

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17880 - L2 Version 1
Chandra X-Ray Center

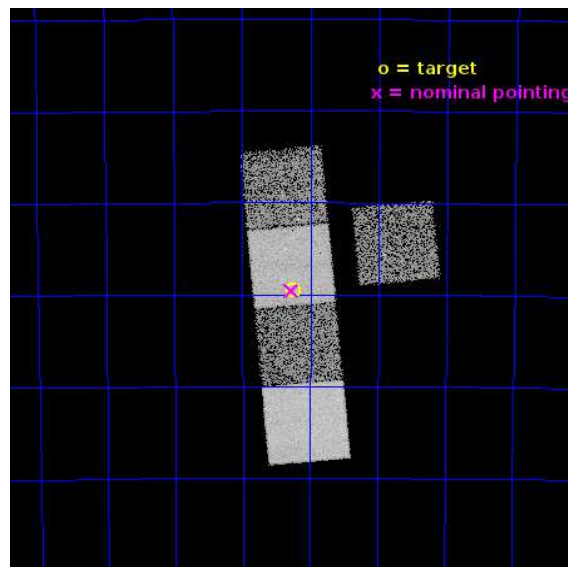
L2 Processing Date : Dec 13 2015

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1 Front

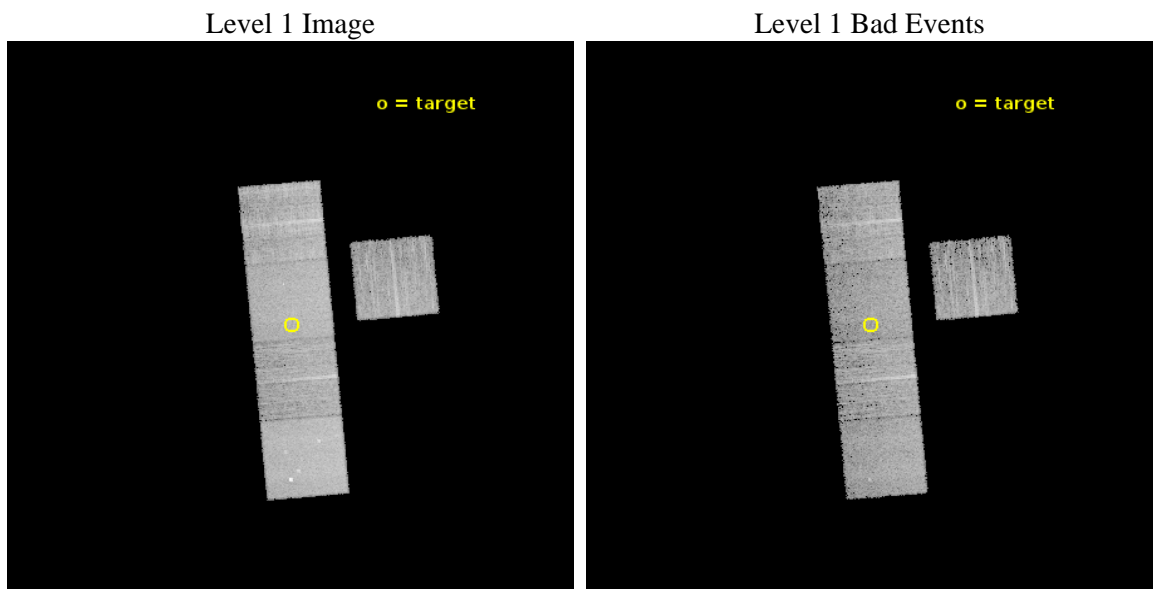
seq_num	502499	Sequence number
obs_id	17880	Observation id
title	Source of energy and pre-explosion progenitor evolution of Super-Luminous SNe	Proposal title
observer	Dr Raffaella Margutti	Principal investigator
object	ASASSN-15lh	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	330.564375	Observer's specified target RA [deg]
dec_targ	-61.659611	Observer's specified target Dec [deg]
ra_nom	330.56941863116	Nominal RA [deg]
dec_nom	-61.659761708161	Nominal Dec [deg]
roll_nom	264.84645607062	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10059.439520597	Sum of GTIs [s]
livetime	9928.0055376092	Livetime [s]
ontime3	10059.316400647	Sum of GTIs [s]
ontime5	10059.398480654	Sum of GTIs [s]
ontime6	10059.357440591	Sum of GTIs [s]
ontime7	10059.439520597	Sum of GTIs [s]
ontime8	10059.275360584	Sum of GTIs [s]
l2events	87225	Number of level 2 events



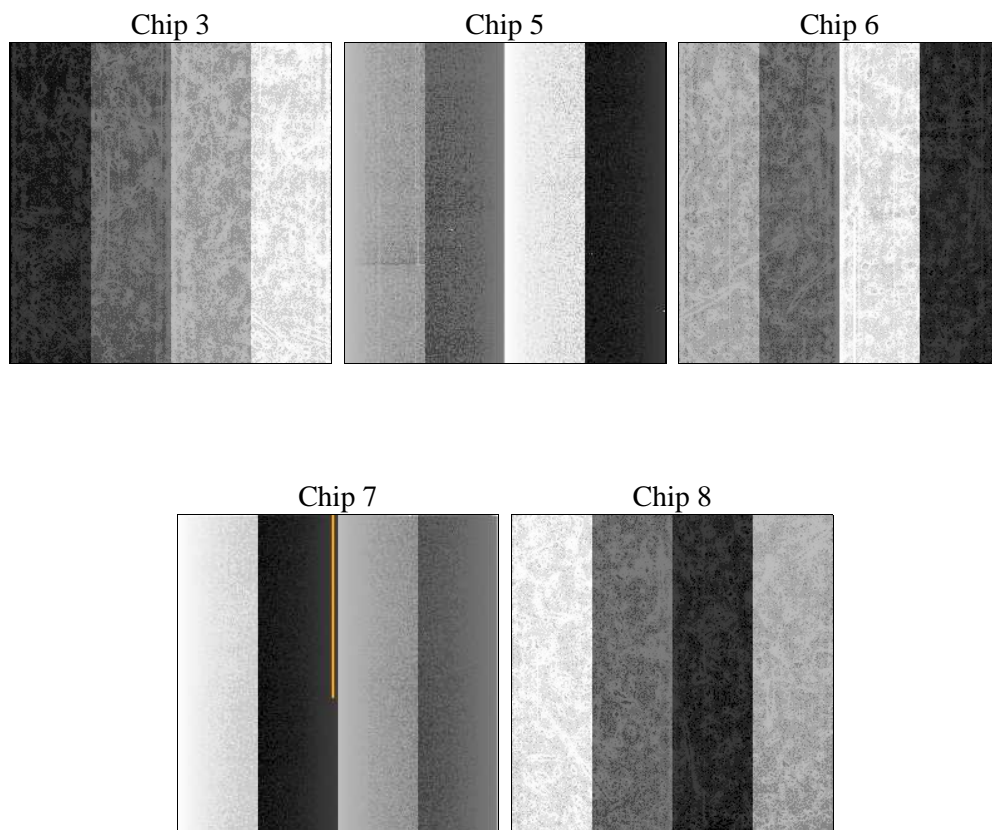
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.024000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	10059.439520597	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime3	10059.316400647	Sum of GTIs [s]
date	2015-12-14T01:52:27	Date and time of file creation	ontime5	10059.398480654	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10059.357440591	Sum of GTIs [s]
			ontime7	10059.439520597	Sum of GTIs [s]
			ontime8	10059.275360584	Sum of GTIs [s]
			l1events	337265	Number of level 1 events

2.1.4 Events

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51136	88303	55723	72282	69821
rejected events	45332	46002	49386	41236	51623
rejected %	88%	52%	88%	57%	73%

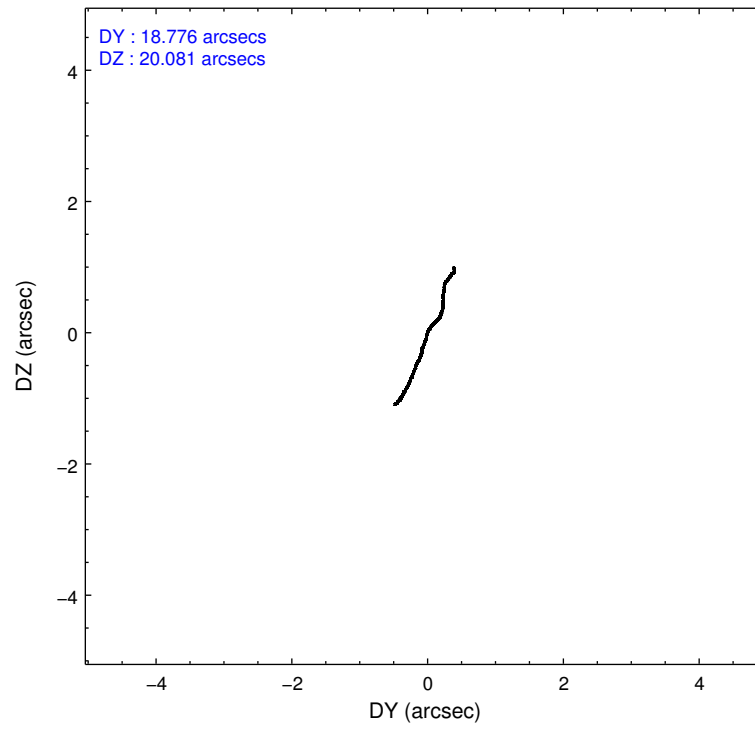
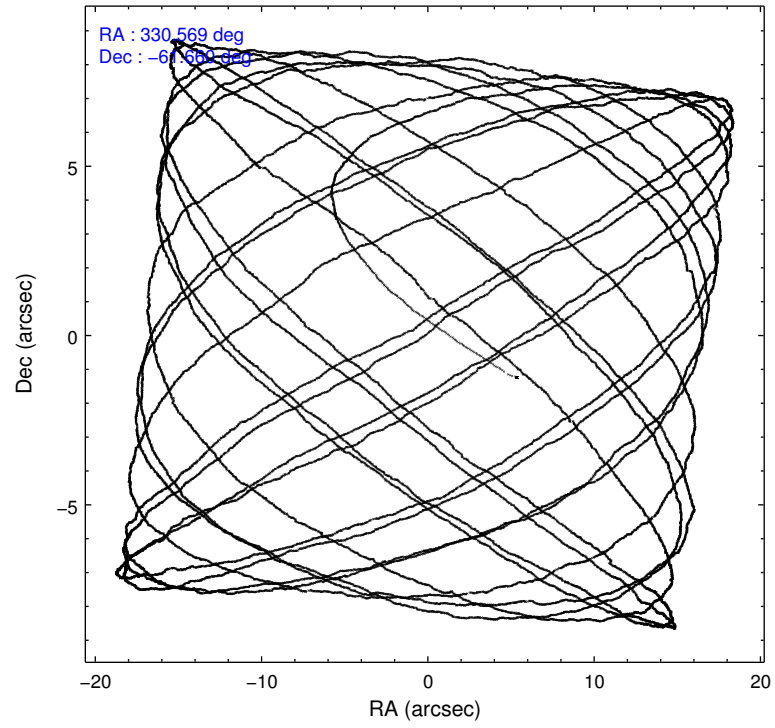
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2097	3633	2083	2570	5254
	4%	4%	3%	3%	7%
grade 1 events	41	325	24	86	54
	0%	0%	0%	0%	0%
grade 2 events	1249	12915	1508	6509	4490
	2%	14%	2%	9%	6%
grade 3 events	629	1286	606	2340	1808
	1%	1%	1%	3%	2%
grade 4 events	638	1211	597	2435	1656
	1%	1%	1%	3%	2%
grade 5 events	2788	5989	2600	7003	4049
	5%	6%	4%	9%	5%
grade 6 events	1191	23261	1543	17204	5000
	2%	26%	2%	23%	7%
grade 7 events	42503	39683	46762	34135	47510
	83%	44%	83%	47%	68%

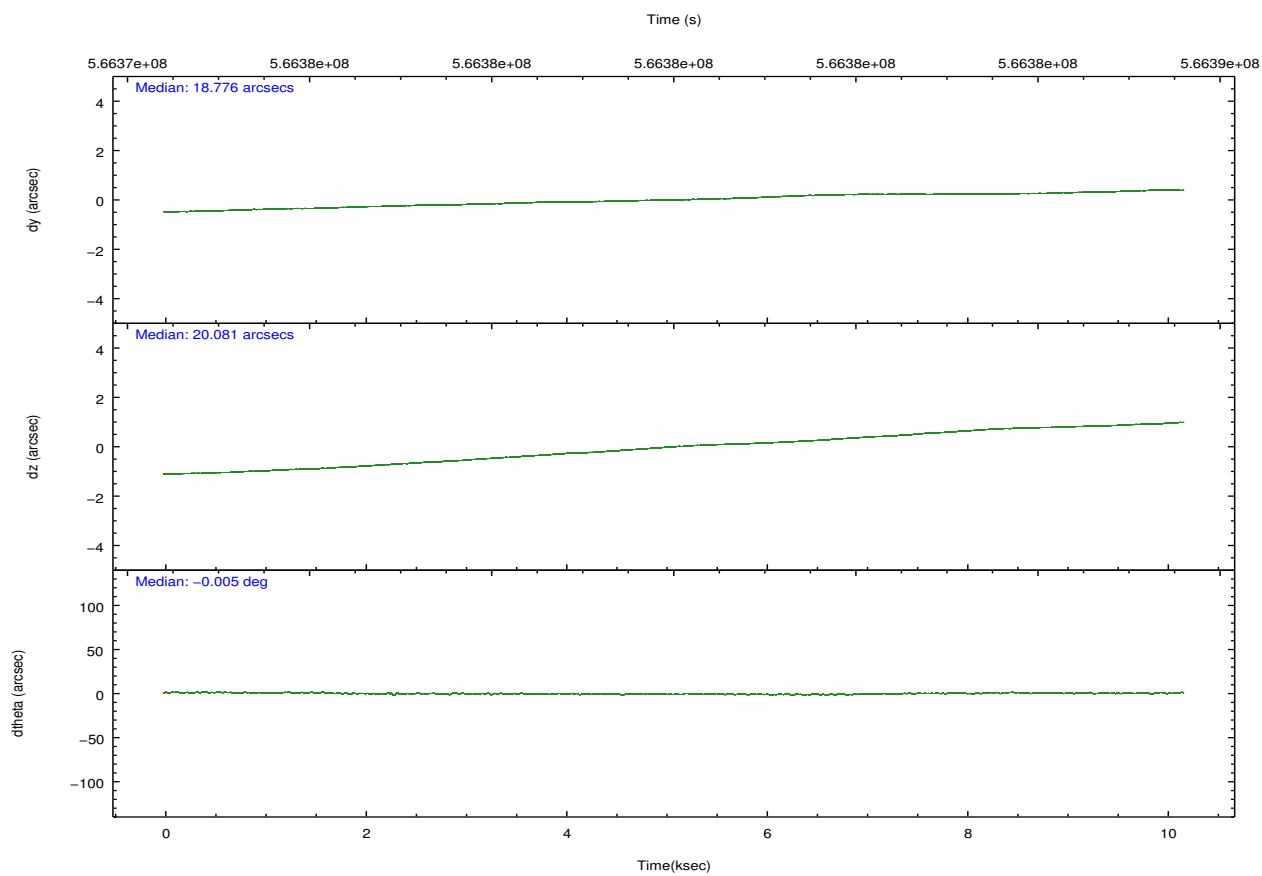
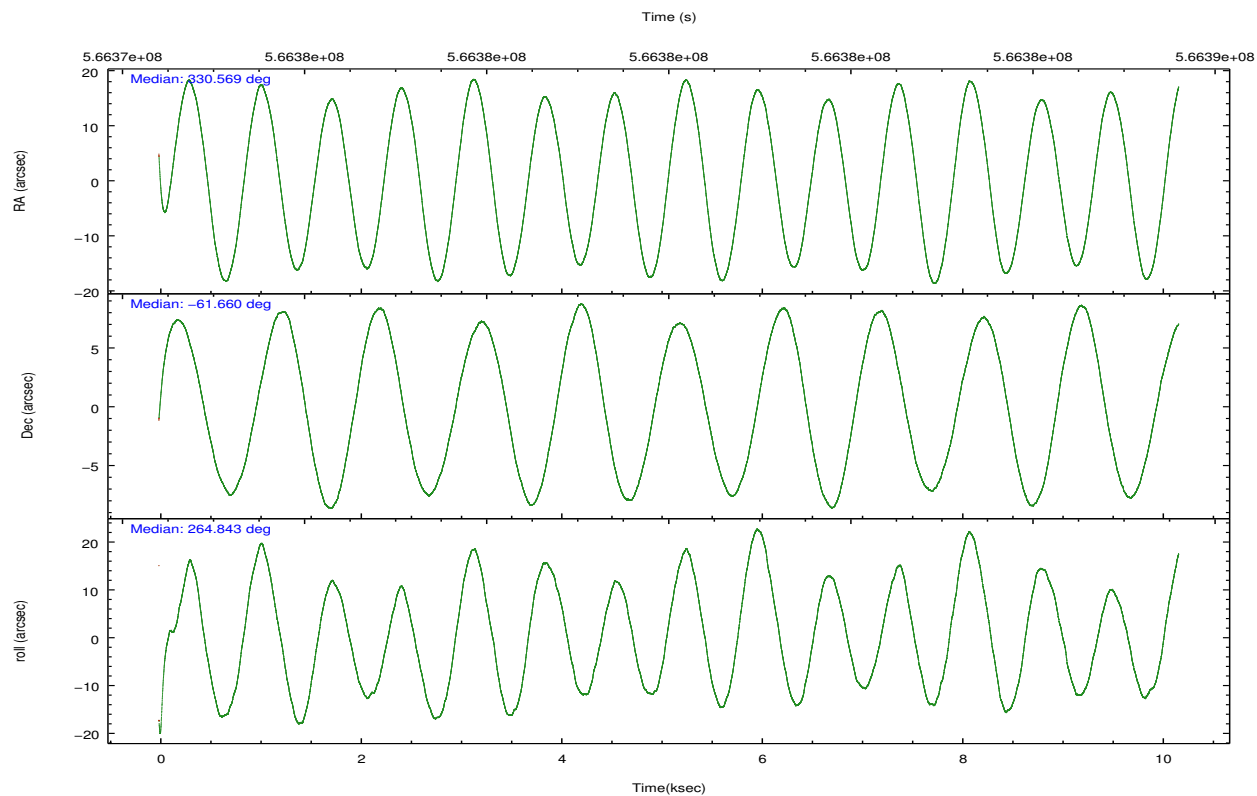
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-35678	ACIS-35678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	330.544428	330.5694186311633
[deg] Pointing Dec	-61.635017	-61.65976170816131
[deg] Pointing Roll	264.667875	264.8464560706227
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	566375066.184000	566374065.1104701
Observation start date	2015-12-13T06:23:18	2015-12-13T06:07:45
[s] Observation end time (MET)	566385066.184000	566385291.93611
Observation end date	2015-12-13T09:09:58	2015-12-13T09:14:51
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	N	N
CCD I3 on	O1	Y
CCD S0 on	N	N
CCD S1 on	Y	Y
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



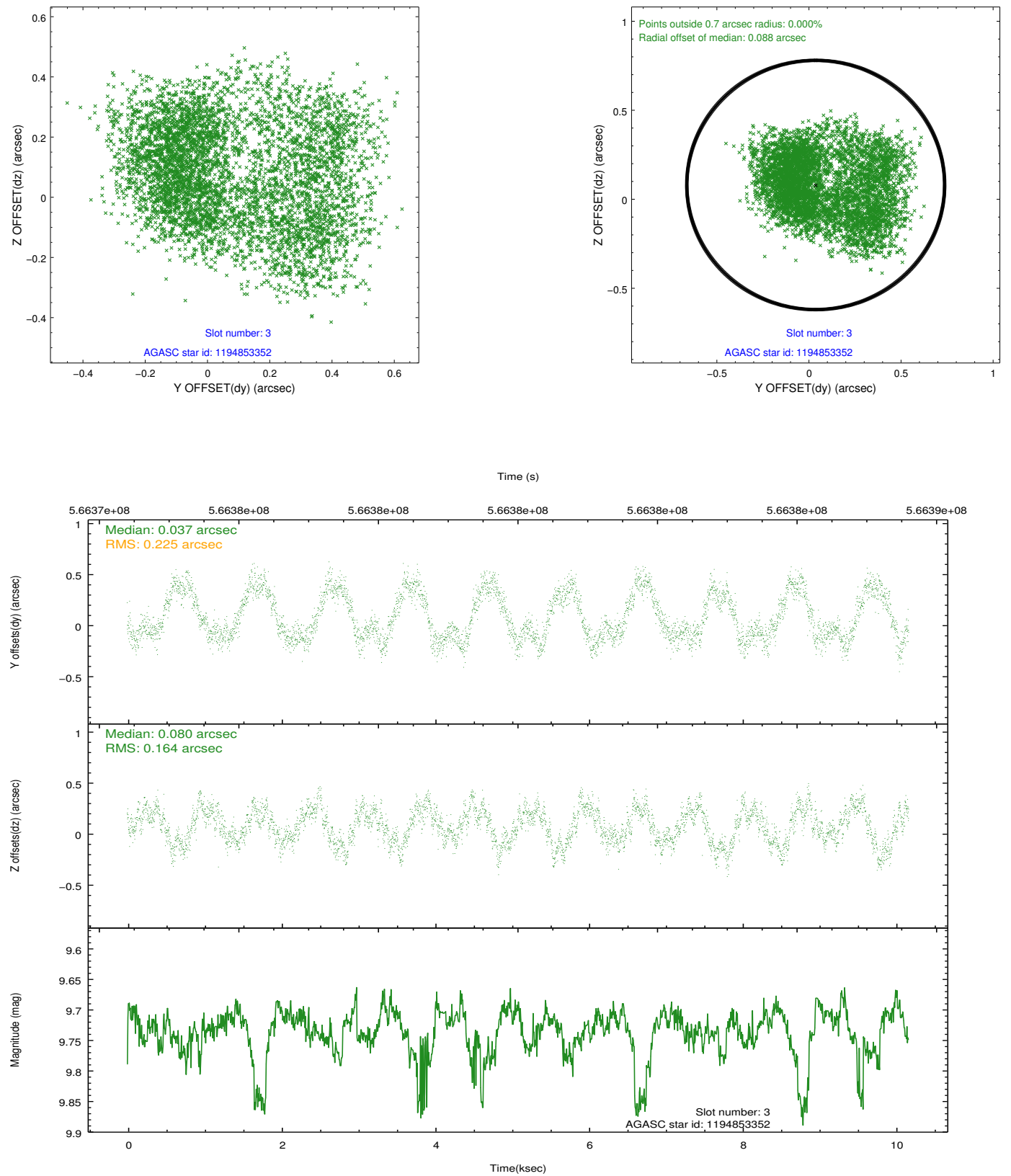


Slot Statistics

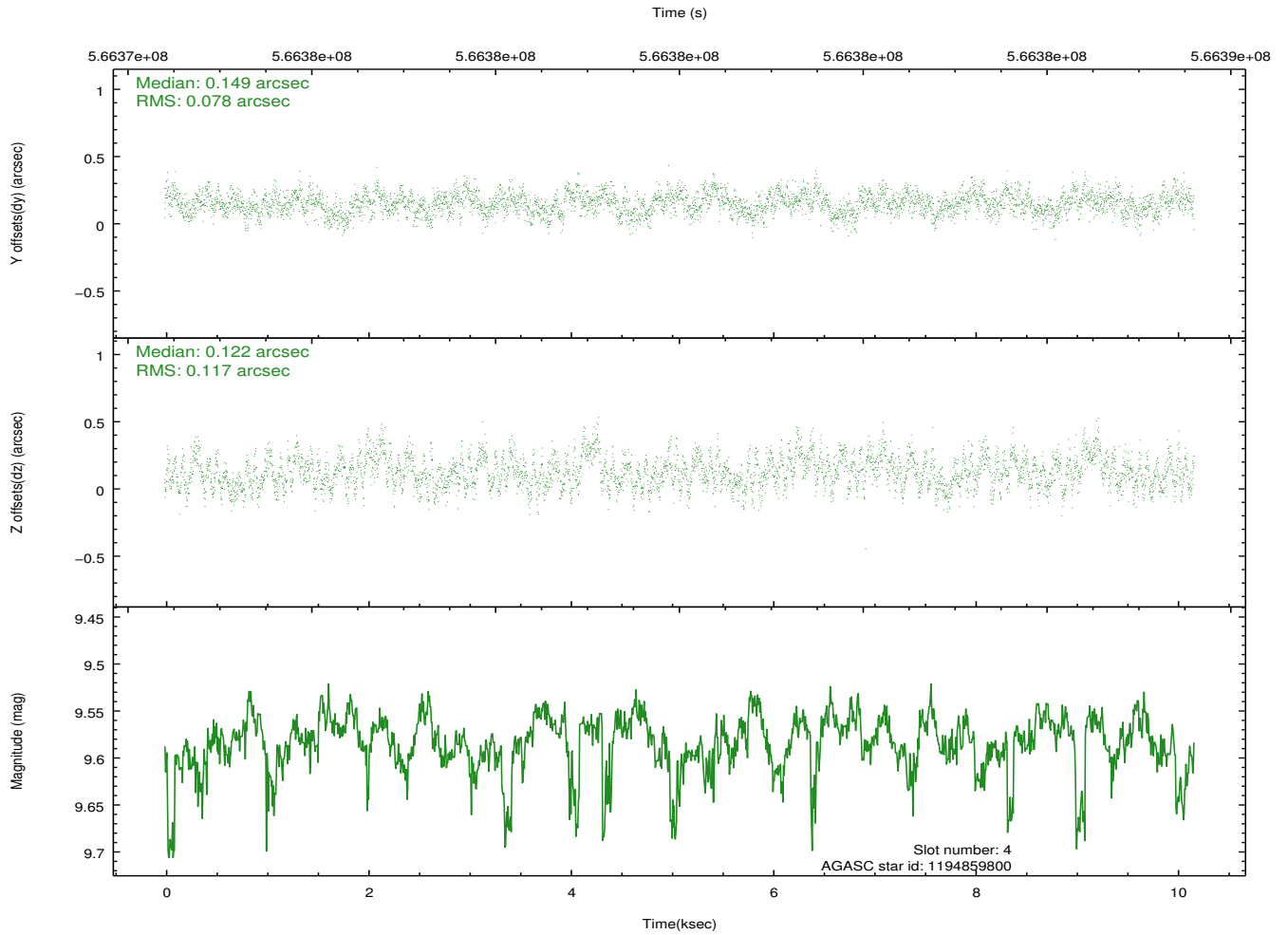
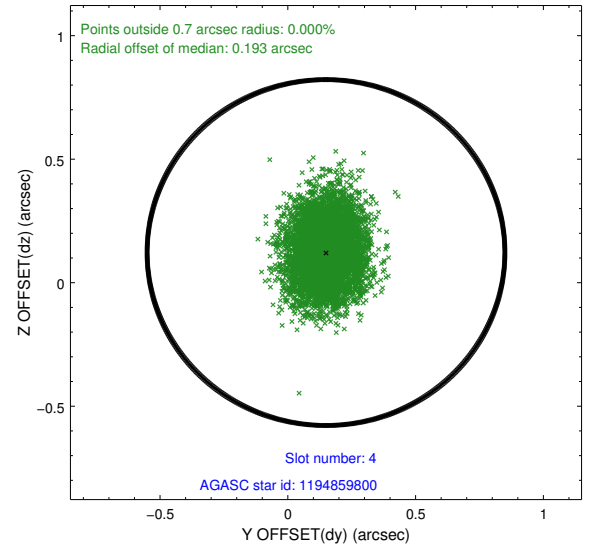
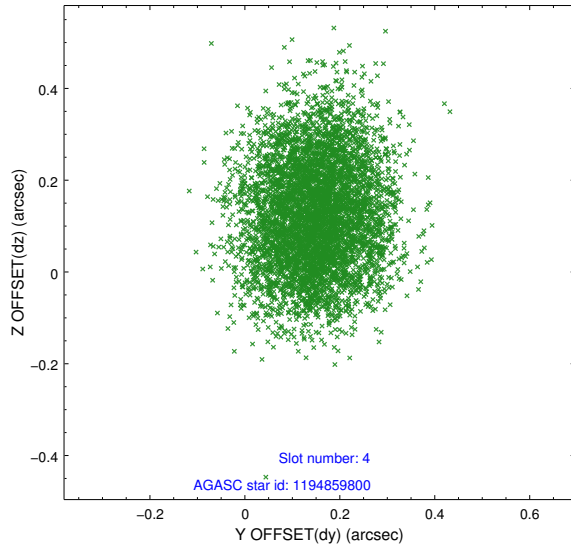
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	2482	-0.211	-0.130	0.017	0.044	0.000000	0.000000	-772.03	-1741.63
1	FID		ACIS-S-4	7.22	2482	0.487	0.134	0.009	0.015	0.000000	0.000000	2141.68	166.61
2	FID		ACIS-S-5	7.24	2479	-0.311	0.002	0.017	0.042	0.000000	0.000000	-1824.33	160.70
3	GUIDE	used	1194853352	9.73	4951	0.037	0.080	0.303	0.458	330.194439	-62.152900	1913.12	-412.53
4	GUIDE	used	1194859800	9.58	4958	0.149	0.122	0.151	0.239	329.309824	-61.451662	-438.76	-2174.30
5	GUIDE	used	1194865368	7.85	4961	-0.203	-0.351	0.096	0.148	331.076166	-61.872710	772.22	978.56
6	GUIDE	used	1194868384	9.35	4958	0.123	0.498	0.137	0.228	329.527729	-60.958336	-2245.89	-1993.76
7	GUIDE	used	1194992080	9.47	4869	-0.127	-0.351	0.302	0.420	331.833814	-61.543609	-511.21	2174.00

2.4 Star Slots

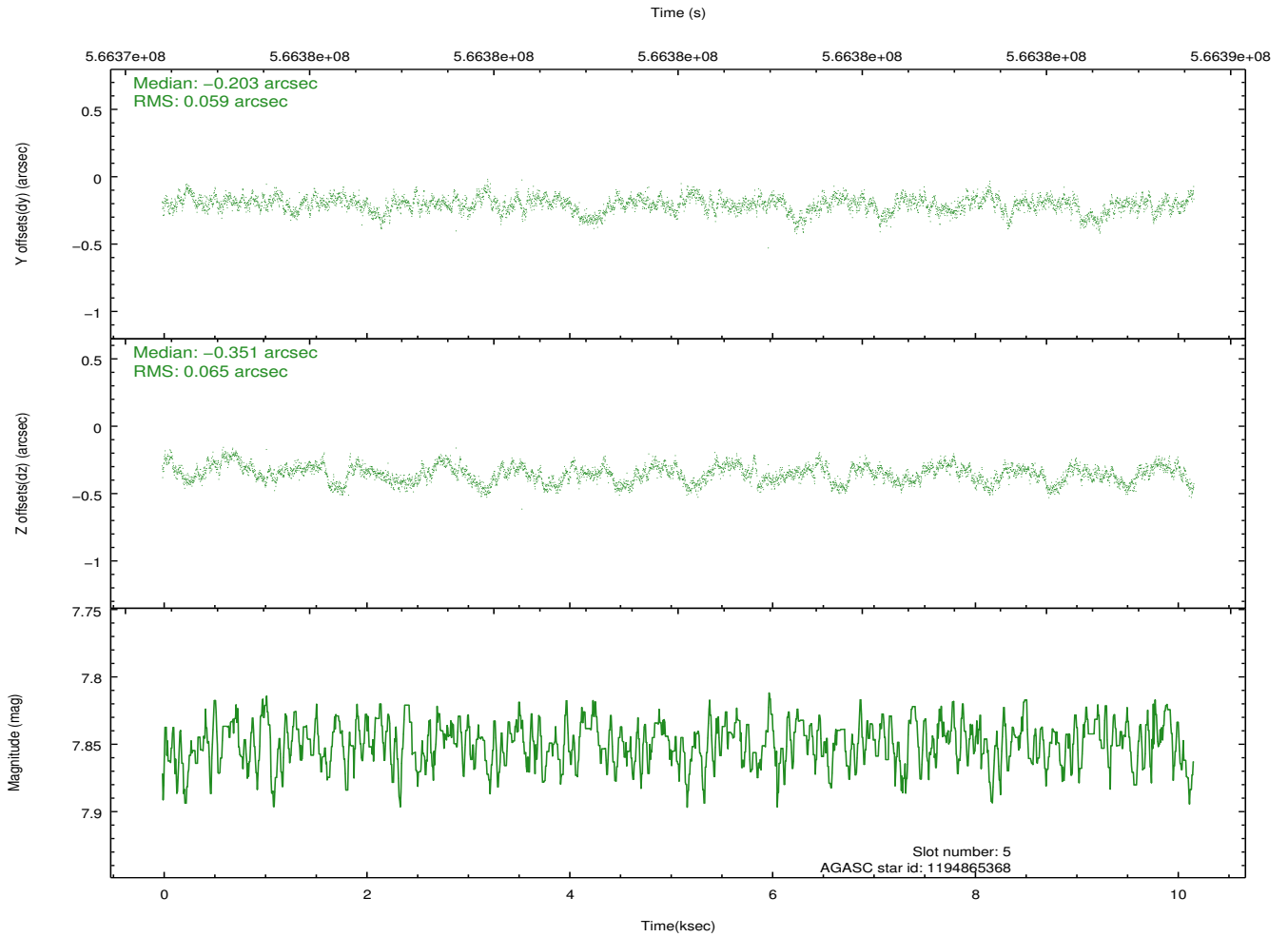
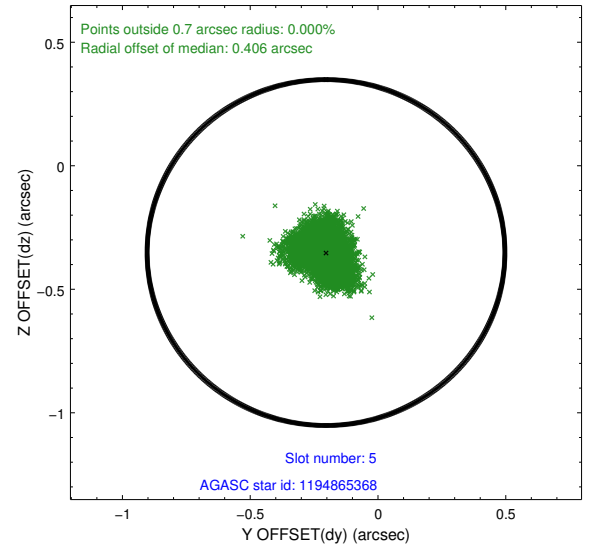
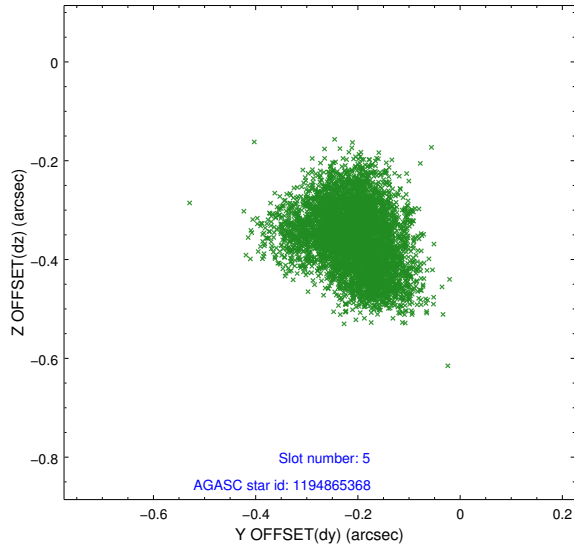
2.4.1 Slot 3



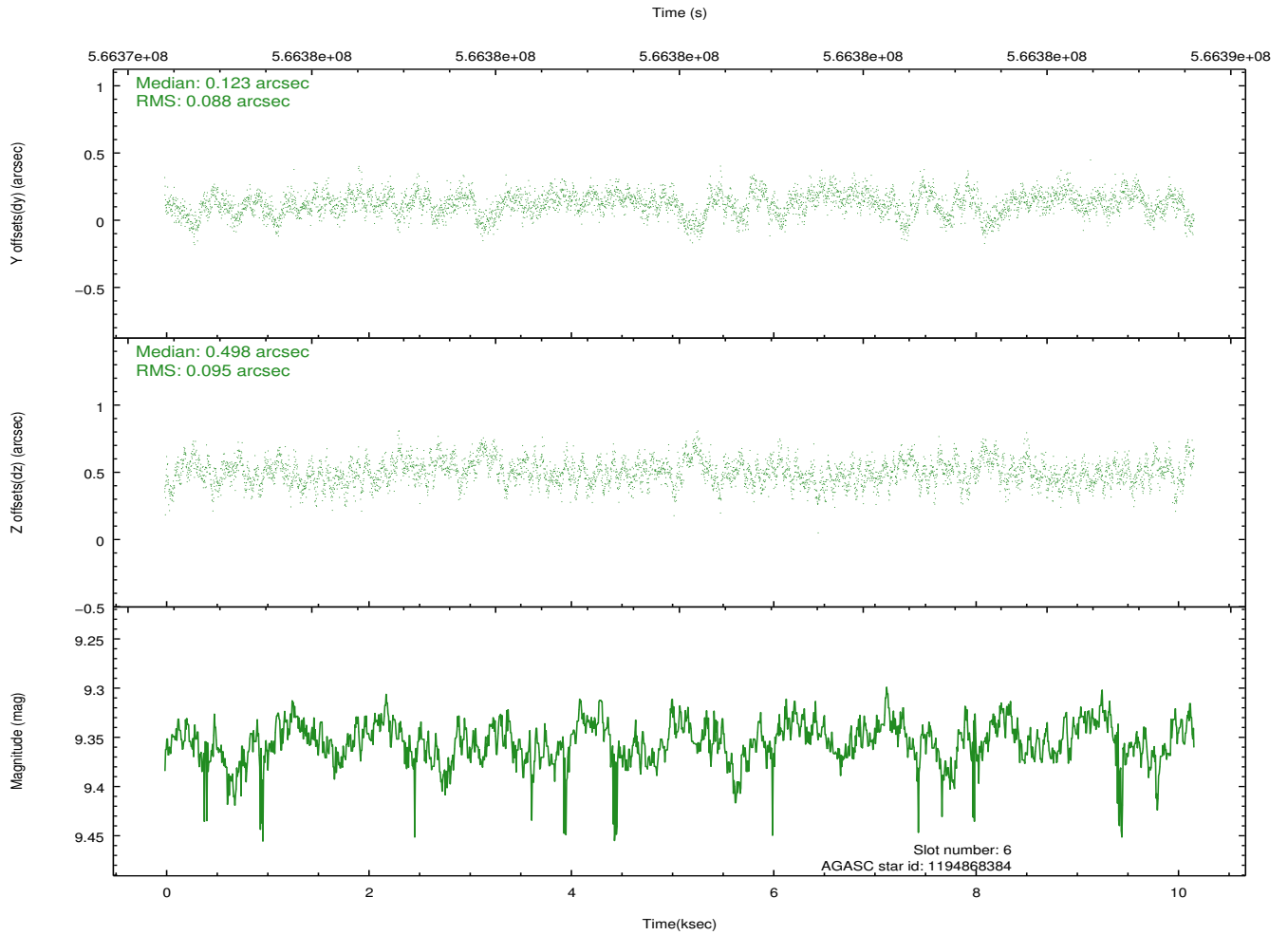
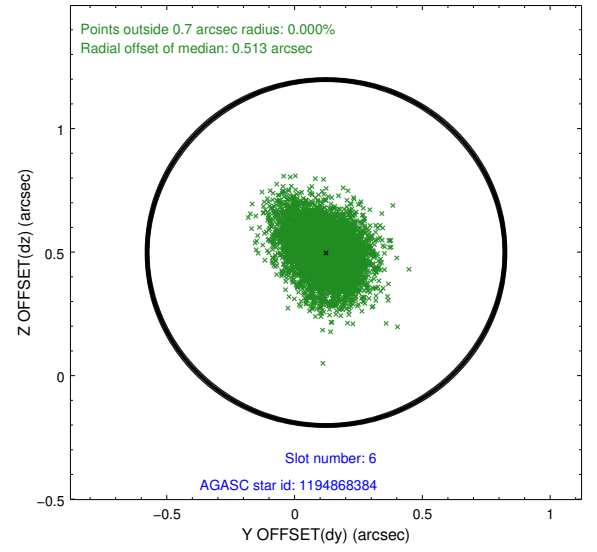
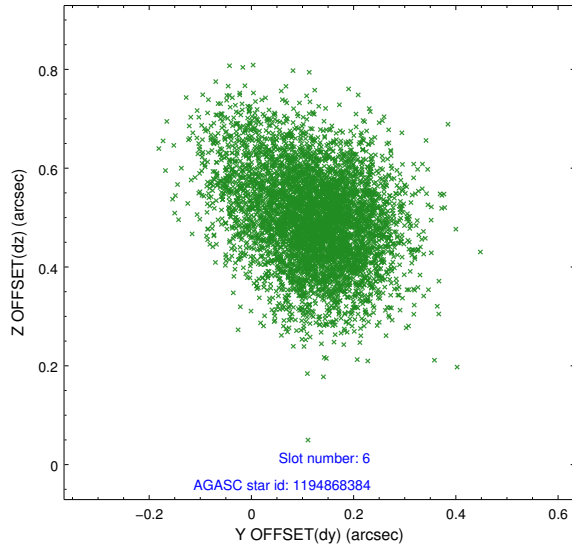
2.4.2 Slot 4



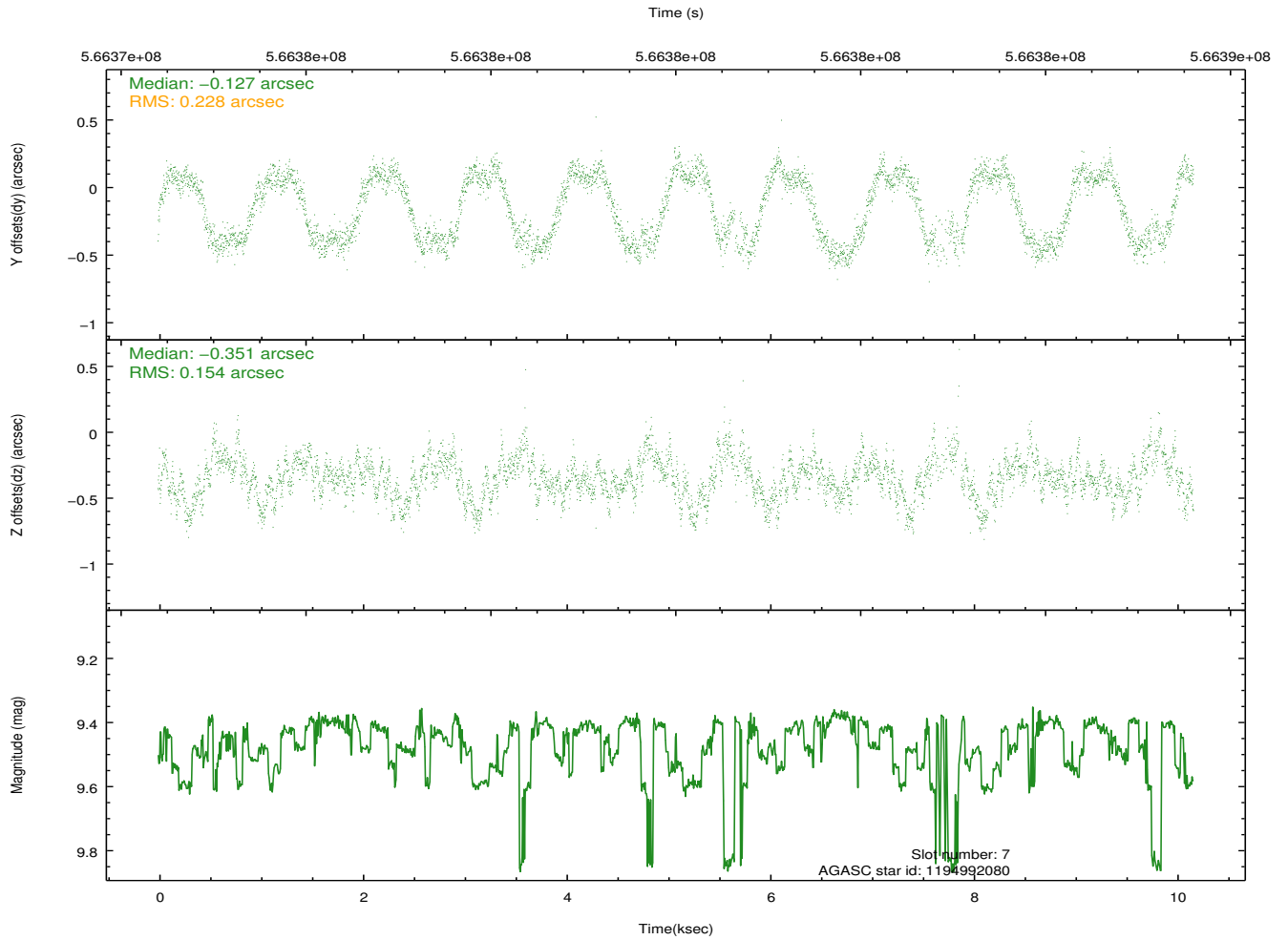
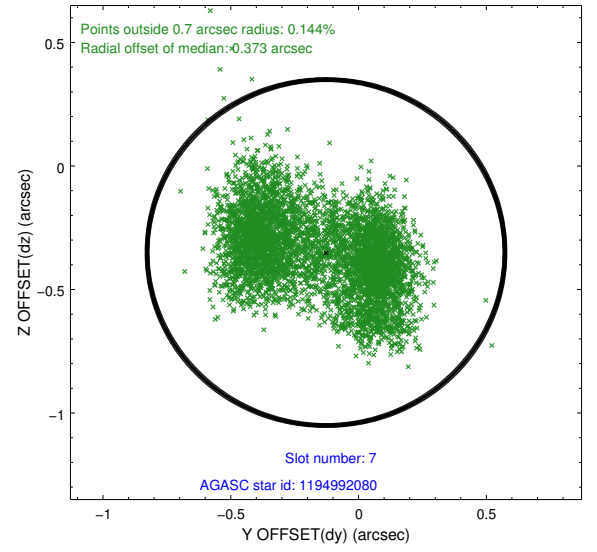
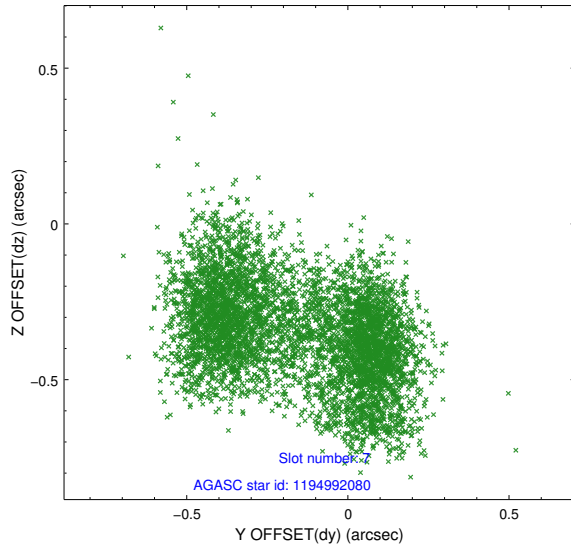
2.4.3 Slot 5



2.4.4 Slot 6

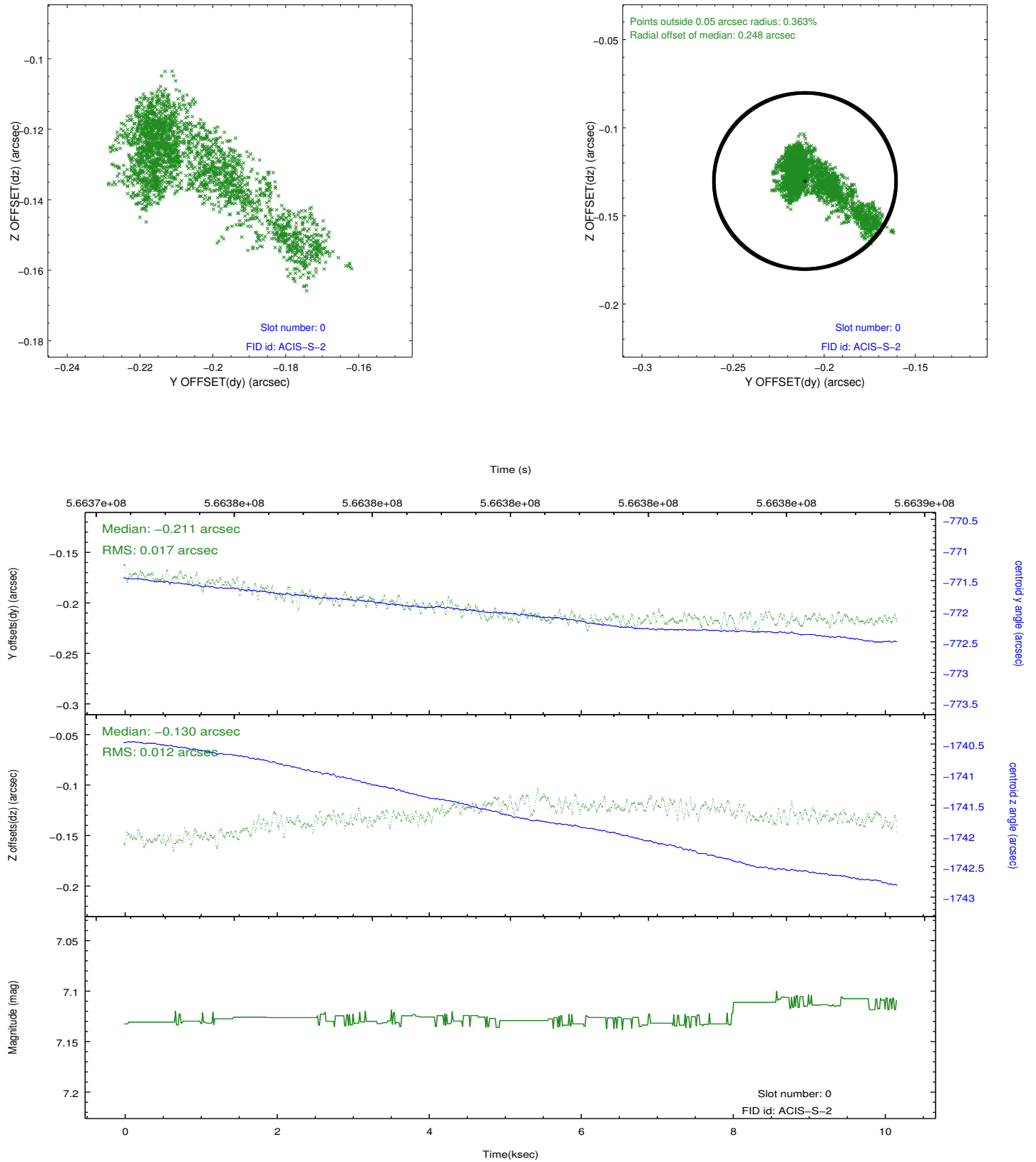


2.4.5 Slot 7

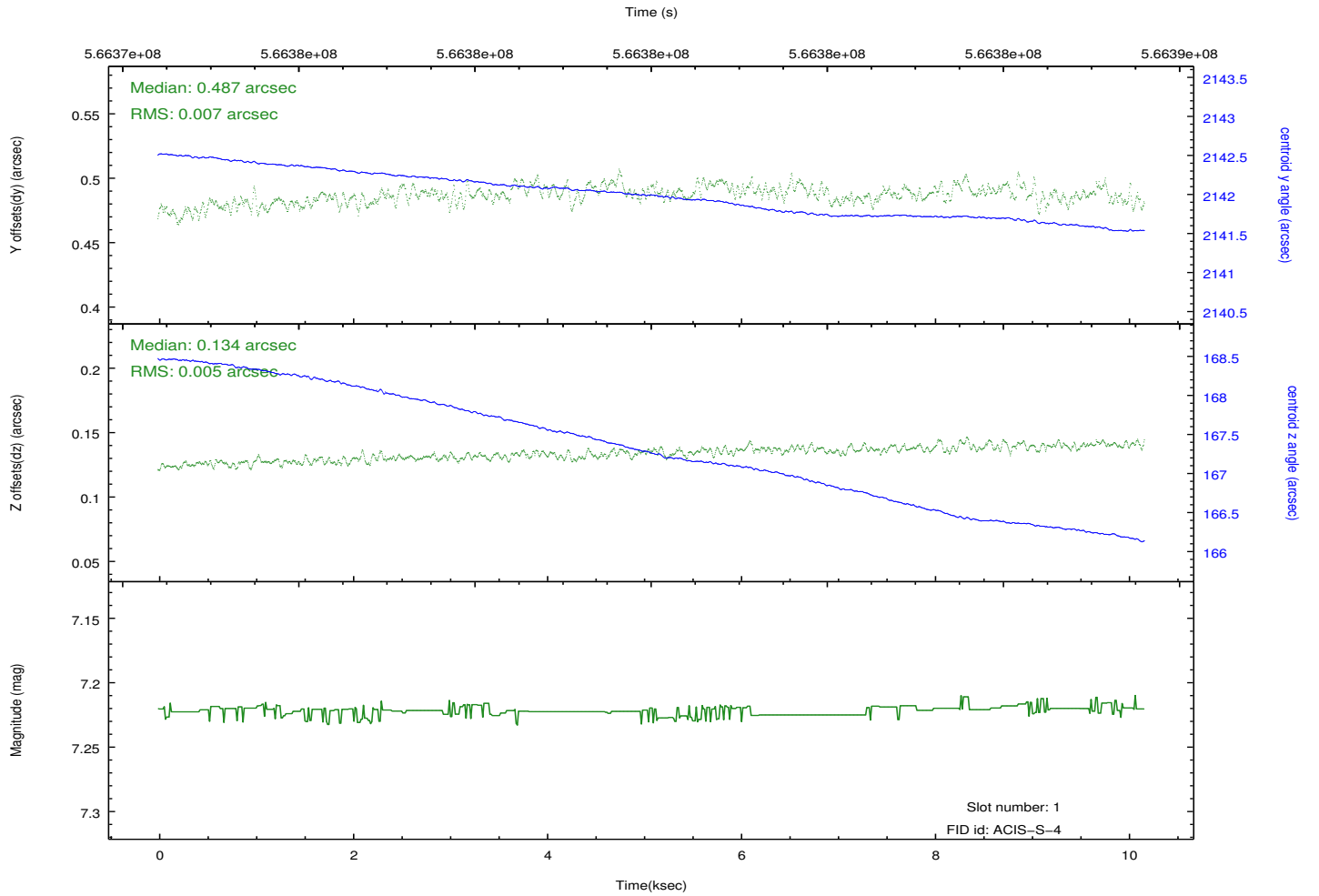
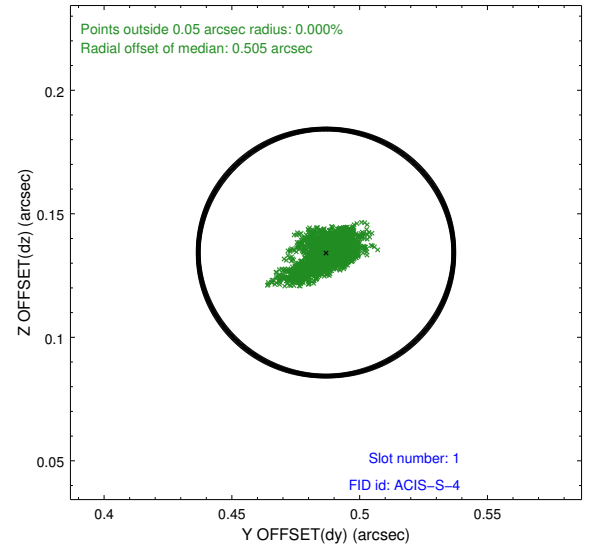
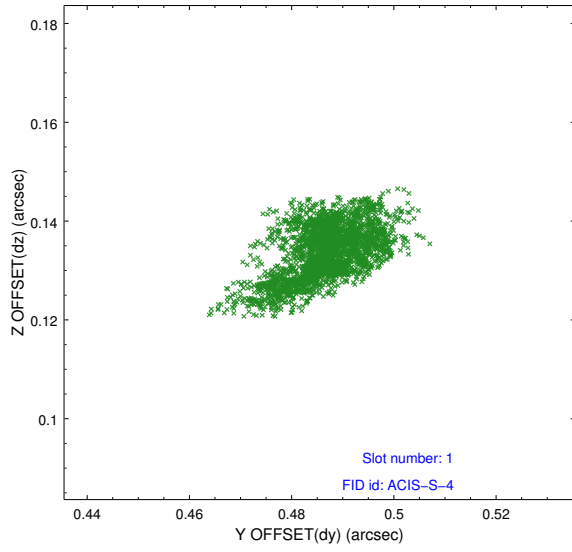


2.5 FID Slots

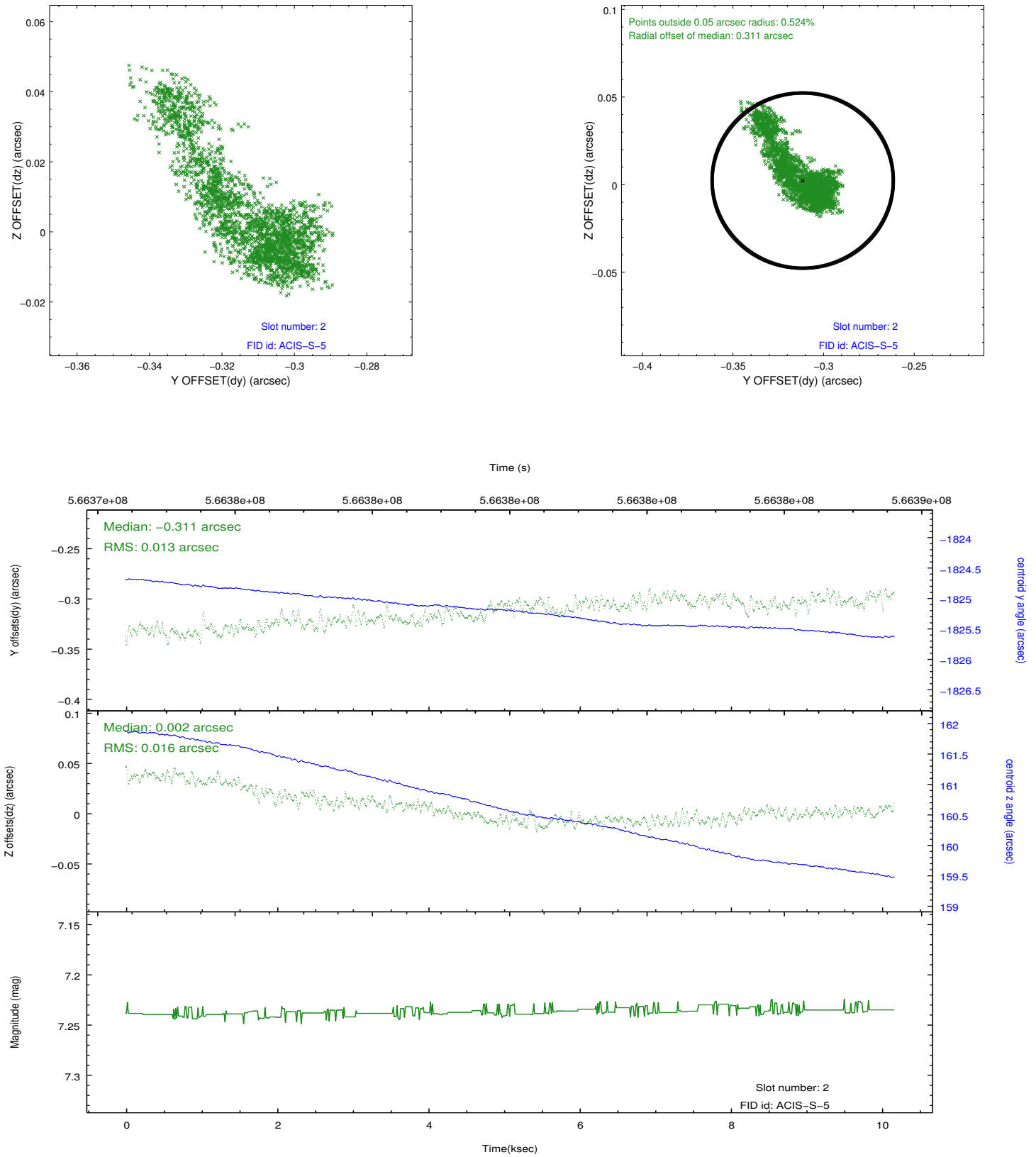
2.5.1 Slot 0



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)	2015.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.059439520597

A.2 Comments