

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18078 - L2 Version 1
Chandra X-Ray Center

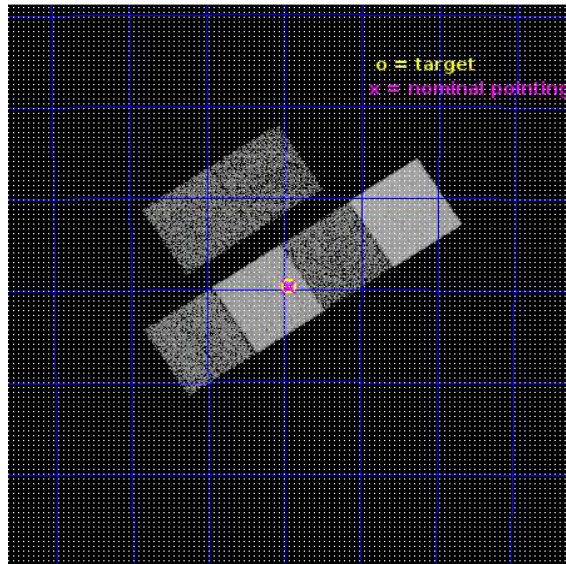
L2 Processing Date : Jul 9 2016

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1 Front

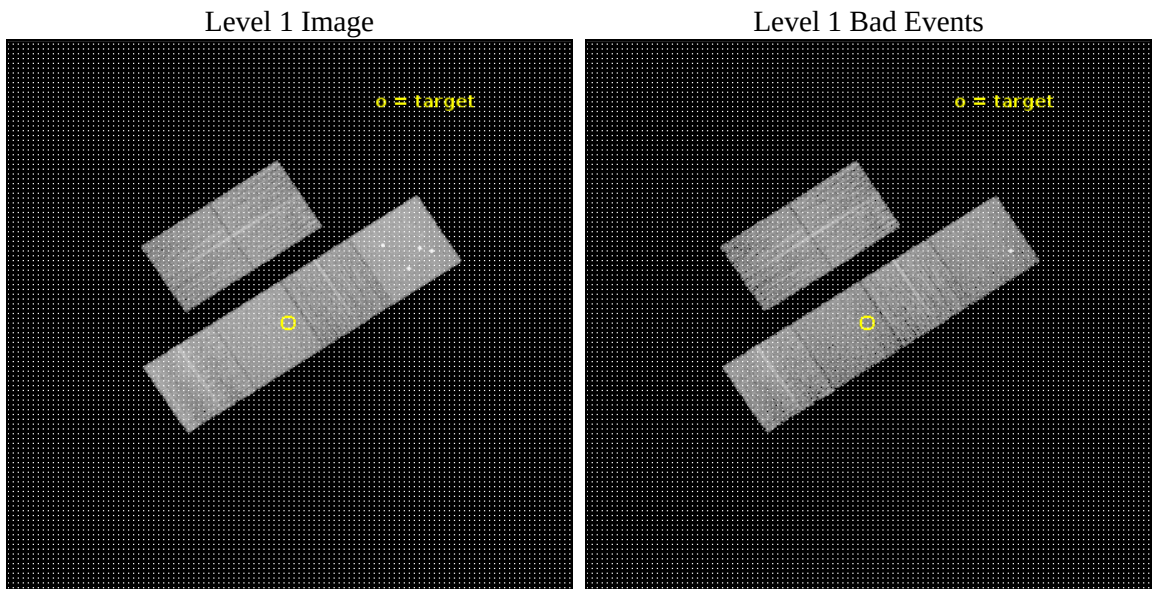
seq_num	901192	Sequence number
obs_id	18078	Observation id
title	Compton-Thick AGN: The Hunt is on	Proposal title
observer	Marco Ajello	Principal investigator
object	ESO 119-8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	72.23625	Observer's specified target RA [deg]
dec_targ	-57.659167	Observer's specified target Dec [deg]
ra_nom	72.233119018814	Nominal RA [deg]
dec_nom	-57.661014920667	Nominal Dec [deg]
roll_nom	146.80146366286	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9992.1398020983	Sum of GTIs [s]
livetime	9865.6133113798	Livetime [s]
ontime2	9992.180842042	Sum of GTIs [s]
ontime3	9992.0166820288	Sum of GTIs [s]
ontime5	9992.0987620354	Sum of GTIs [s]
ontime6	9992.0577220917	Sum of GTIs [s]
ontime7	9992.1398020983	Sum of GTIs [s]
ontime8	9991.9756420851	Sum of GTIs [s]
l2events	108717	Number of level 2 events



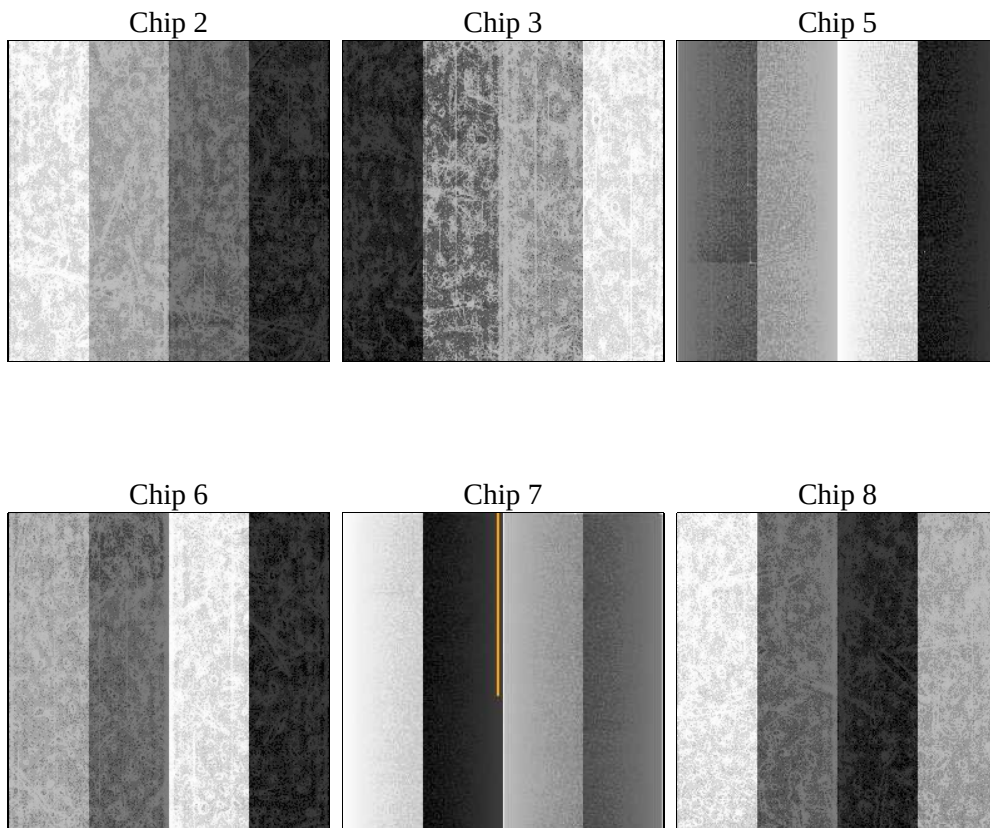
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10050.930000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	9992.1398020983	Sum of GTIs [s]
caldsver	4.7.2	 	ontime2	9992.180842042	Sum of GTIs [s]
date	2016-07-09T15:17:07	Date and time of file creation	ontime3	9992.0166820288	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	9992.0987620354	Sum of GTIs [s]
			ontime6	9992.0577220917	Sum of GTIs [s]
			ontime7	9992.1398020983	Sum of GTIs [s]
			ontime8	9991.9756420851	Sum of GTIs [s]
			l1events	473243	Number of level 1 events

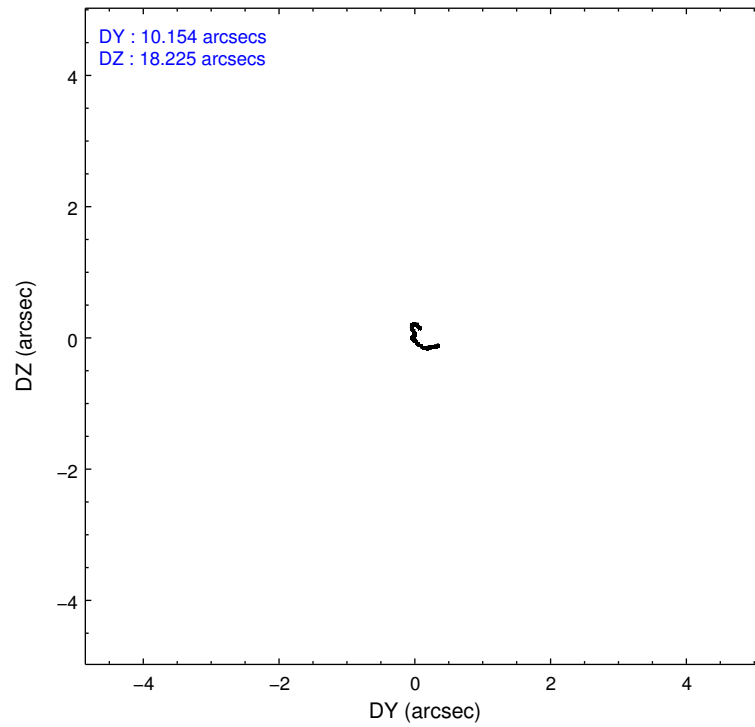
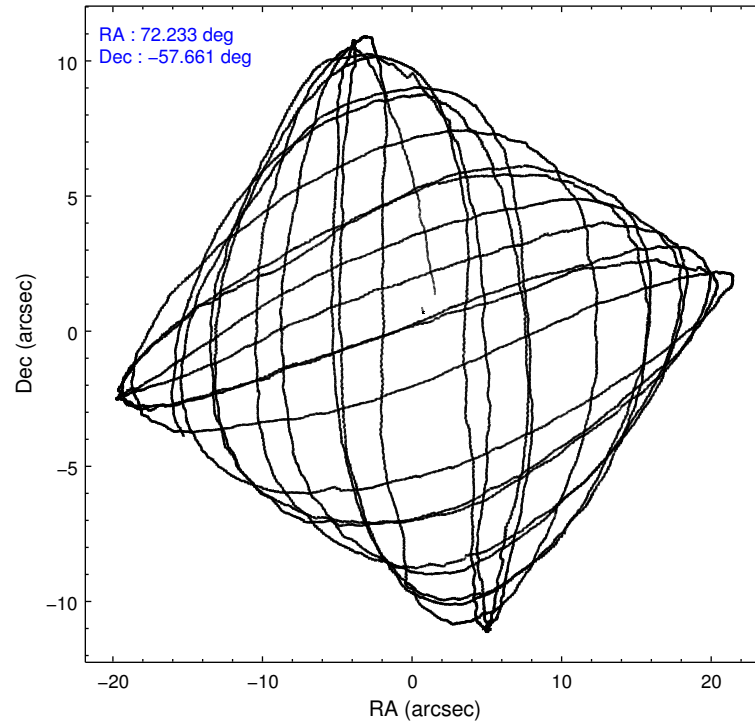
2.1.4 Events

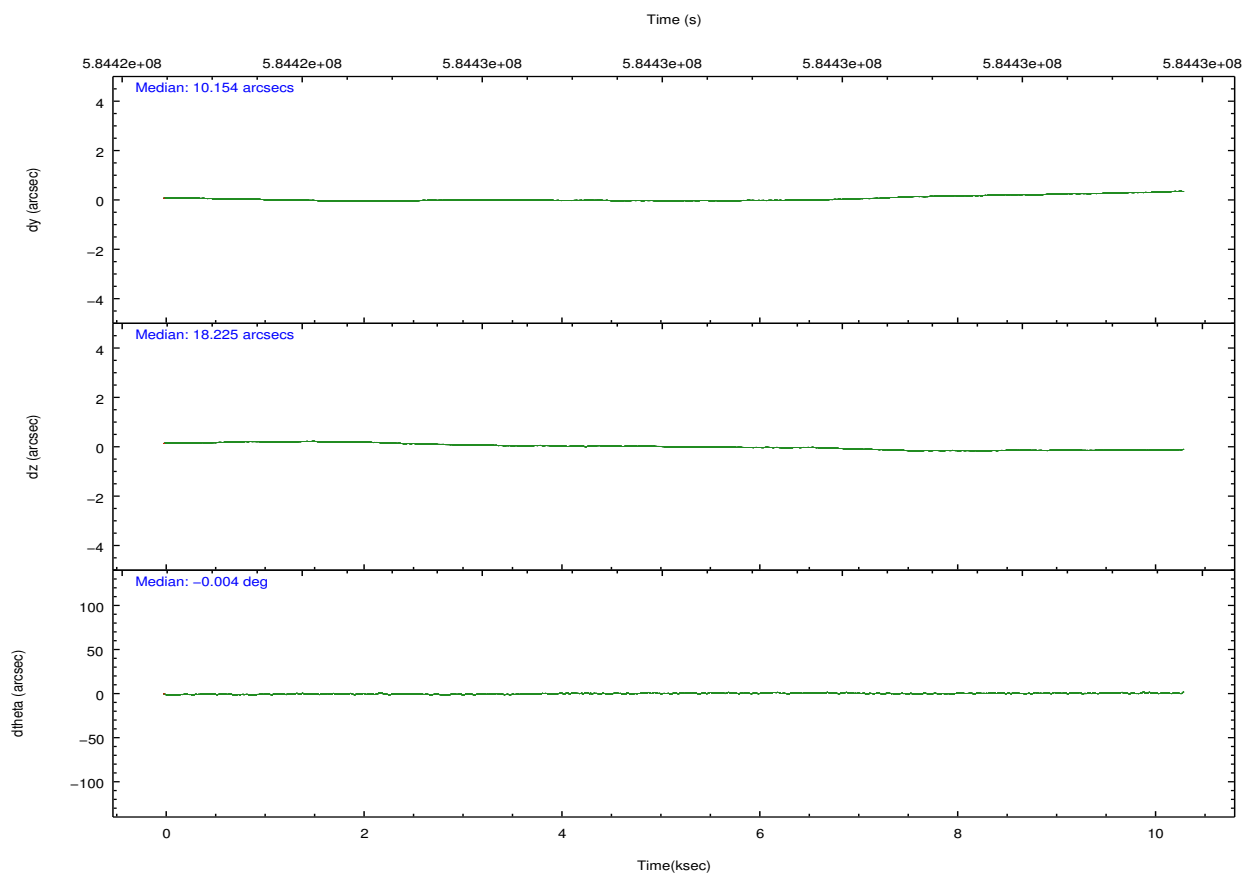
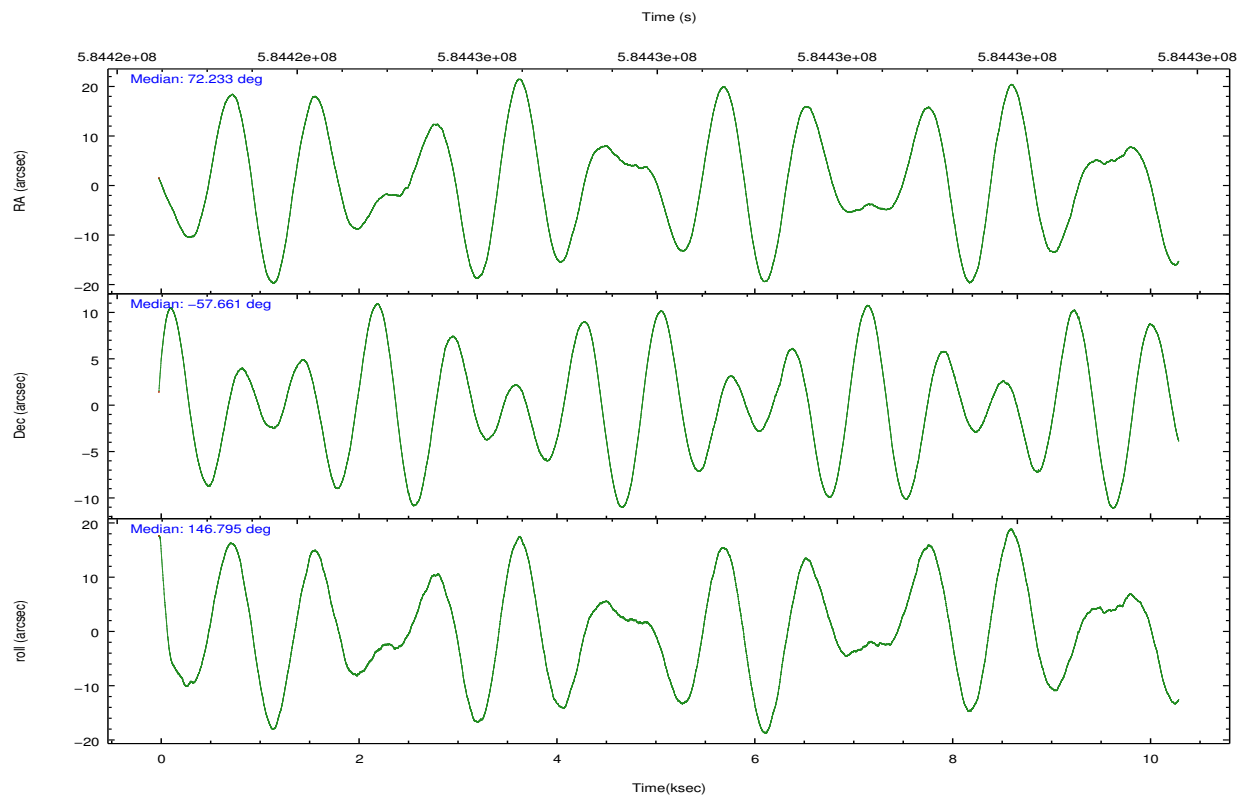
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	68298	61319	112661	63146	83671	84148	grade 0 events	2508	2644	11030	2400	3259	6876
rejected events	61237	54443	55306	55957	46877	61103		3%	4%	9%	3%	3%	8%
rejected %	89%	88%	49%	88%	56%	72%	grade 1 events	42	32	220	33	126	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	1713	1519	16194	1663	7681	5714
								2%	2%	14%	2%	9%	6%
							grade 3 events	676	652	1604	689	3119	2238
								0%	1%	1%	1%	3%	2%
							grade 4 events	713	675	1550	720	2990	2181
								1%	1%	1%	1%	3%	2%
							grade 5 events	2643	3036	7370	3044	8444	4579
								3%	4%	6%	4%	10%	5%
							grade 6 events	1459	1393	27016	1722	19770	6040
								2%	2%	23%	2%	23%	7%
							grade 7 events	58544	51368	47677	52875	38282	56458
								85%	83%	42%	83%	45%	67%

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	72.284443	72.23311901881394	CCD I2 on	O4	Y
[deg] Pointing Dec	-57.662218	-57.66101492066711	CCD I3 on	O3	Y
[deg] Pointing Roll	146.688194	146.80146366286	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	584423210.184000	584422215.8506	CCD S5 on	N	N
Observation start date	2016-07-09T03:45:42	2016-07-09T03:30:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	584433261.184000	584433491.36375	On-chip summing requested	N	N
Observation end date	2016-07-09T06:33:13	2016-07-09T06:38:11	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



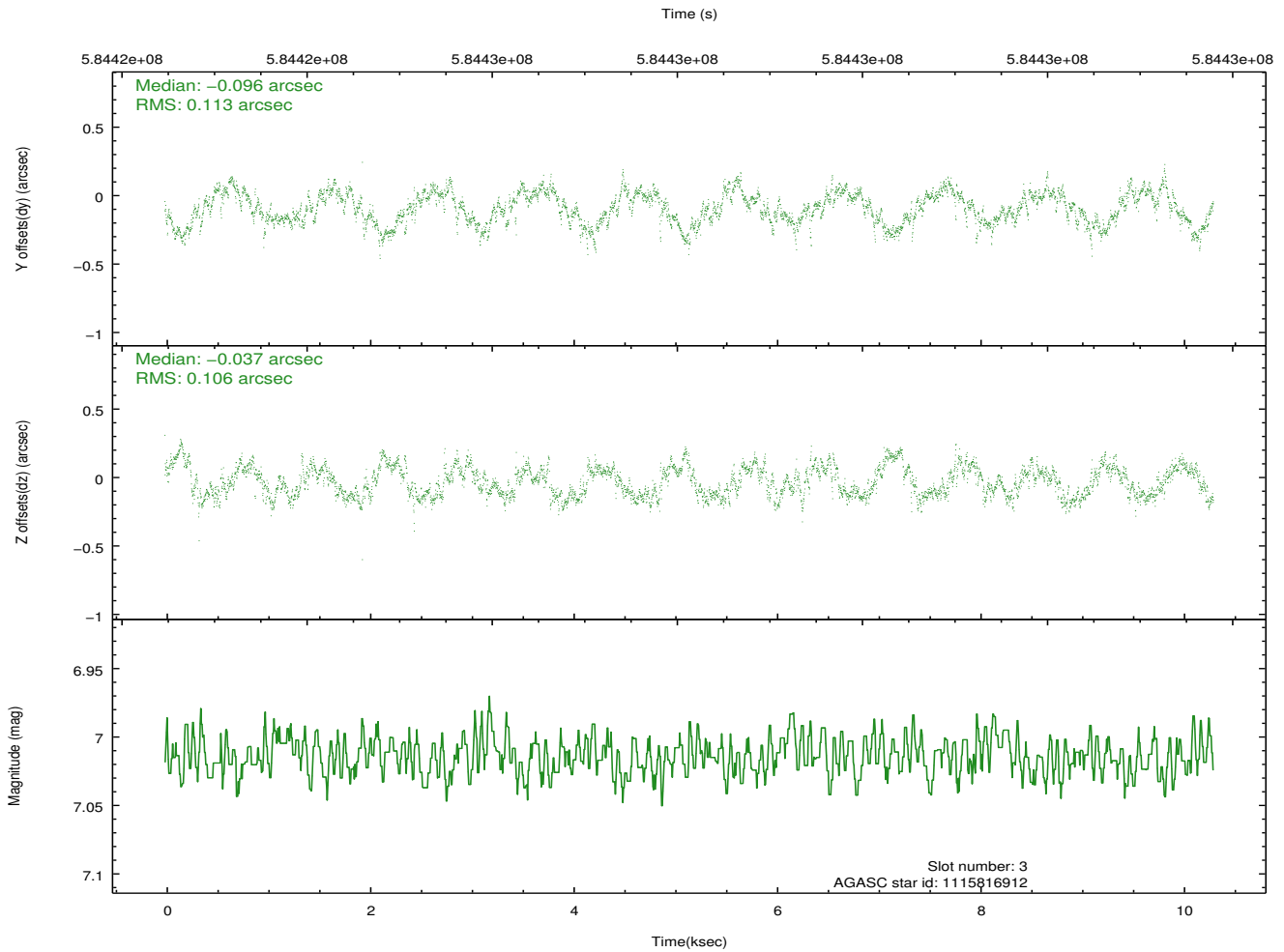
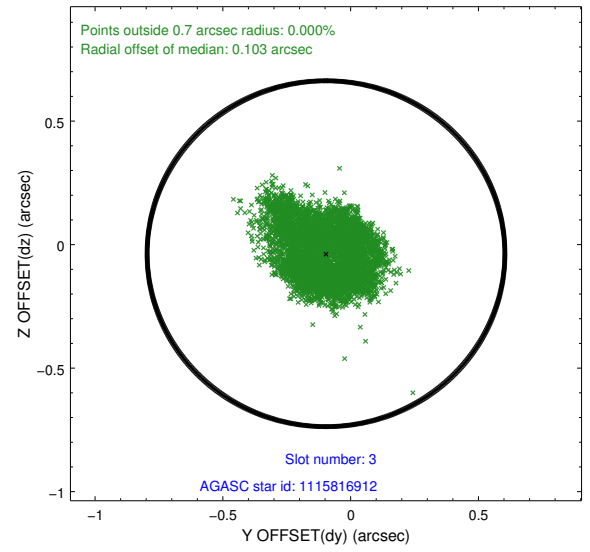
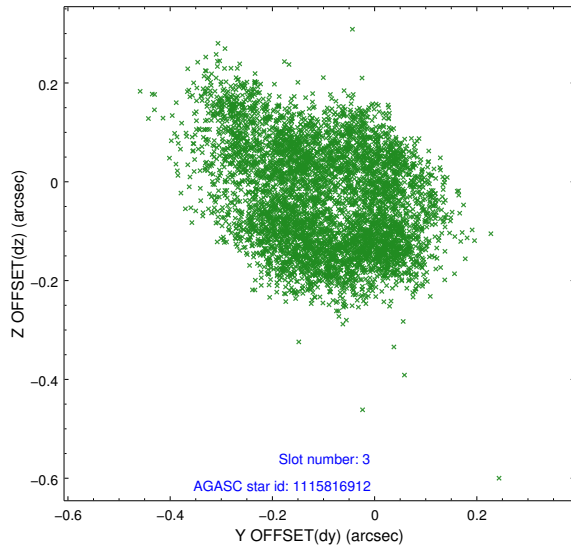


Slot Statistics

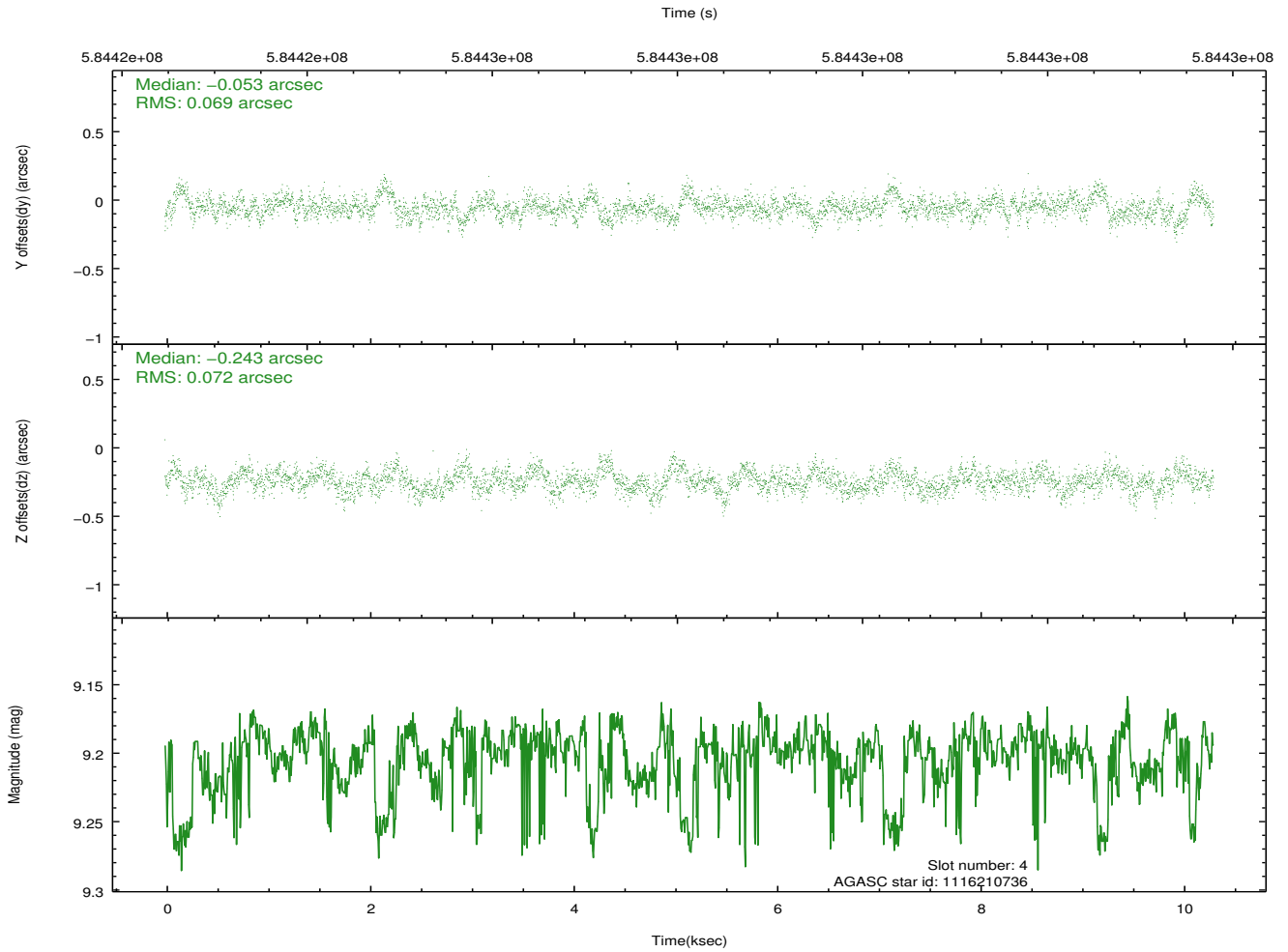
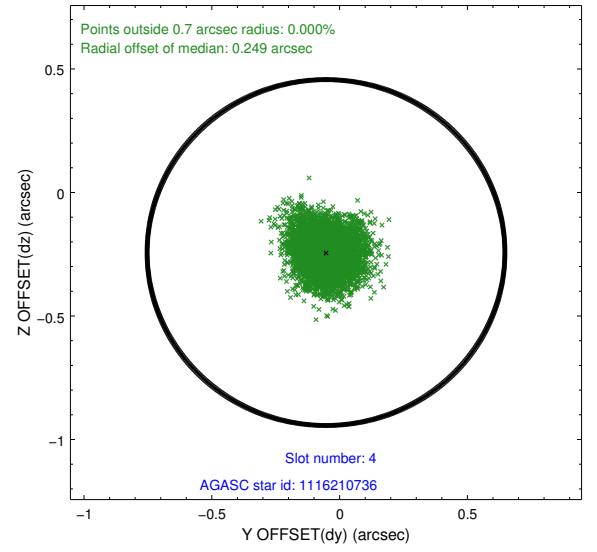
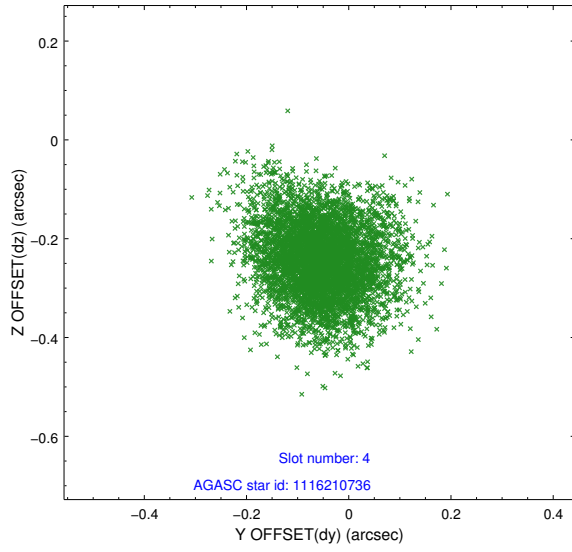
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	2514	-0.135	-0.098	0.007	0.011	0.000000	0.000000	-763.20	-1739.74
1	FID		ACIS-S-4	7.21	2515	0.349	0.092	0.006	0.010	0.000000	0.000000	2150.34	168.38
2	FID		ACIS-S-5	7.23	2515	-0.244	0.016	0.007	0.012	0.000000	0.000000	-1815.49	162.59
3	GUIDE	used	1115816912	7.01	5026	-0.096	-0.037	0.164	0.256	72.048038	-56.817283	2059.35	-2284.85
4	GUIDE	used	1116210736	9.20	5025	-0.053	-0.243	0.105	0.174	72.642251	-58.148760	-1531.09	1091.80
5	GUIDE	used	1116210984	9.31	5023	-0.058	-0.161	0.136	0.214	72.744534	-58.296697	-1983.88	1433.14
6	GUIDE	used	1116222008	8.33	5027	0.067	0.140	0.147	0.210	73.155832	-57.829081	-1731.66	-405.58
7	GUIDE	used	1116219104	8.36	5026	0.139	0.297	0.070	0.116	73.585583	-57.550679	-1893.05	-1695.12

2.4 Star Slots

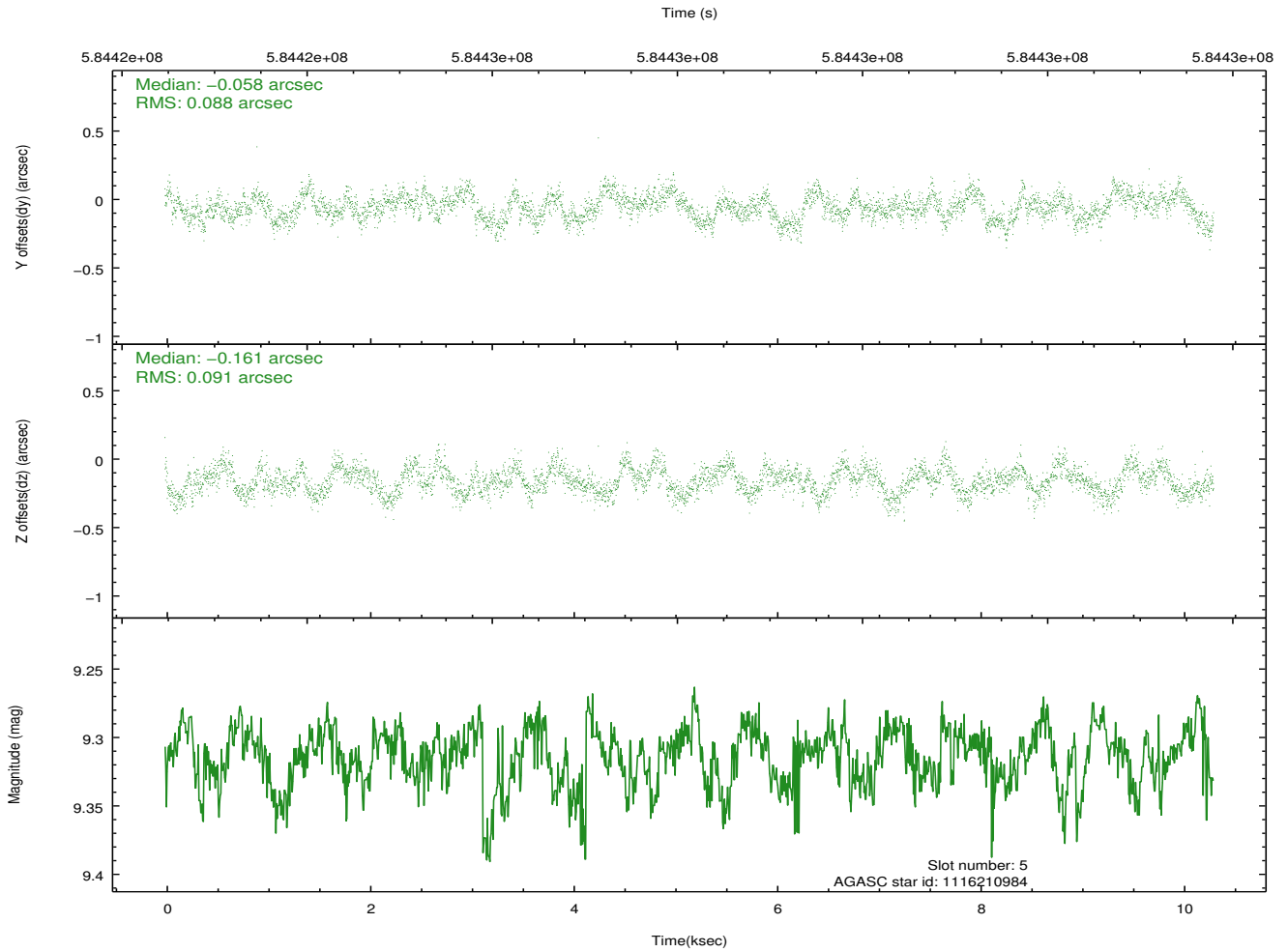
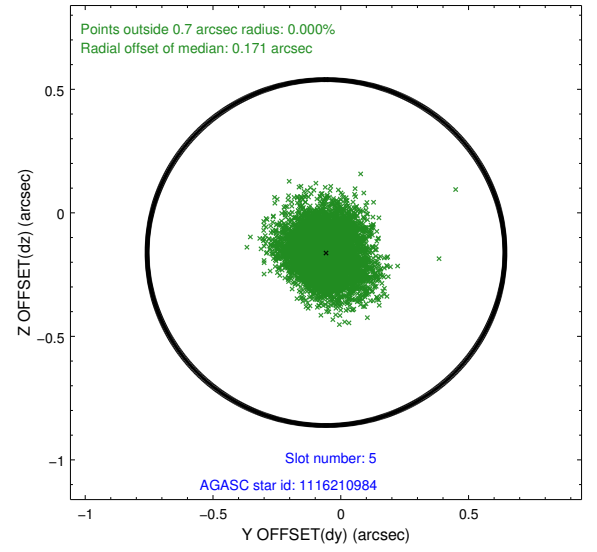
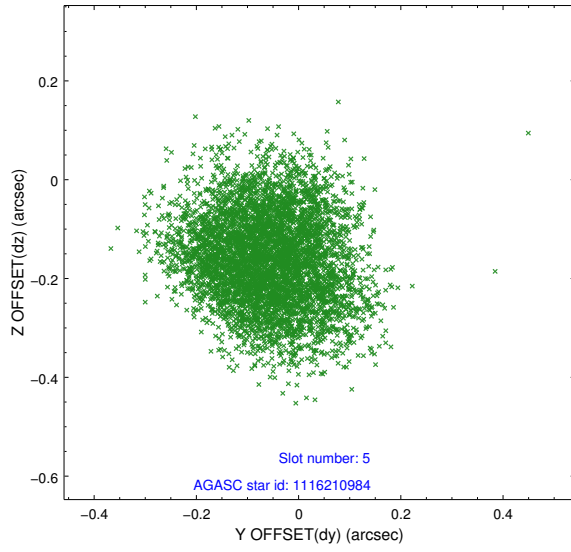
2.4.1 Slot 3



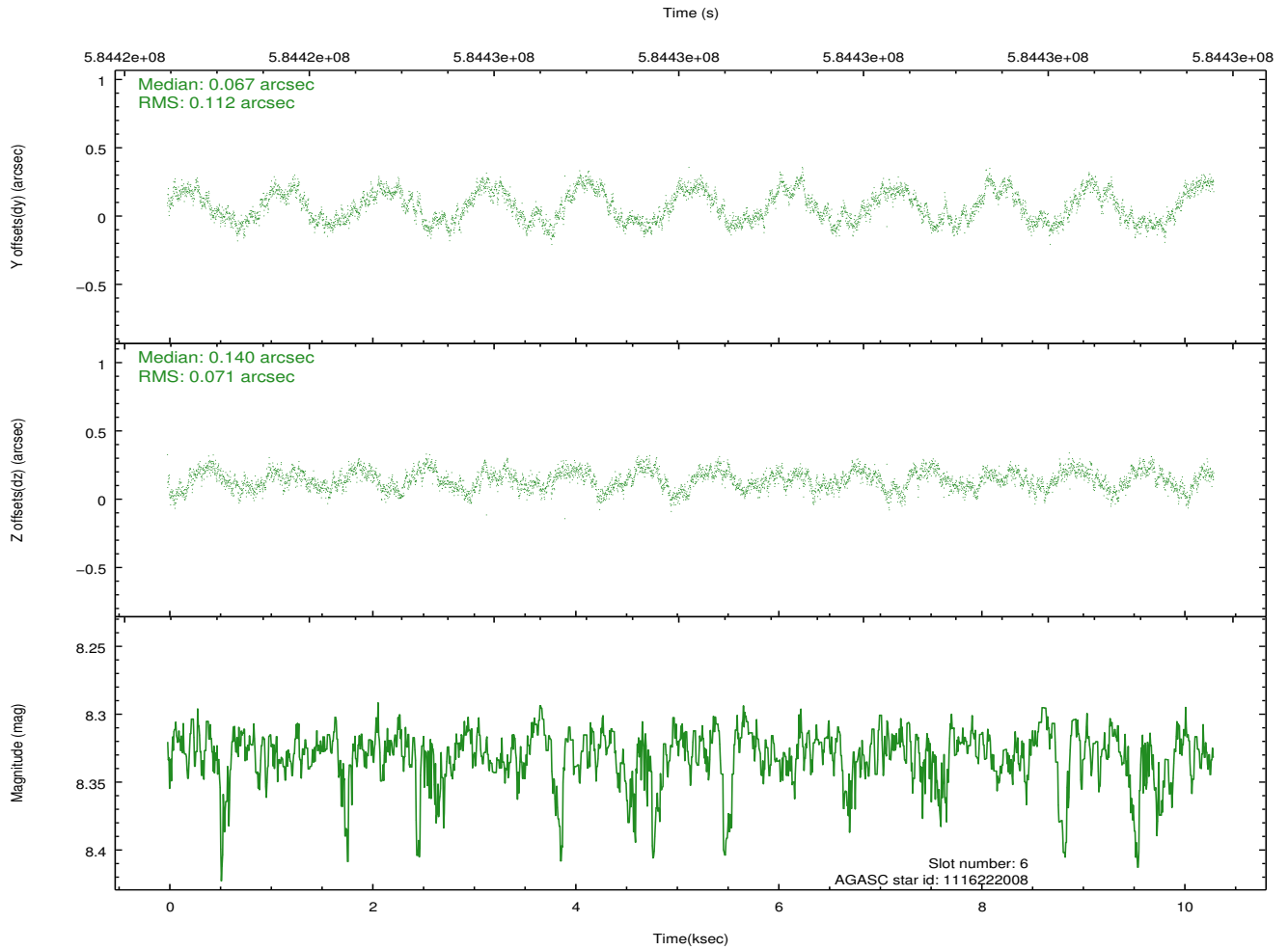
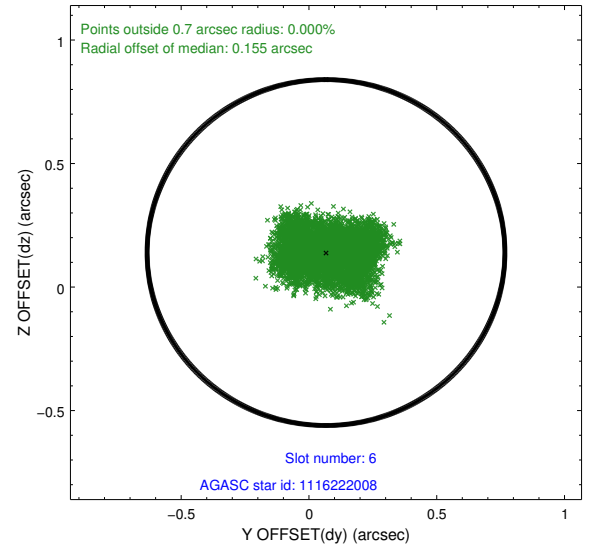
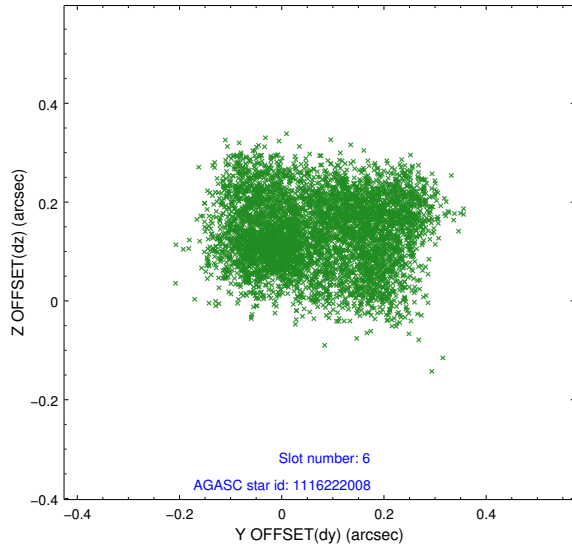
2.4.2 Slot 4



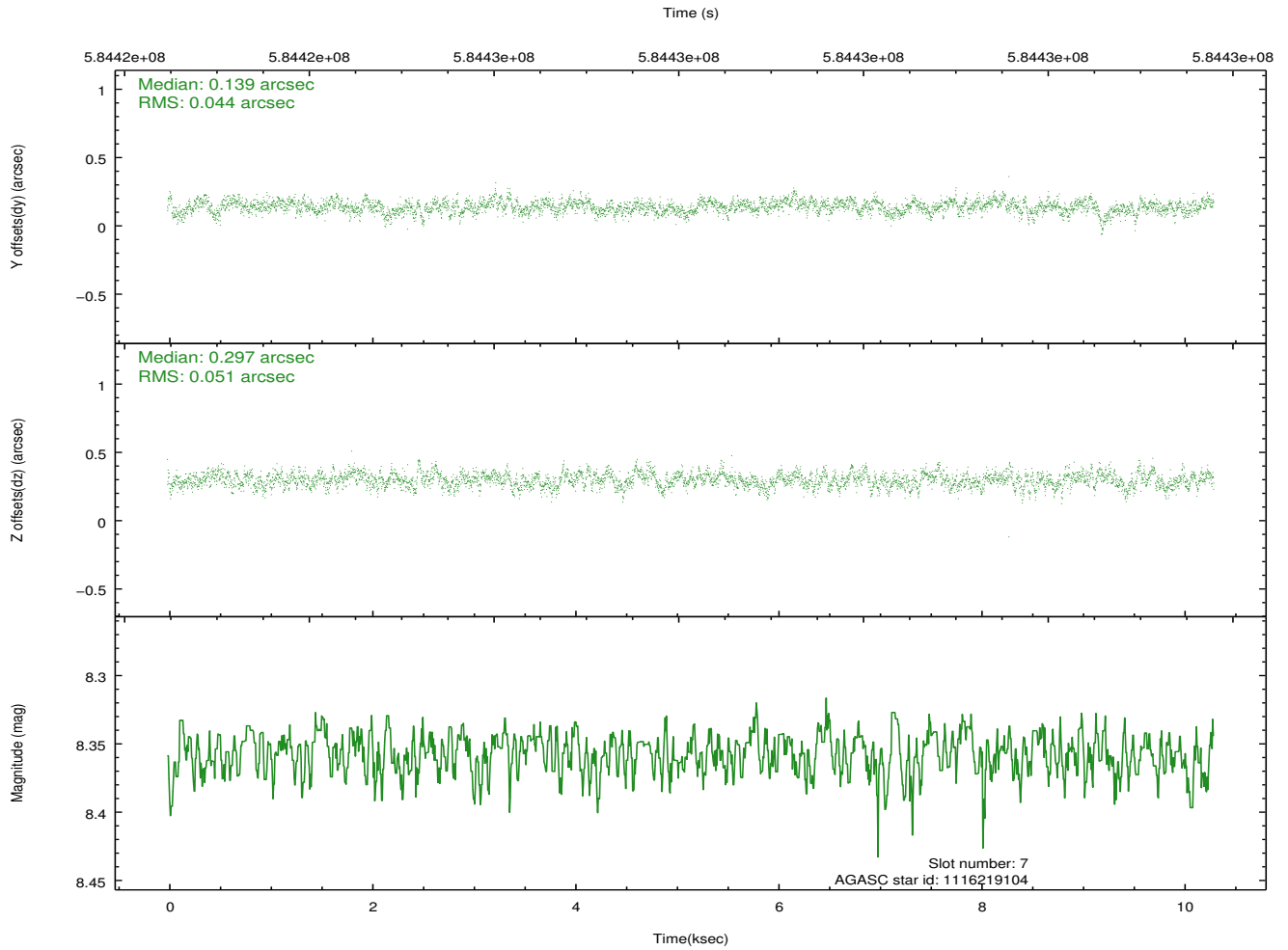
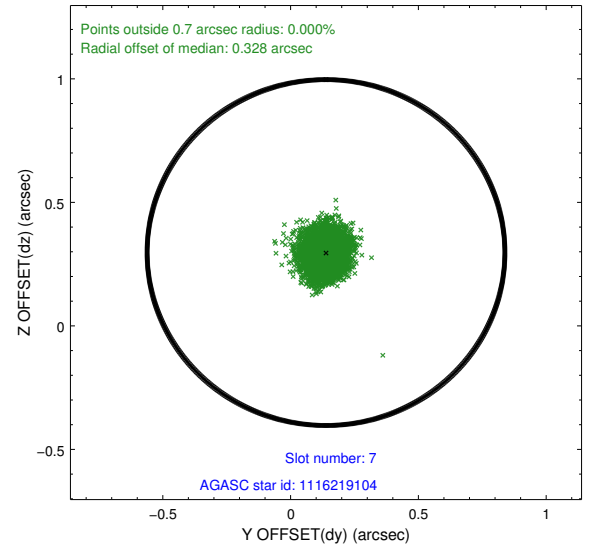
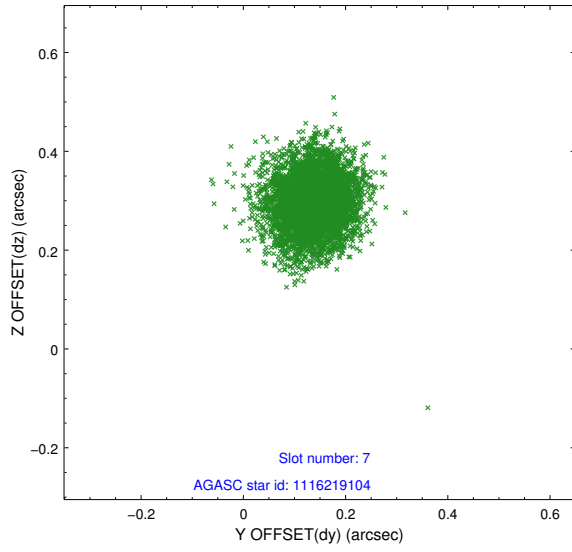
2.4.3 Slot 5



2.4.4 Slot 6

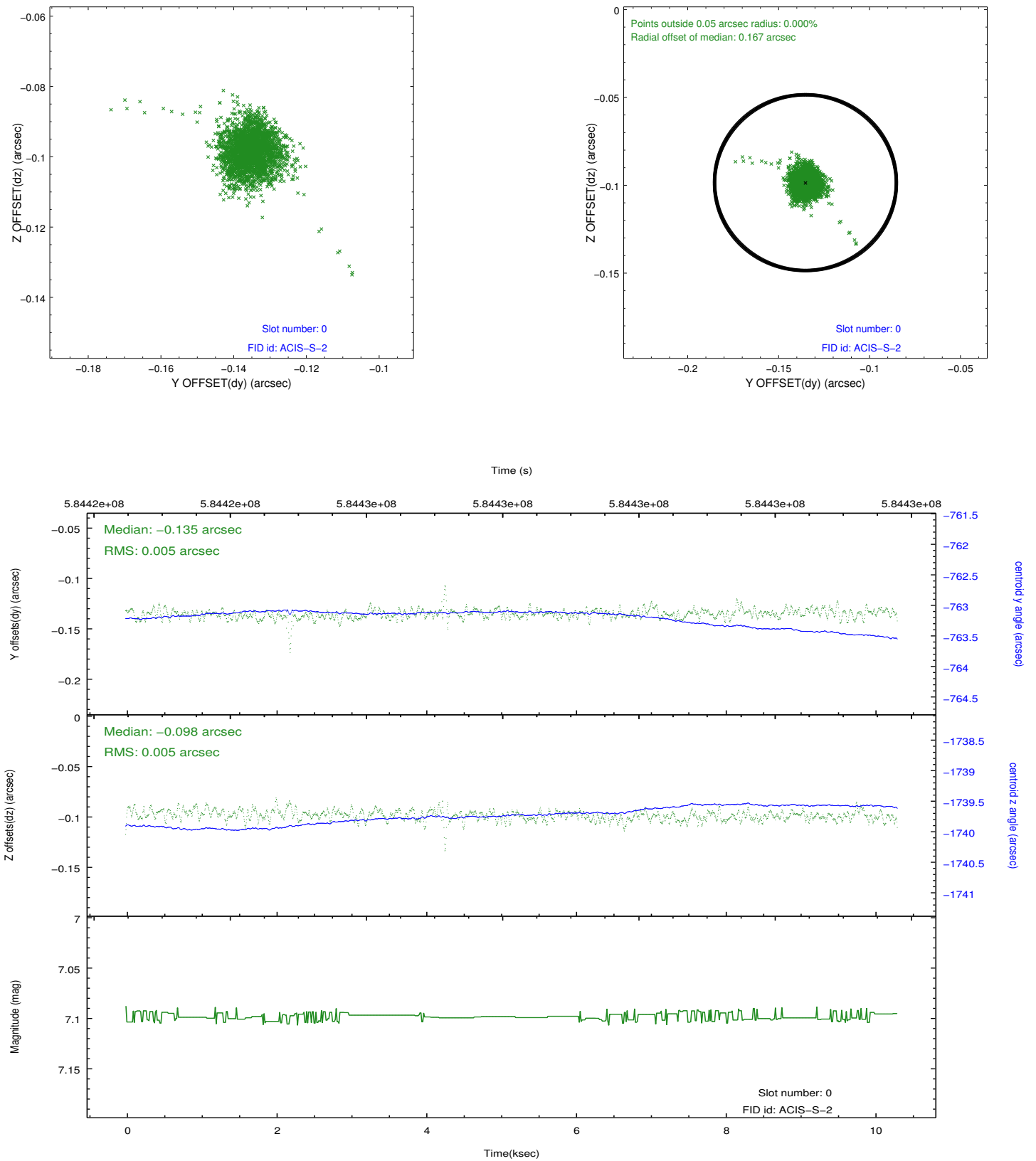


2.4.5 Slot 7

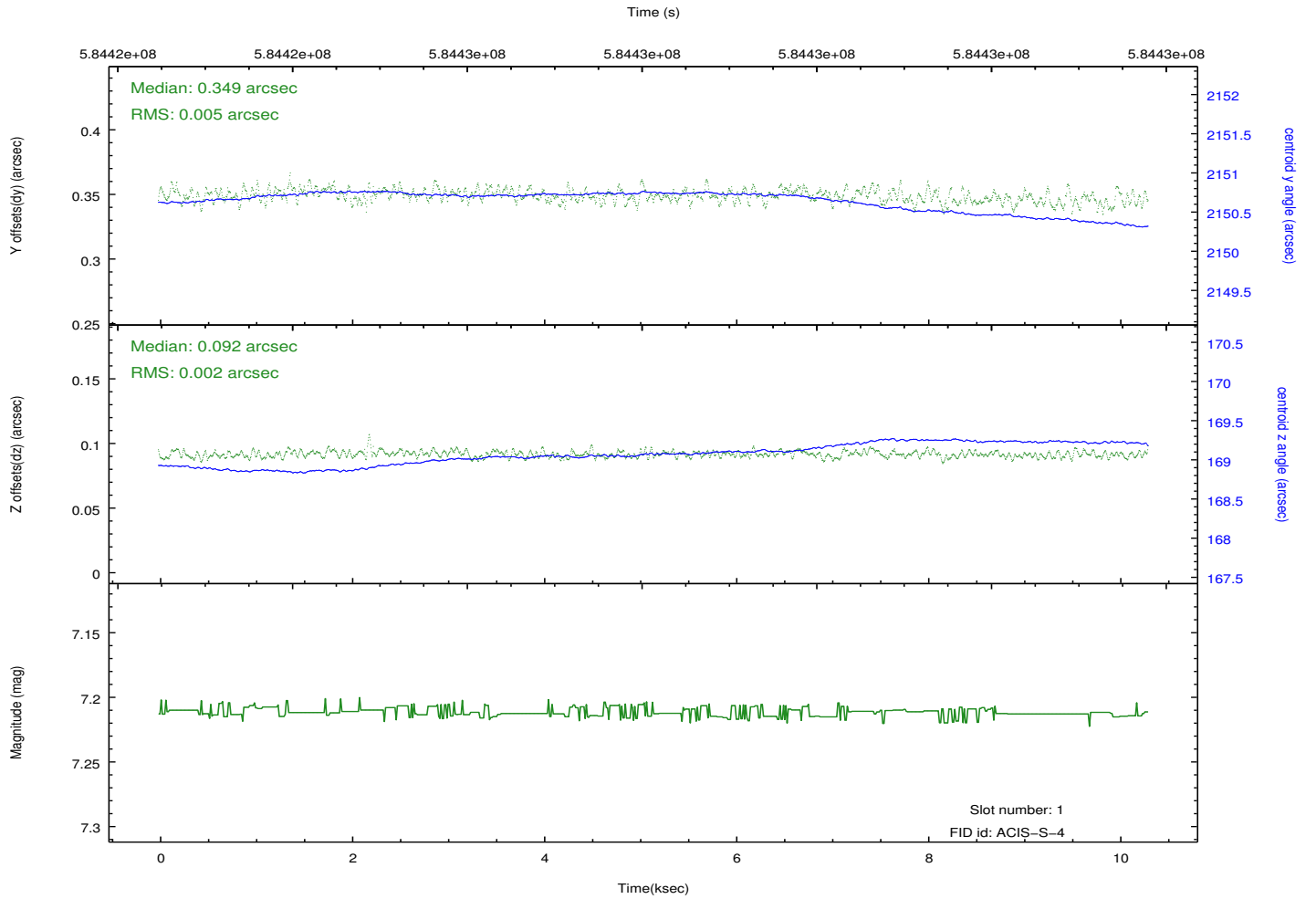
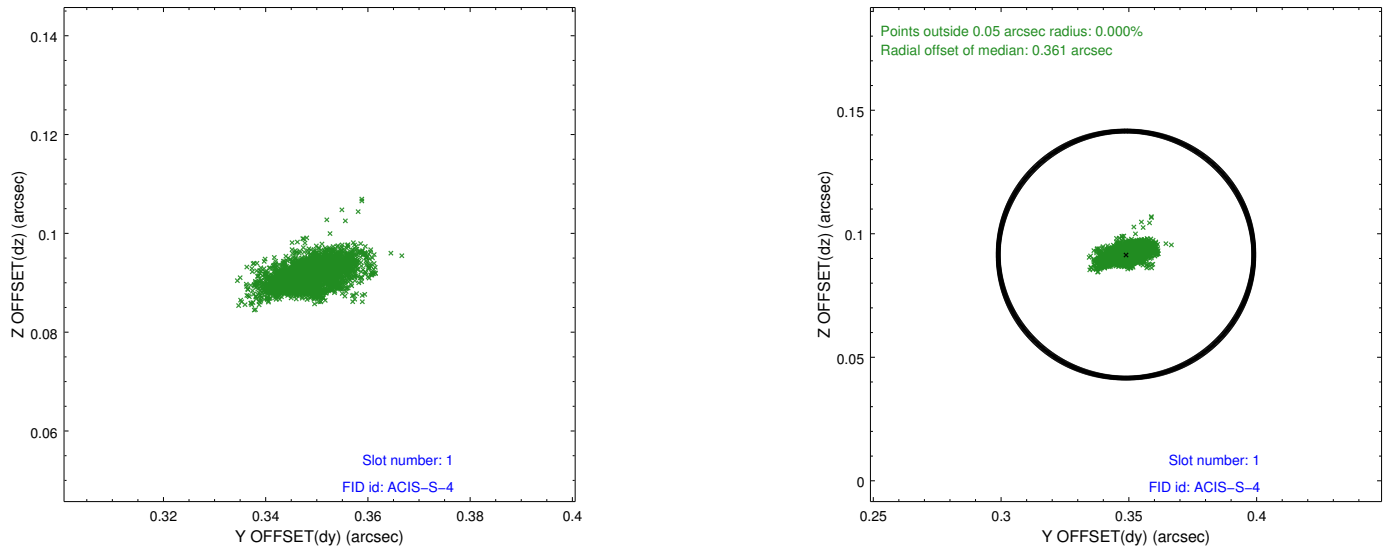


2.5 FID Slots

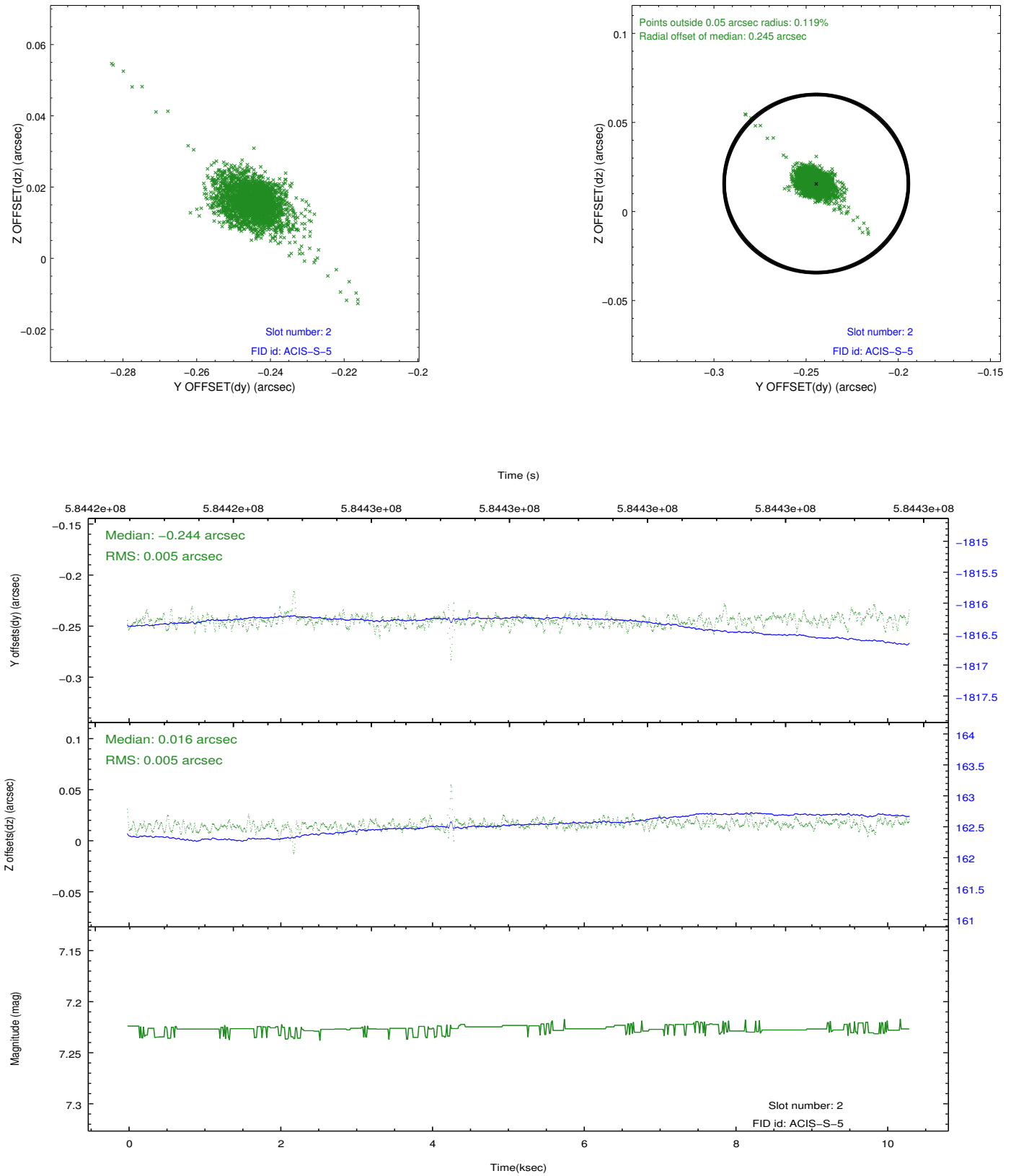
2.5.1 Slot 0



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)	2016.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9921398020983

A.2 Comments