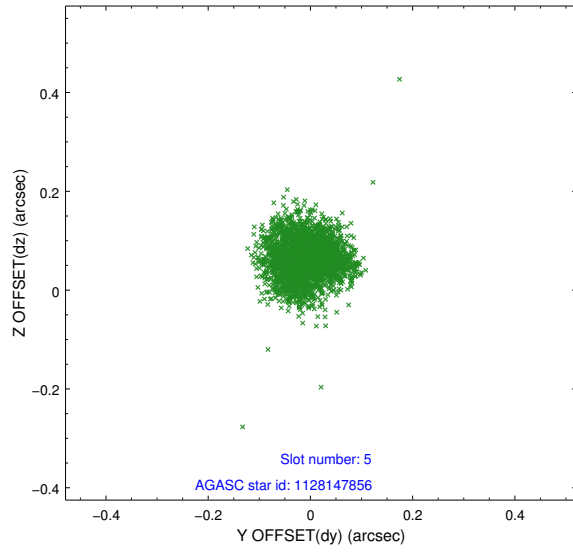
2.4.1 Slot 3



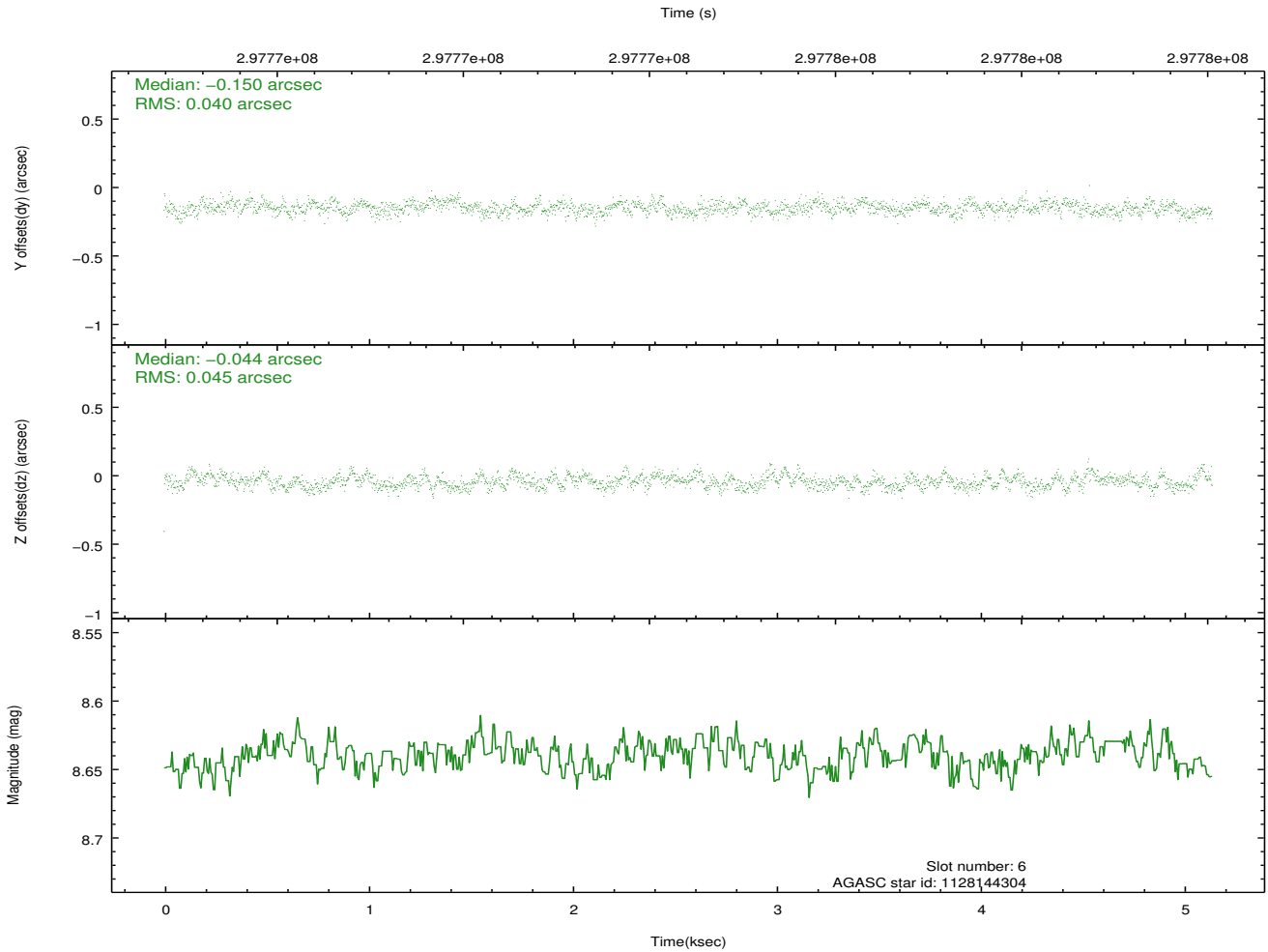
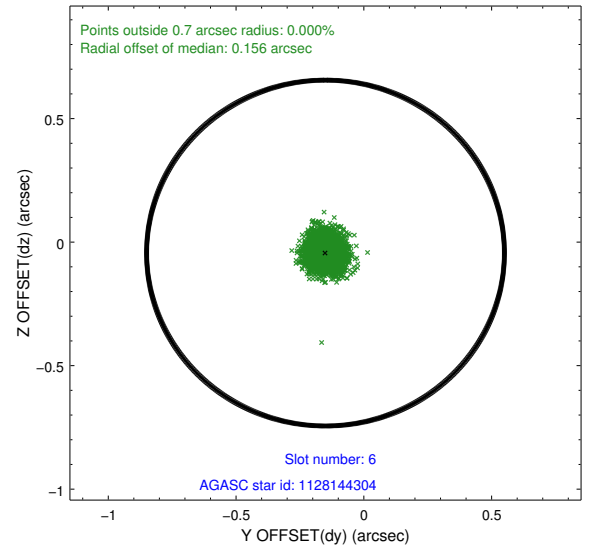
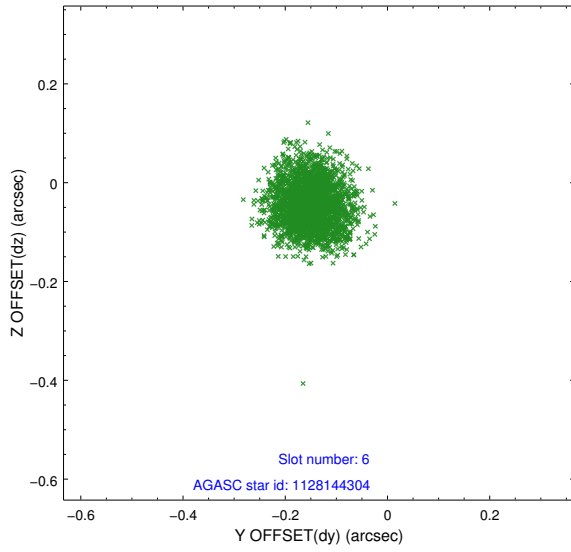
2.4.2 Slot 4



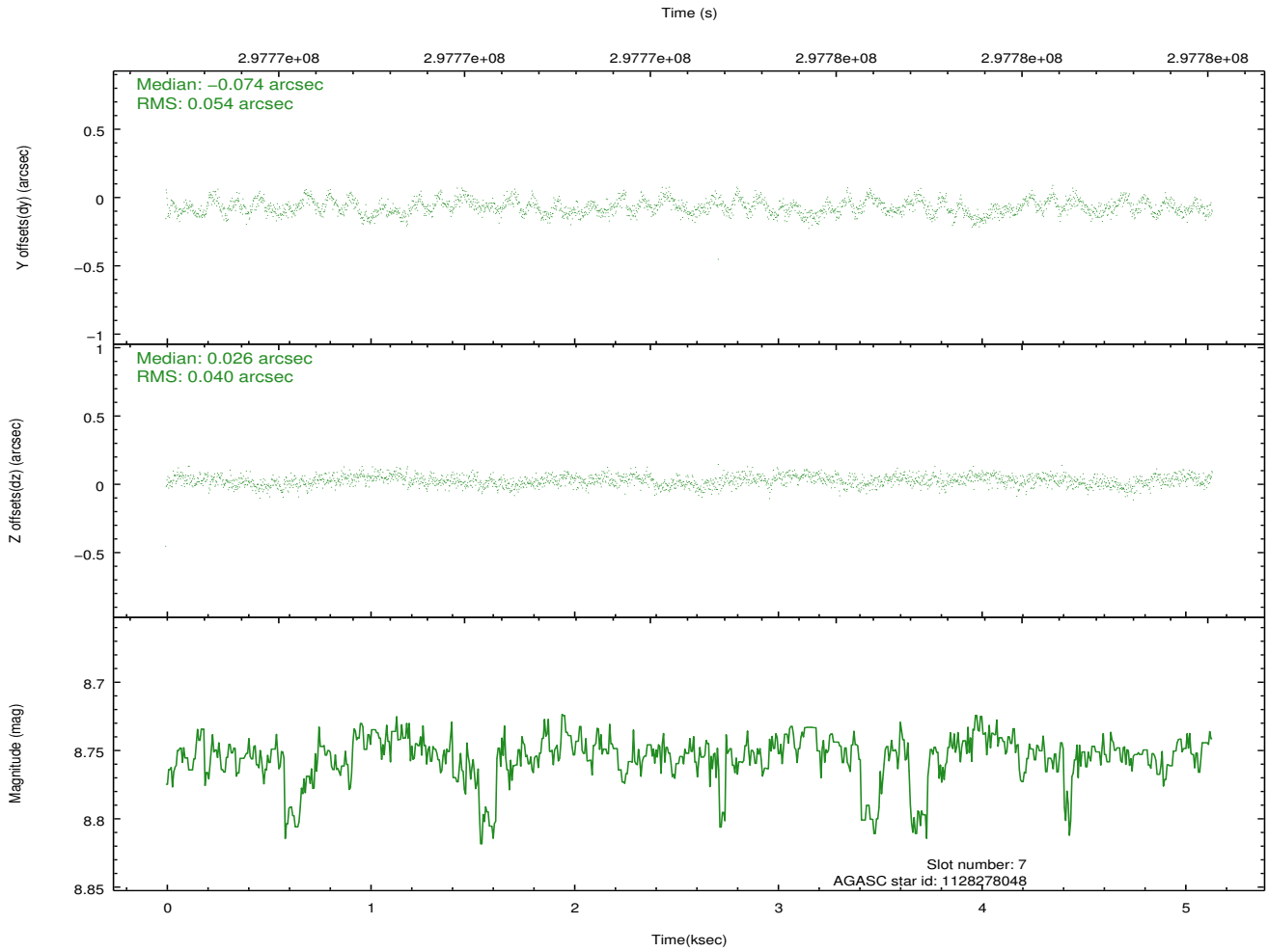
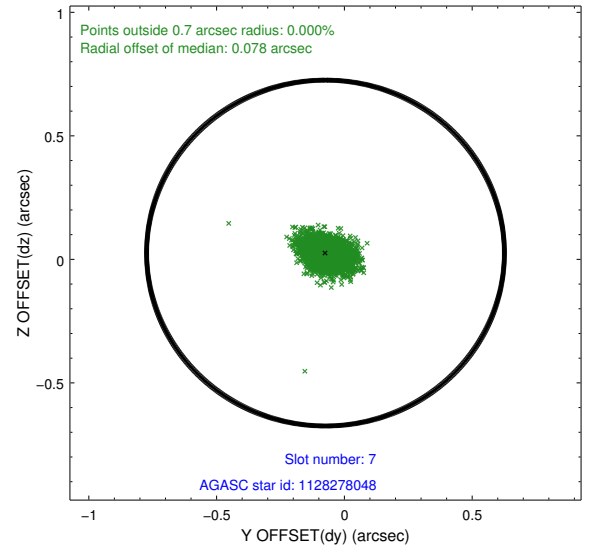
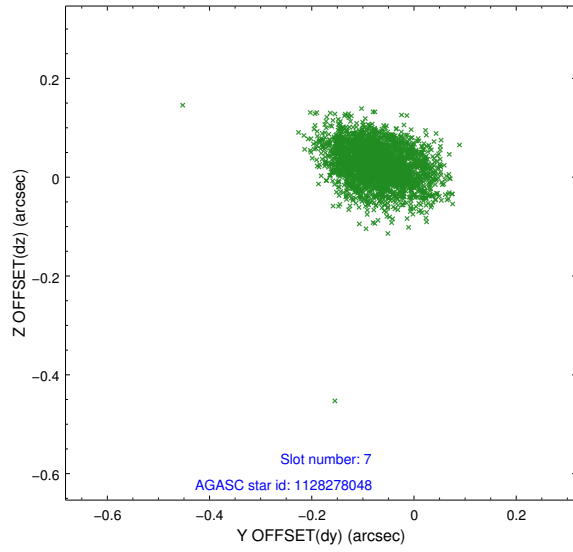
2.4.3 Slot 5



2.4.4 Slot 6

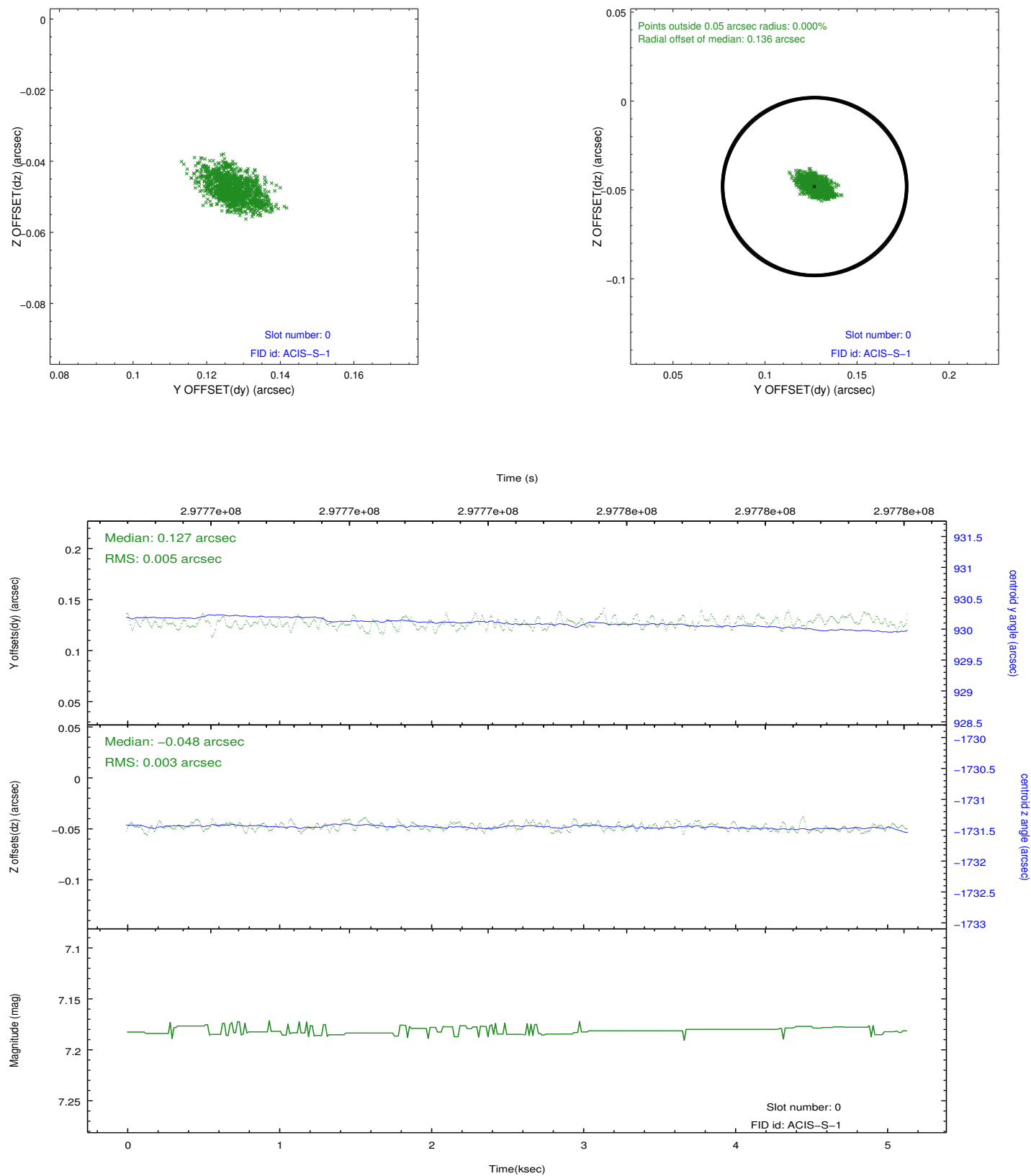


2.4.5 Slot 7

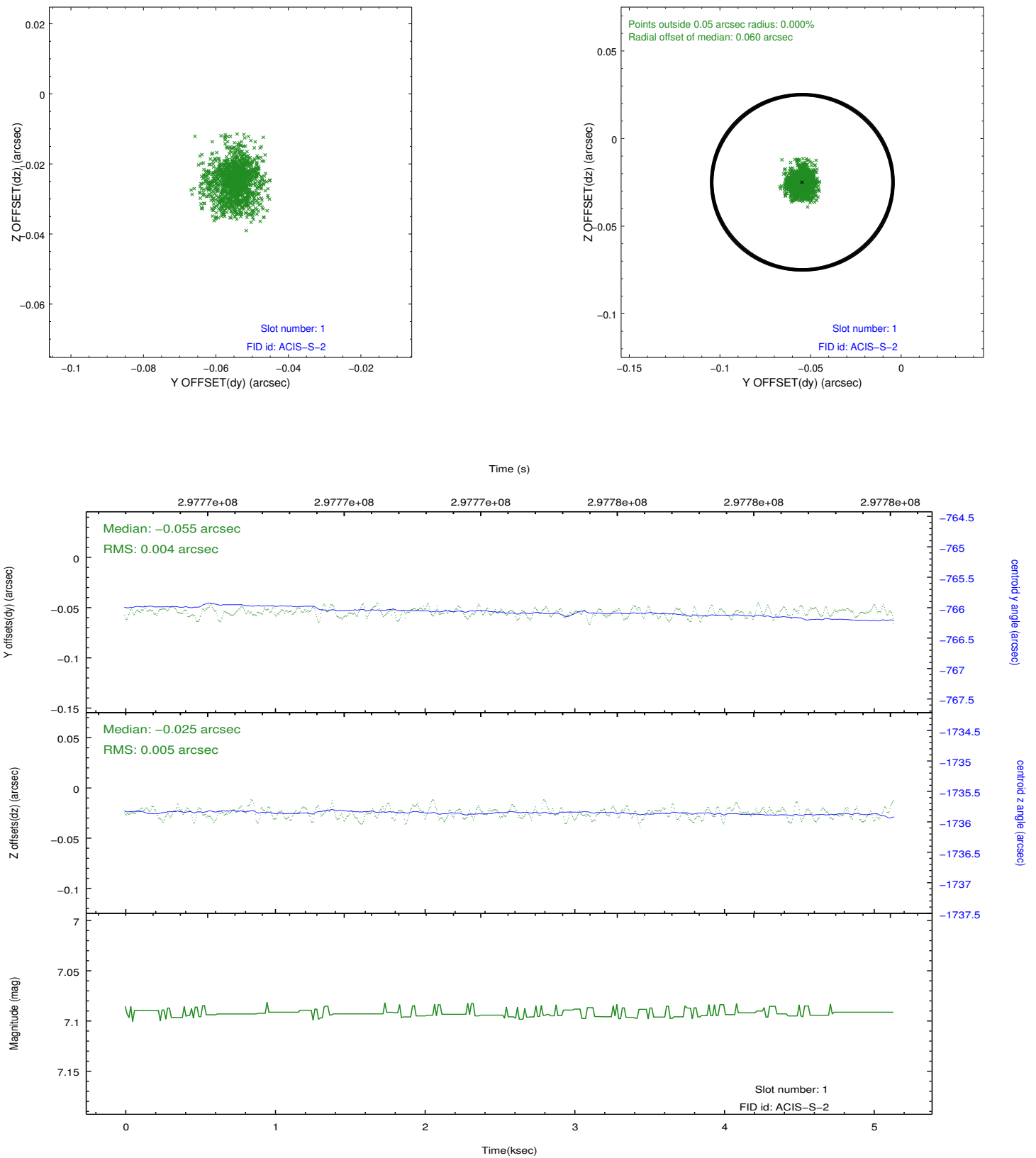


2.5 FID Slots

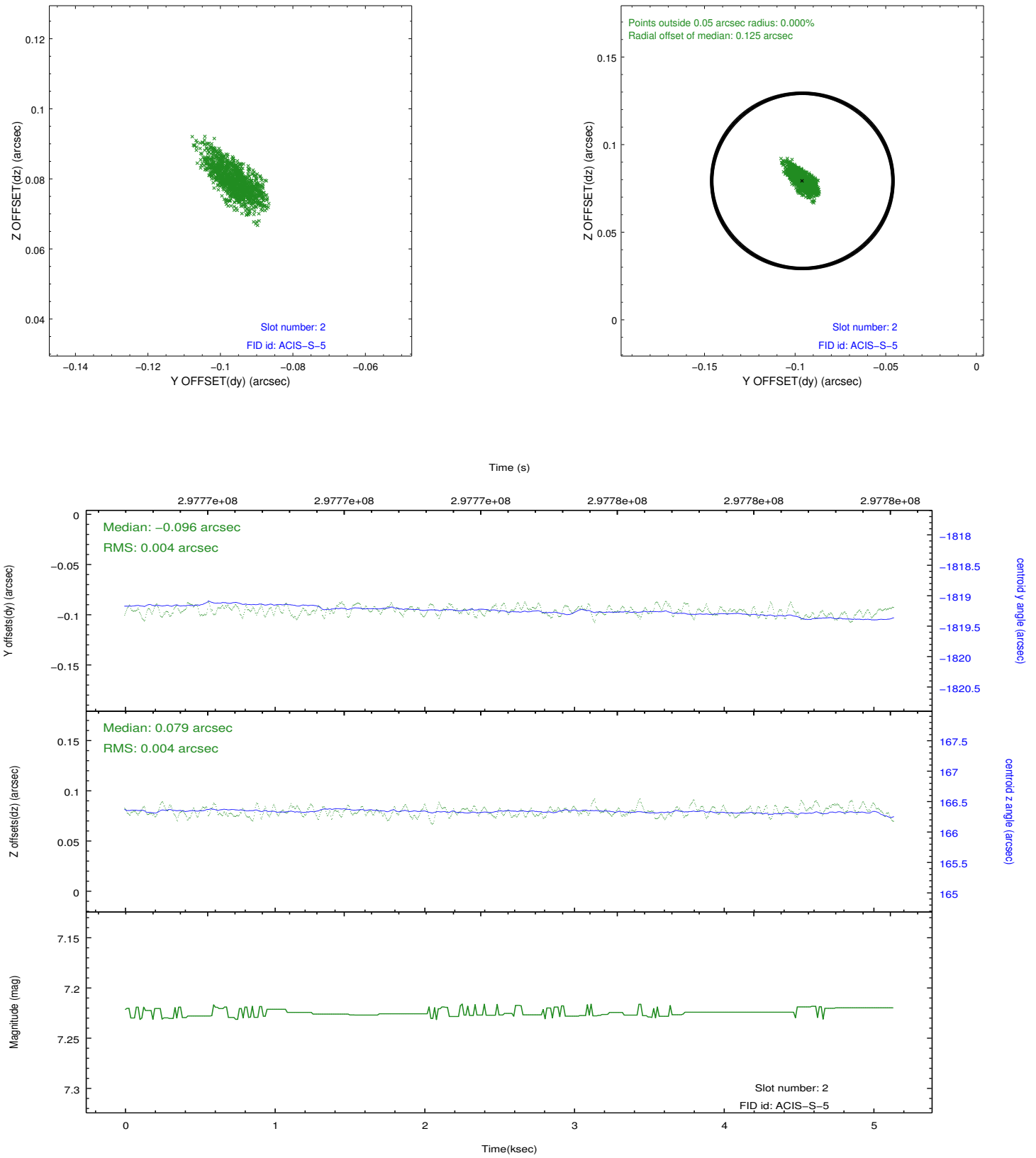
2.5.1 Slot 0



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)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75839998

A.2 Comments