

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7521 - L2 Version 2
Chandra X-Ray Center

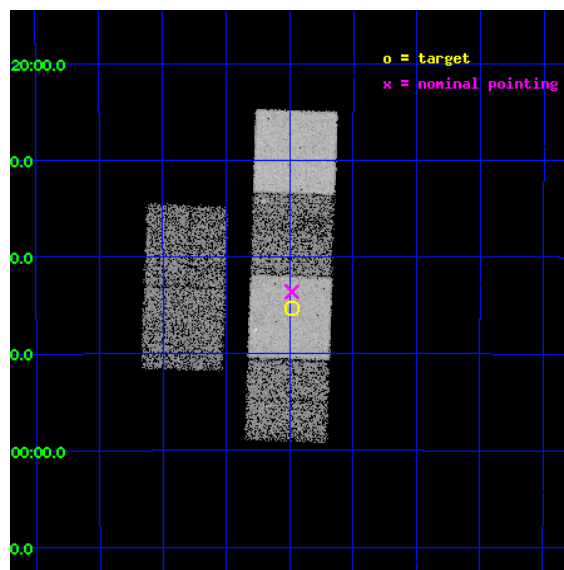
L2 Processing Date : May 9 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

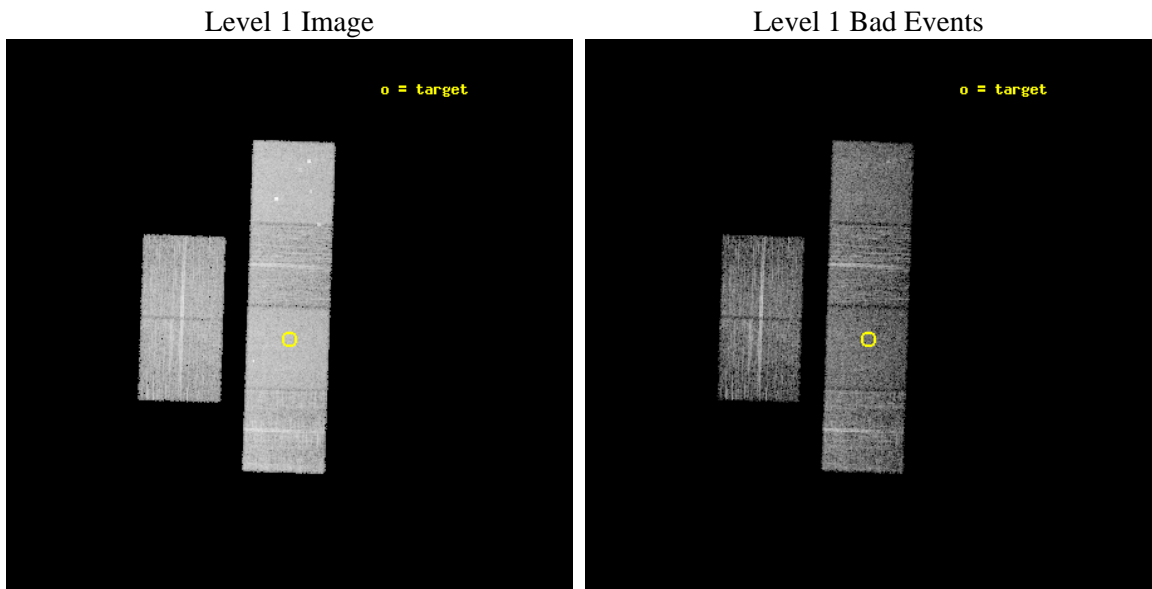
seq_num	400631	Sequence number
obs_id	7521	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J17445-2747	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.12	Observer's specified target RA [deg]
dec_targ	-27.756	Observer's specified target Dec [deg]
ra_nom	266.12084194918	Nominal RA [deg]
dec_nom	-27.726922531968	Nominal Dec [deg]
roll_nom	91.871605804992	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4949.5704298615	Sum of GTIs [s]
livetime	4886.8959888051	Livetime [s]
ontime2	4949.6114698648	Sum of GTIs [s]
ontime3	4949.4473098516	Sum of GTIs [s]
ontime5	4949.5293898582	Sum of GTIs [s]
ontime6	4949.4883498549	Sum of GTIs [s]
ontime7	4949.5704298615	Sum of GTIs [s]
ontime8	4949.4062698483	Sum of GTIs [s]
l2events	81261	Number of level 2 events



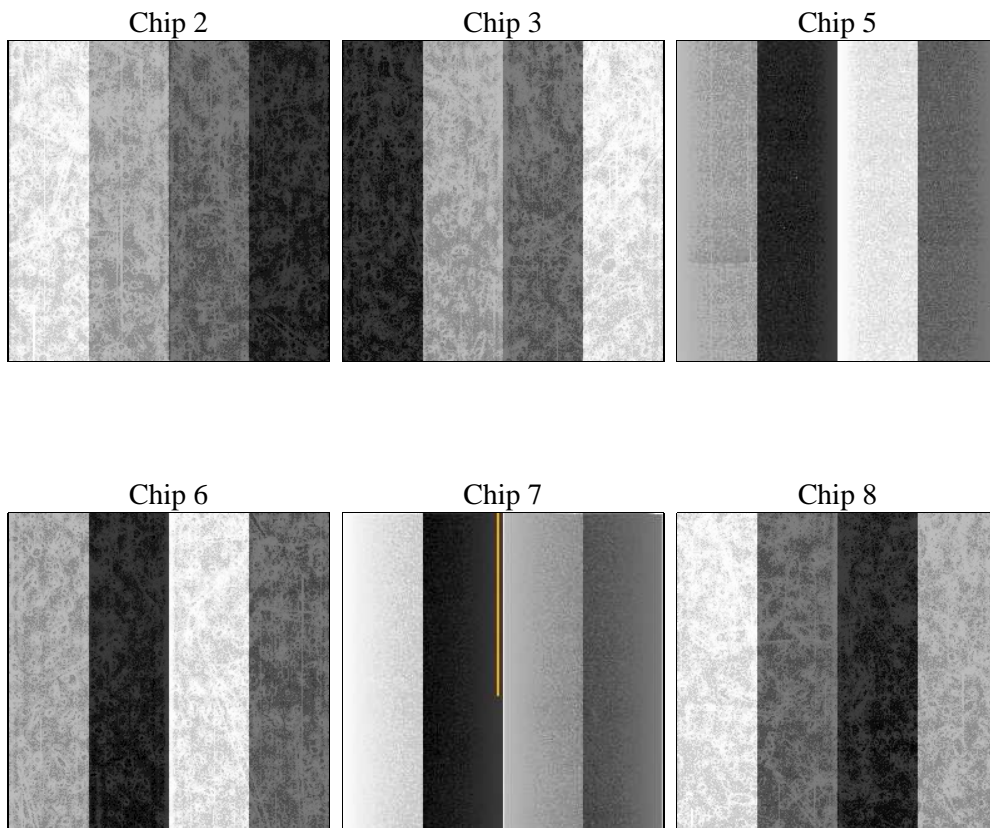
2 OBI

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	4949.5704298615	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4949.6114698648	Sum of GTIs [s]
date	2012-05-09T04:15:31	Date and time of file creation	ontime3	4949.4473098516	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4949.5293898582	Sum of GTIs [s]
			ontime6	4949.4883498549	Sum of GTIs [s]
			ontime7	4949.5704298615	Sum of GTIs [s]
			ontime8	4949.4062698483	Sum of GTIs [s]
			l1events	345244	Number of level 1 events

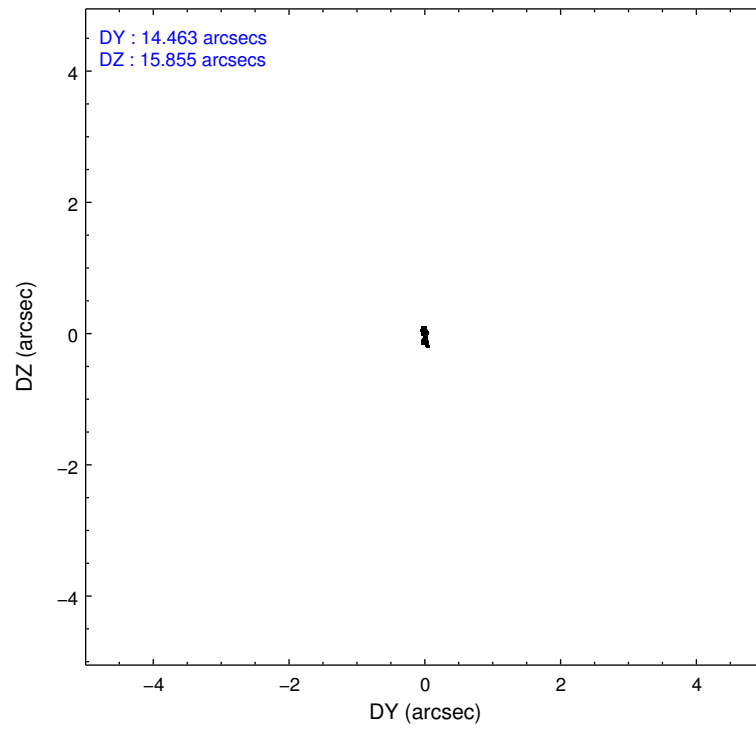
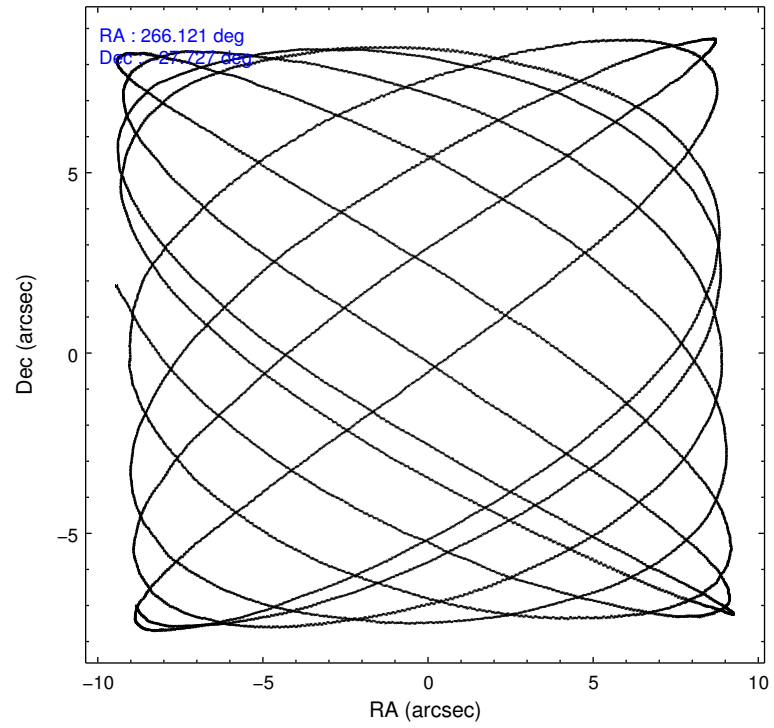
2.1.4 Events

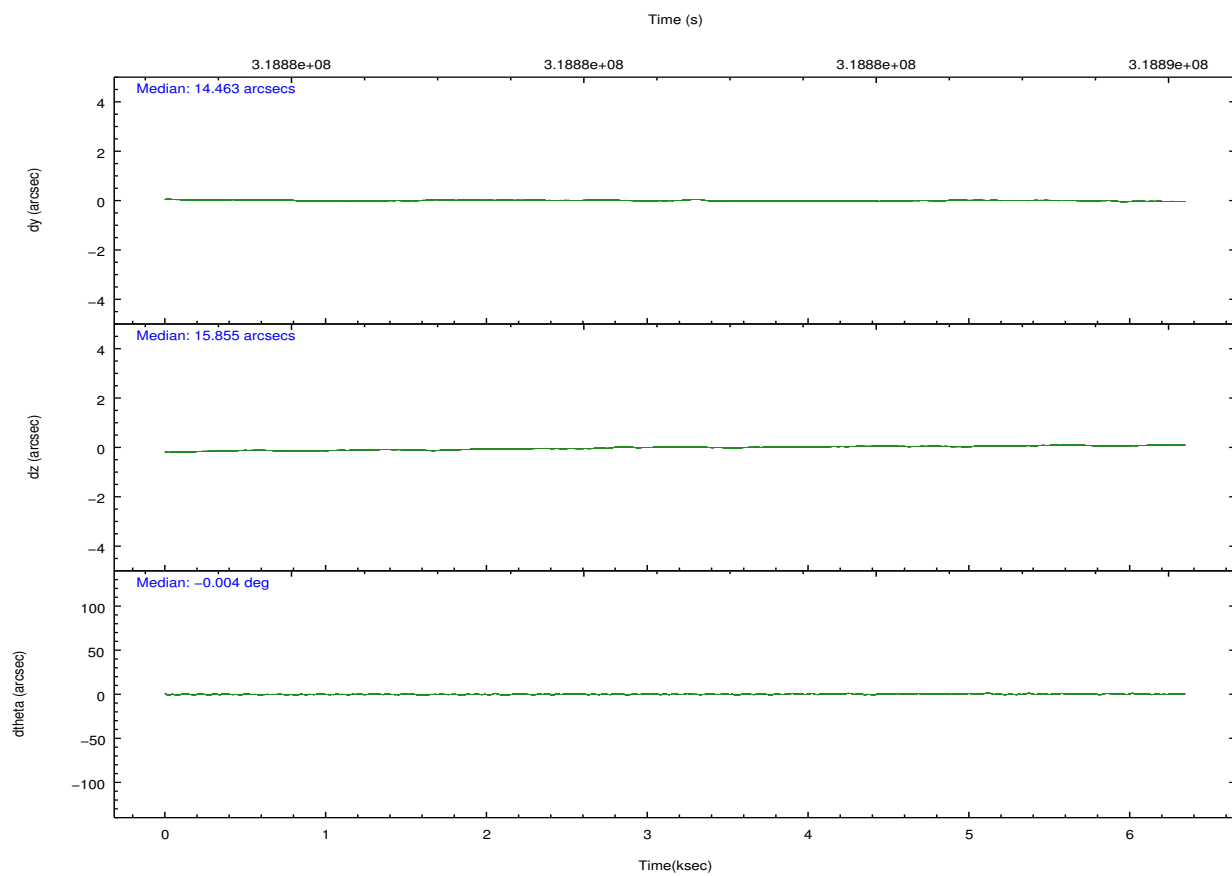
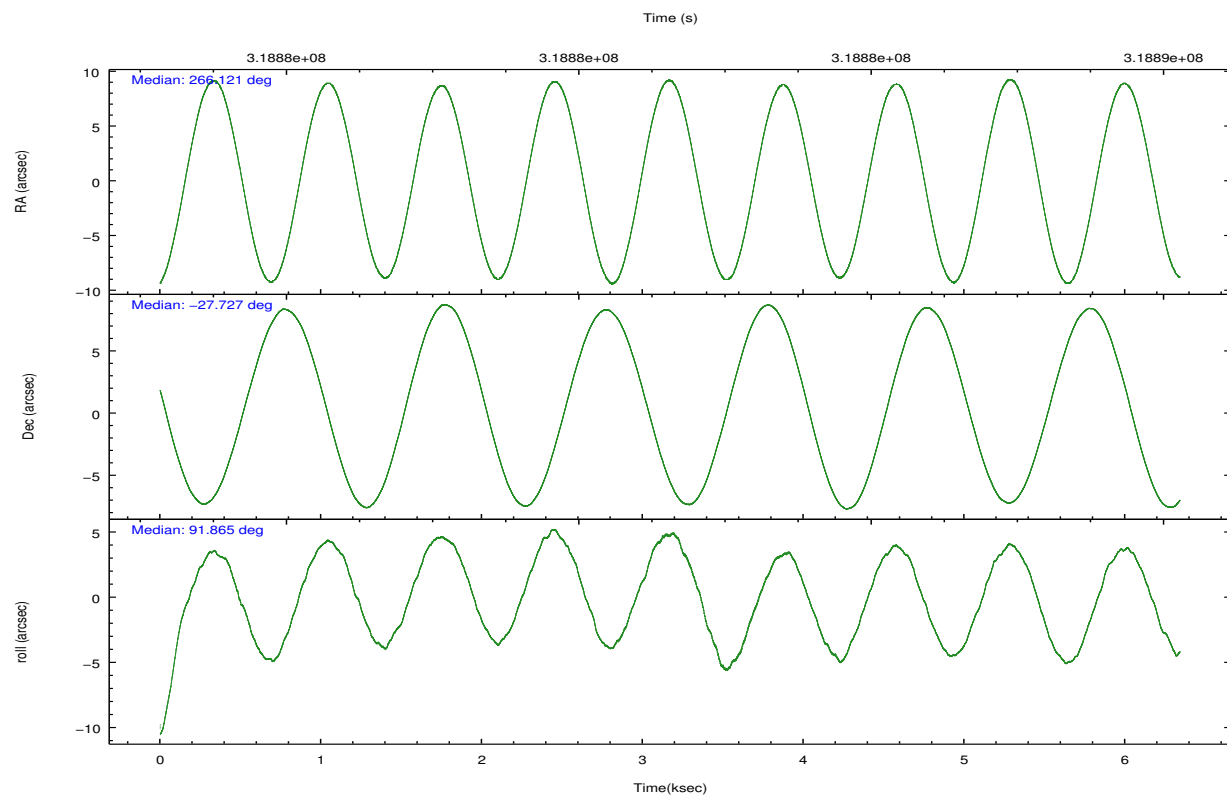
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47743	46153	74344	49252	66665	61087	grade 0 events	2720	2631	3432	2712	2456	4539
rejected events	41731	40354	40038	42884	38494	46854		5%	5%	4%	5%	3%	7%
rejected %	87%	87%	53%	87%	57%	76%	grade 1 events	20	40	117	35	82	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	1308	1114	10585	1348	5854	3298
								2%	2%	14%	2%	8%	5%
							grade 3 events	500	552	1170	581	2411	1339
								1%	1%	1%	1%	3%	2%
							grade 4 events	537	557	1133	556	2461	1307
								1%	1%	1%	1%	3%	2%
							grade 5 events	1899	2243	5149	2234	6318	3063
								3%	4%	6%	4%	9%	5%
							grade 6 events	952	954	18047	1180	15022	3777
								1%	2%	24%	2%	22%	6%
							grade 7 events	39807	38062	34711	40606	32061	43718
								83%	82%	46%	82%	48%	71%

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	266.137496	266.1208419491774	CCD I2 on	O2	Y
[deg] Pointing Dec	-27.749862	-27.72692253196782	CCD I3 on	Y	Y
[deg] Pointing Roll	91.722737	91.87160580499206	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)	318880800.184000	318879260.7651	CCD S5 on	N	N
Observation start date	2008-02-08T17:58:55	2008-02-08T17:34:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	318885800.184000	318886025.76543	On-chip summing requested	N	N
Observation end date	2008-02-08T19:22:15	2008-02-08T19:27:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



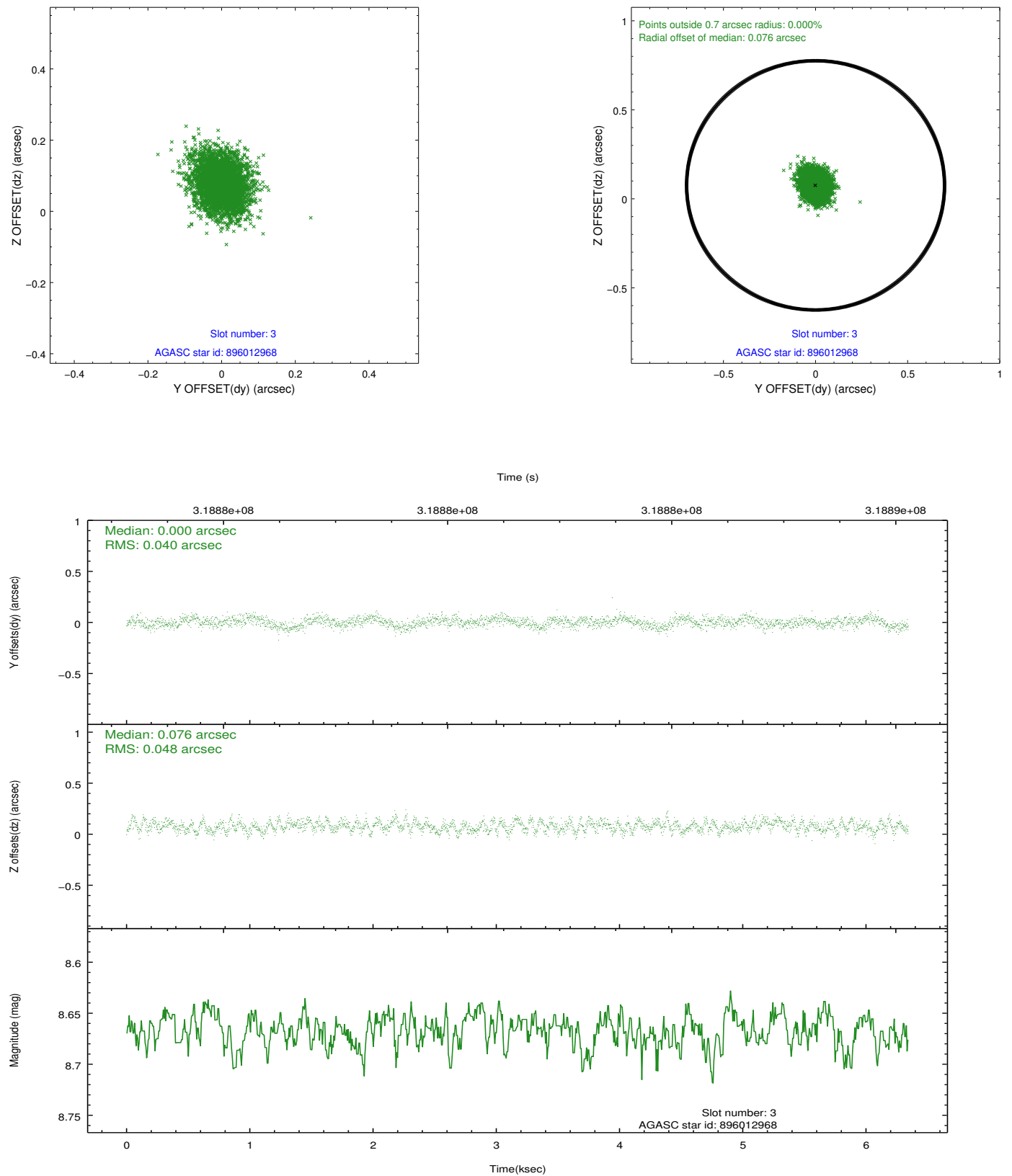


Slot Statistics

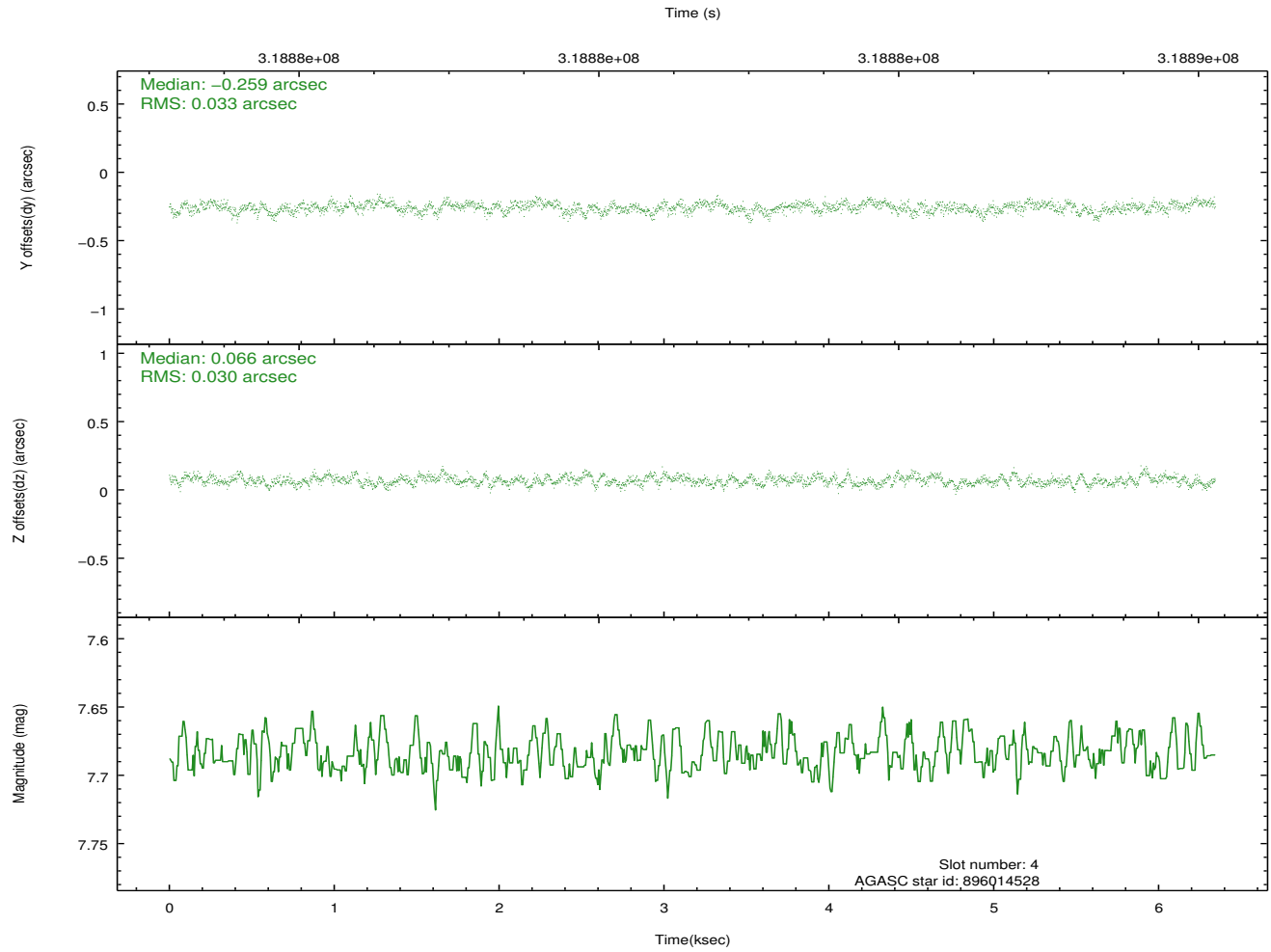
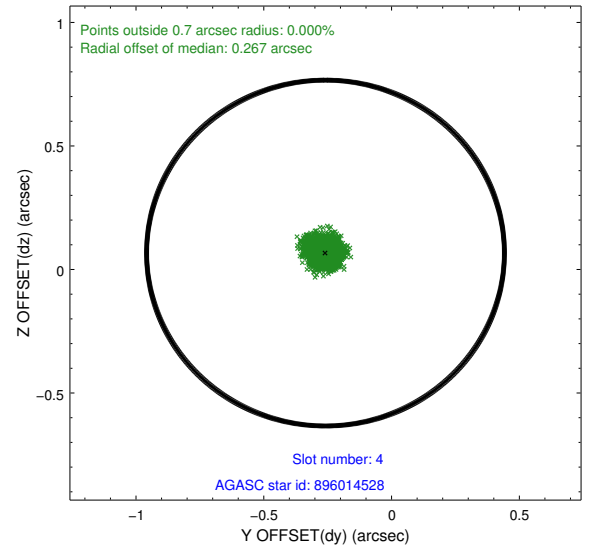
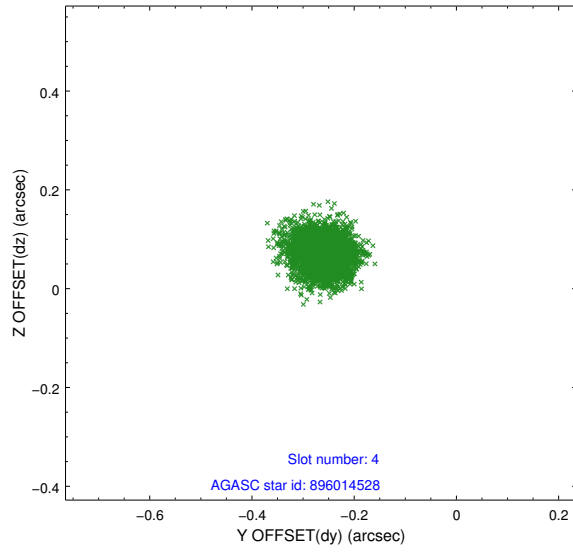
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.08	1547	-0.075	-0.016	0.007	0.011	0.000000	0.000000	-767.49	-1737.25
1	FID	ACIS-S-4	7.18	1546	0.184	0.041	0.005	0.010	0.000000	0.000000	2145.62	170.33
2	FID	ACIS-S-5	7.21	1547	-0.140	-0.016	0.007	0.011	0.000000	0.000000	-1819.21	165.00
3	GUIDE	896012968	8.67	3094	0.000	0.076	0.066	0.106	266.634547	-27.600471	487.43	-1600.67
4	GUIDE	896014528	7.68	3095	-0.259	0.066	0.048	0.076	266.628858	-27.438607	1070.34	-1602.84
5	GUIDE	896014680	8.76	3091	-0.094	0.100	0.066	0.109	266.460330	-27.216583	1887.45	-1090.67
6	GUIDE	896402272	7.60	3094	0.192	-0.318	0.049	0.080	265.637294	-28.313189	-1981.54	1645.12
7	GUIDE	896538696	6.87	3093	0.163	0.073	0.046	0.071	266.298470	-28.325572	-2087.19	-446.93

2.4 Star Slots

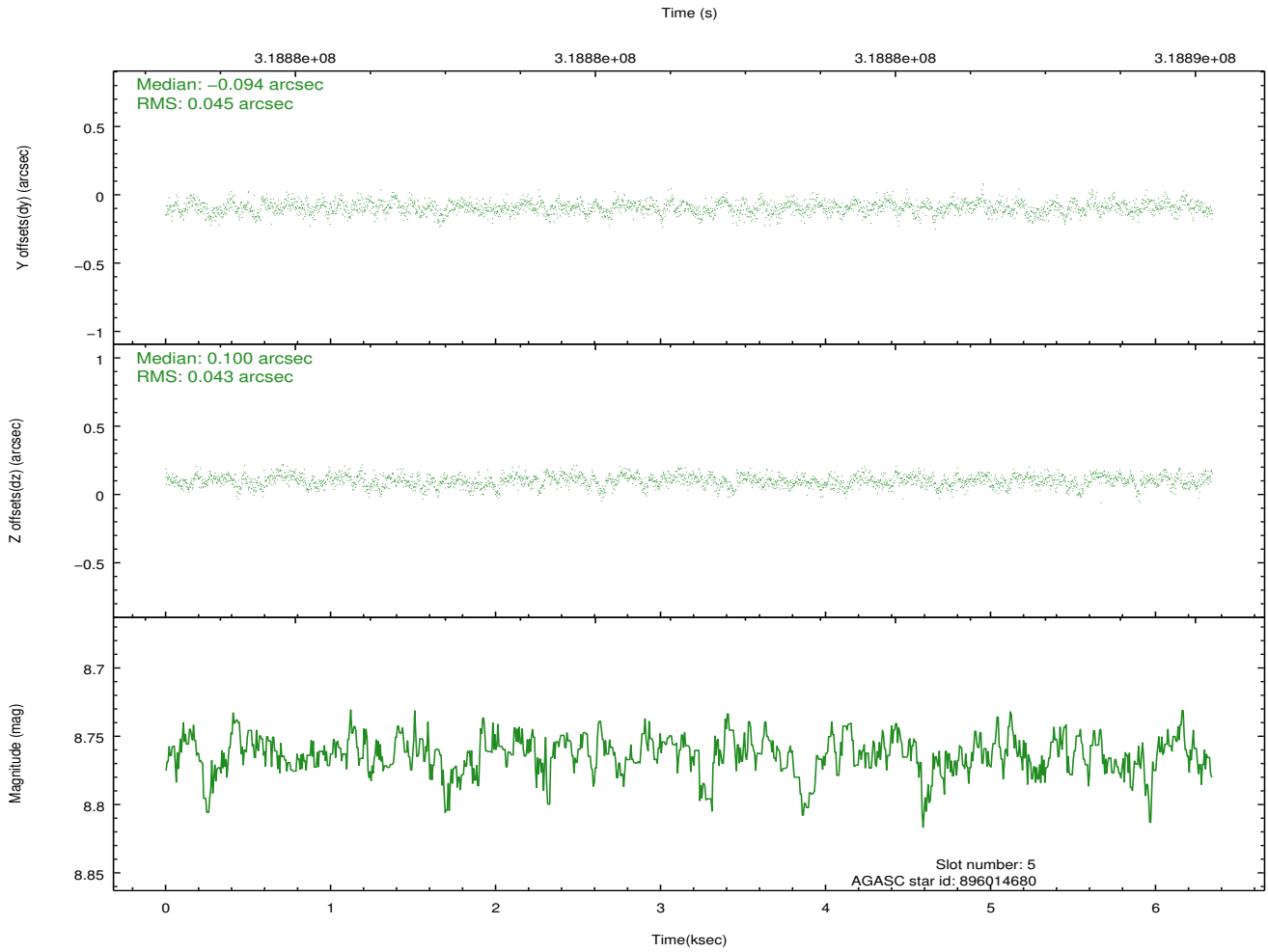
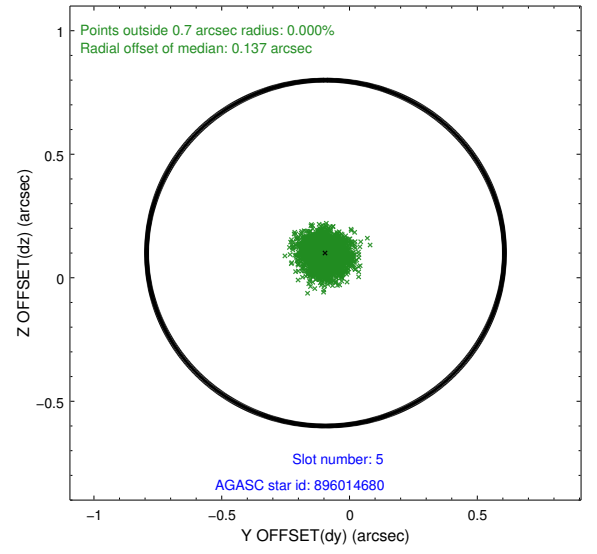
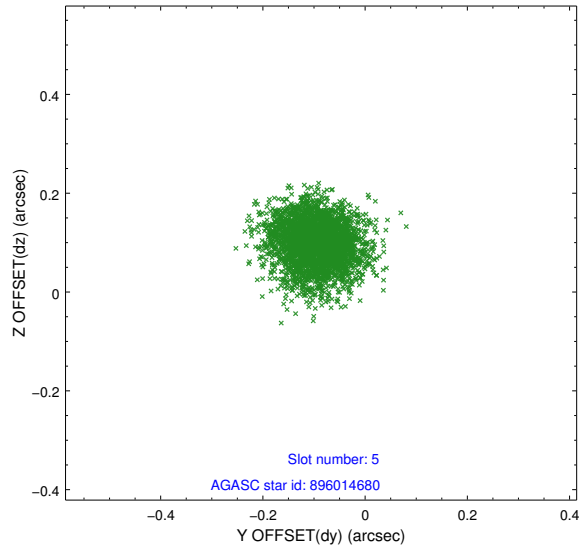
2.4.1 Slot 3



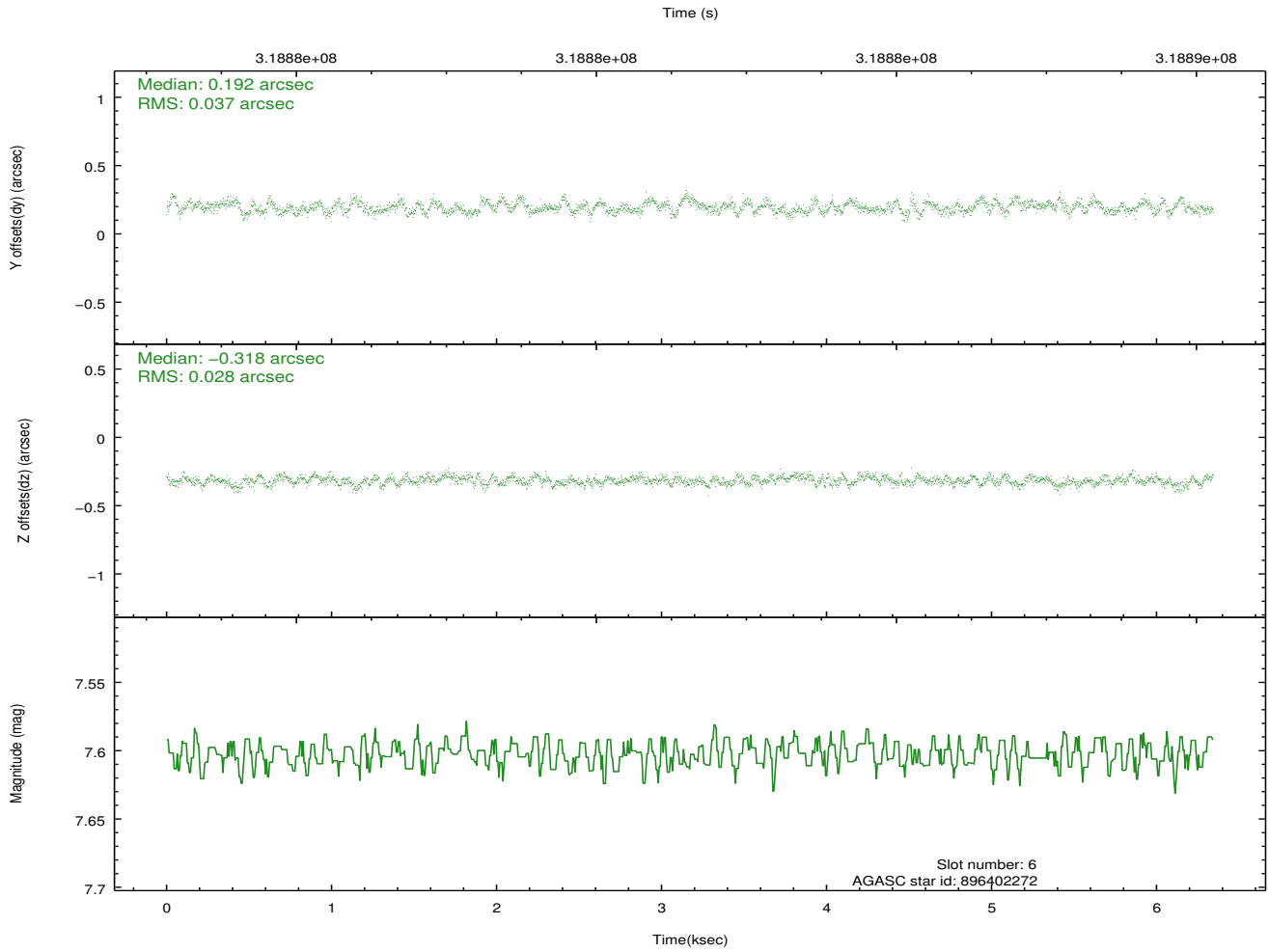
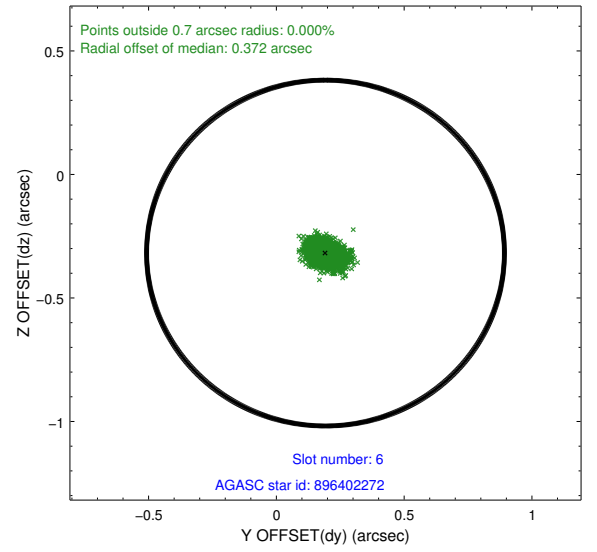
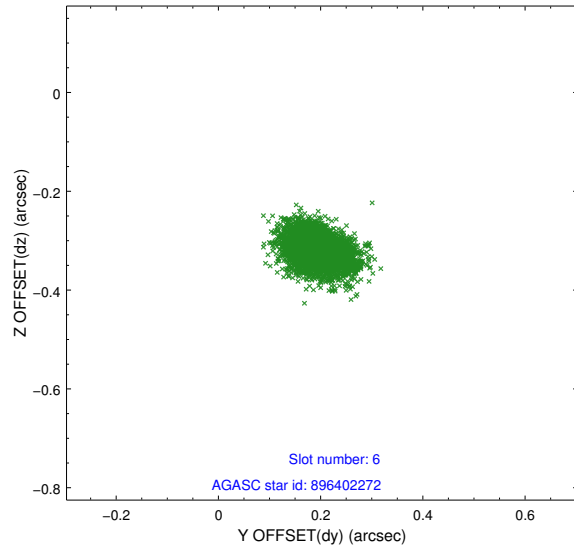
2.4.2 Slot 4



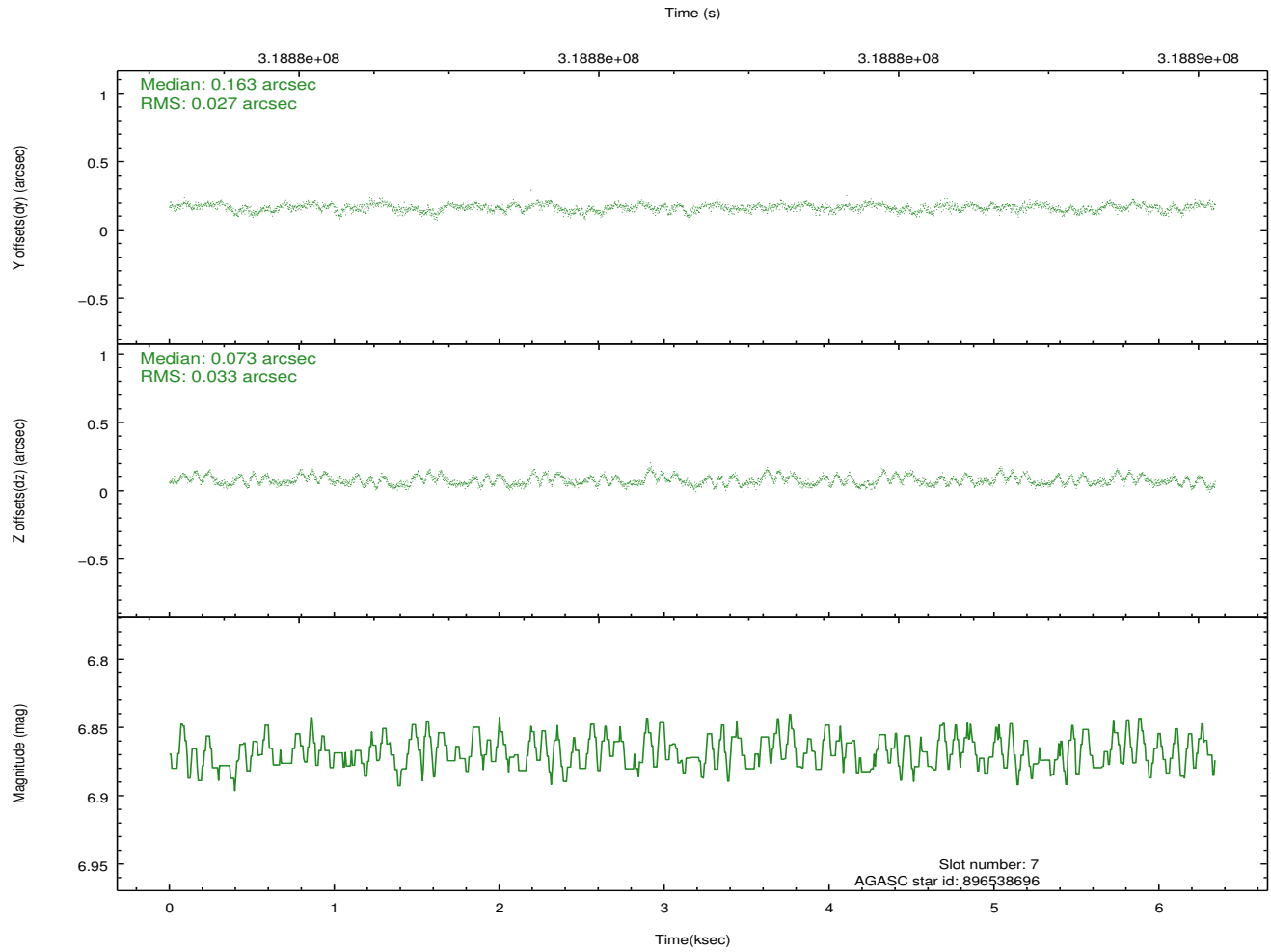
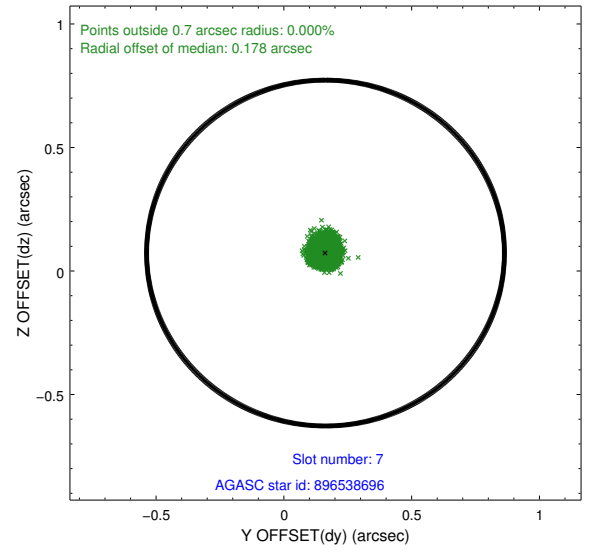
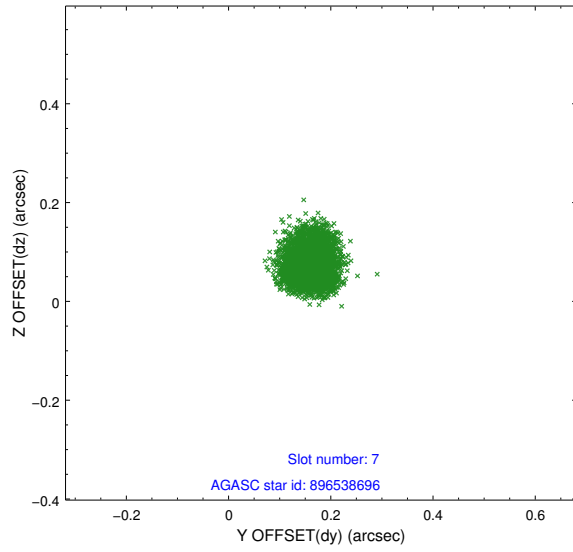
2.4.3 Slot 5



2.4.4 Slot 6

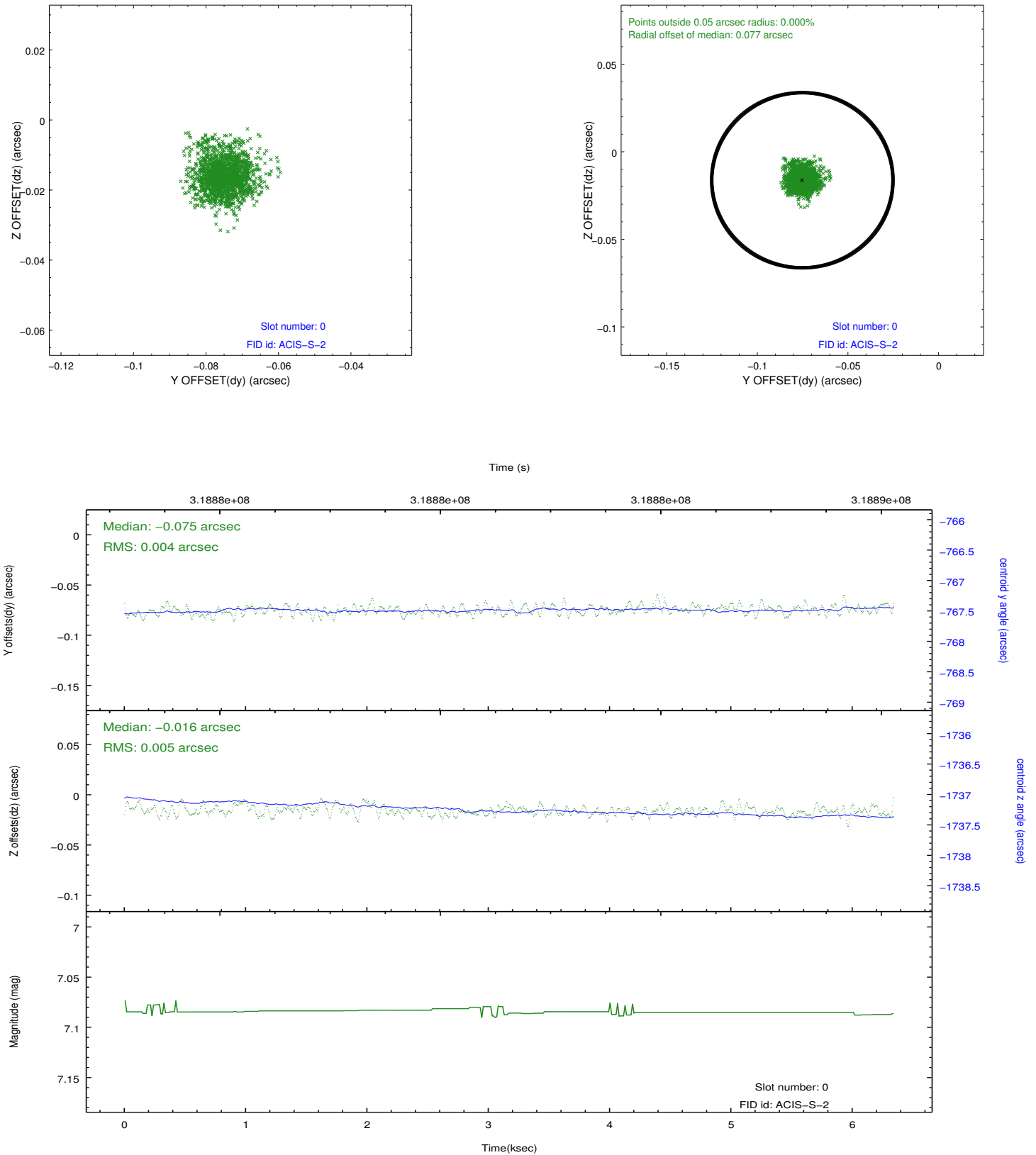


2.4.5 Slot 7

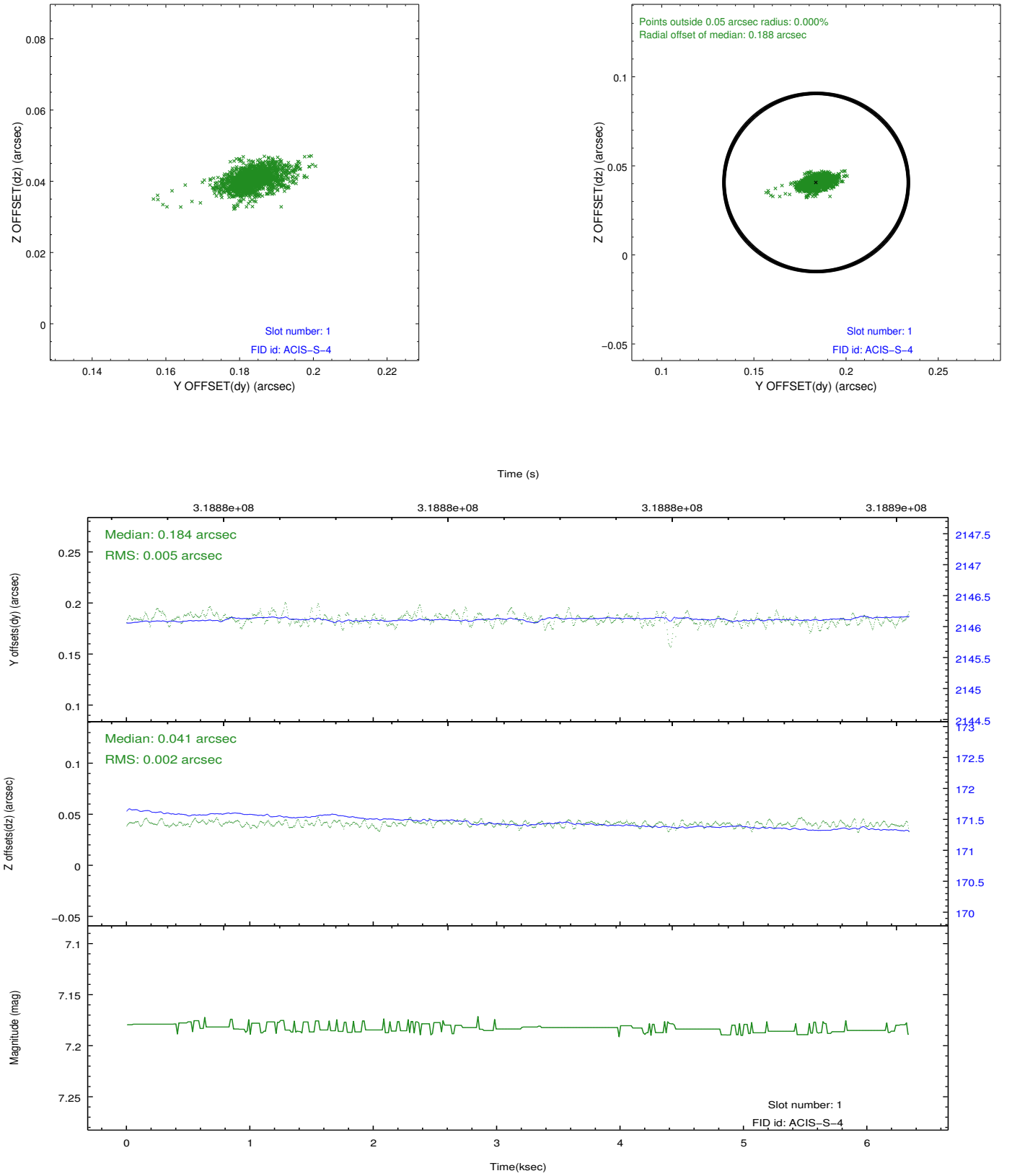


2.5 FID Slots

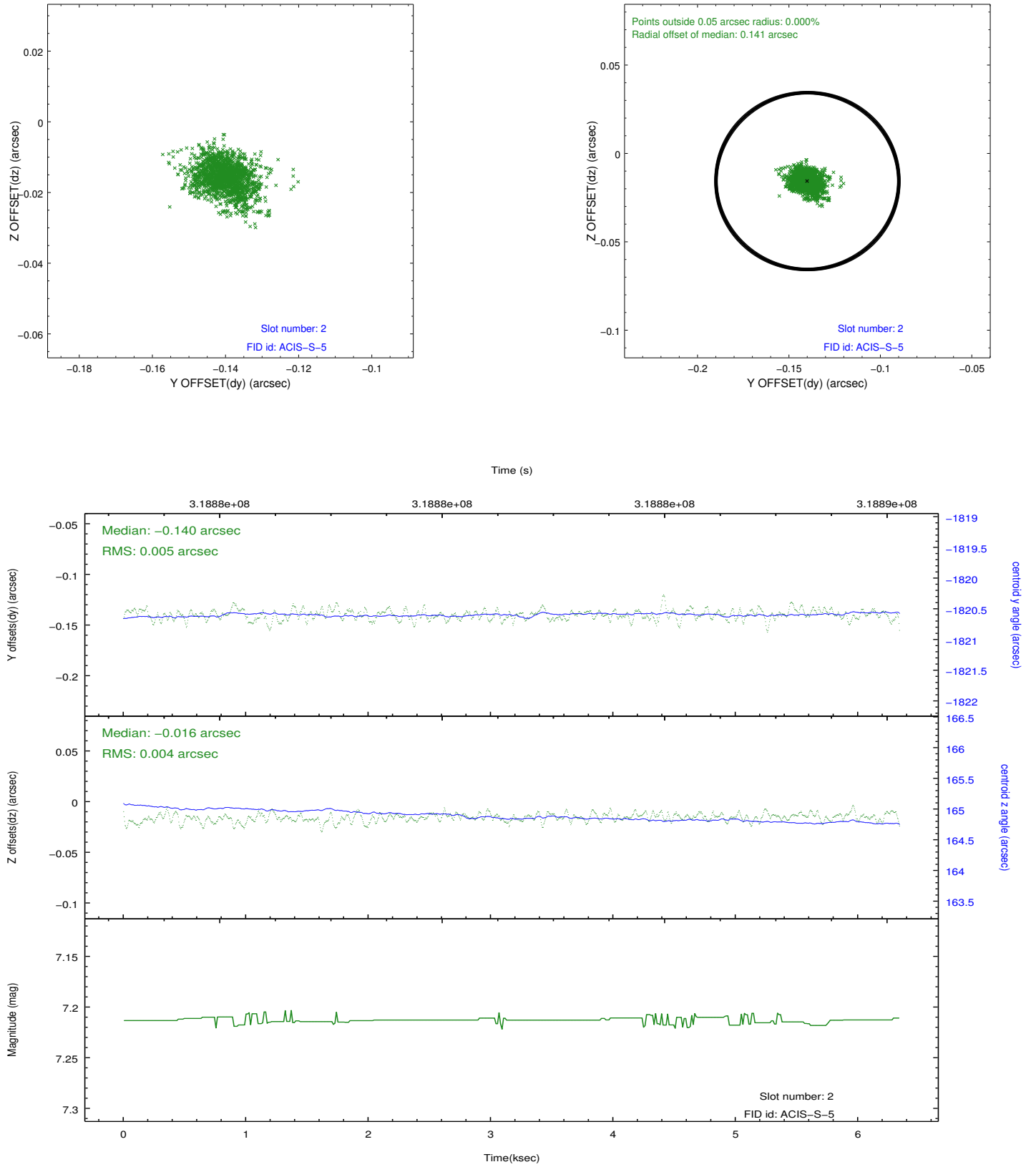
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95039998

A.2 Comments