

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 16664 - L2 Version 1
Chandra X-Ray Center

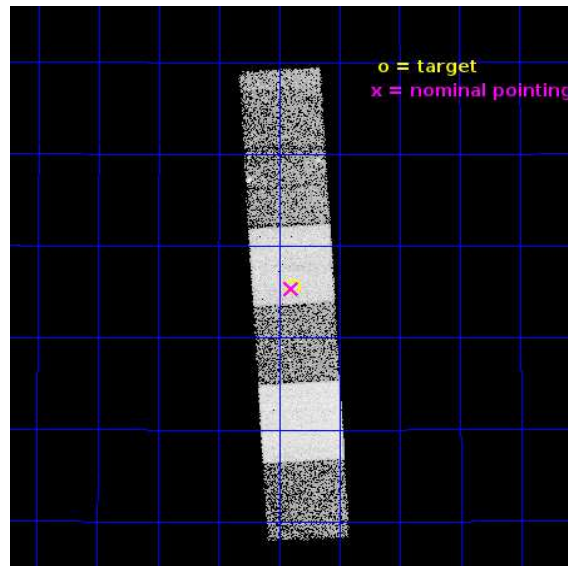
L2 Processing Date : Nov 14 2015

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1 Front

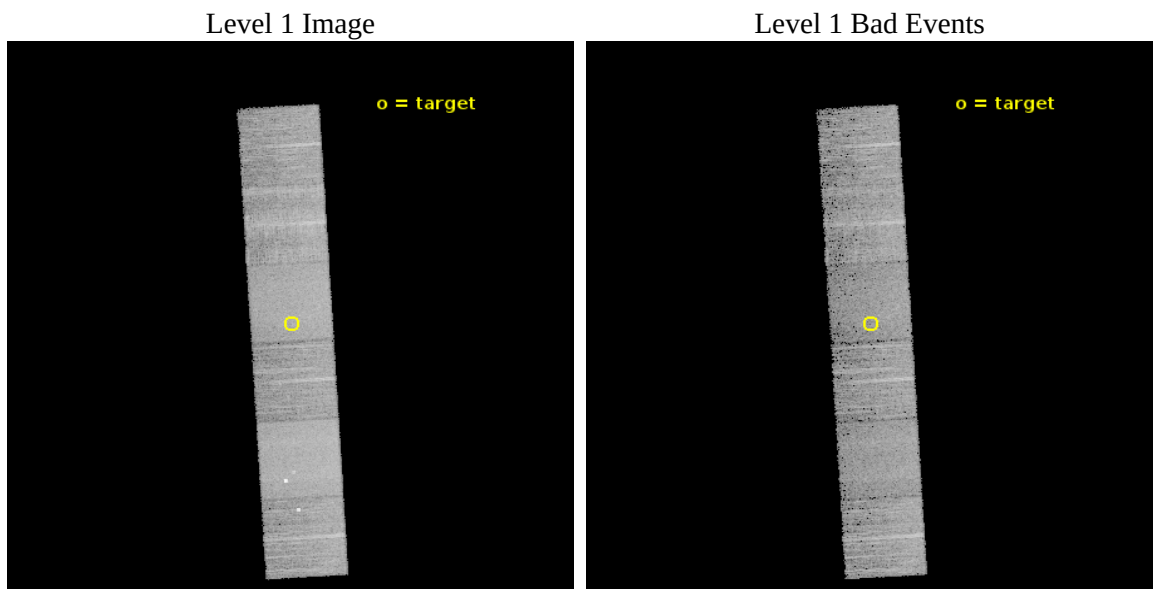
seq_num	200985	Sequence number
obs_id	16664	Observation id
title	An age-activity calibration for old low-mass stars	Proposal title
observer	Dr Katja Poppenhaeger	Principal investigator
object	LP347-5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	355.970417	Observer's specified target RA [deg]
dec_targ	32.593833	Observer's specified target Dec [deg]
ra_nom	355.97423114952	Nominal RA [deg]
dec_nom	32.589397473273	Nominal Dec [deg]
roll_nom	266.57642804263	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9993.6001489162	Sum of GTIs [s]
livetime	9867.0551664071	Livetime [s]
ontime4	9993.6001489162	Sum of GTIs [s]
ontime5	9993.6001489162	Sum of GTIs [s]
ontime6	9993.6001489162	Sum of GTIs [s]
ontime7	9993.6001489162	Sum of GTIs [s]
ontime8	9993.6001489162	Sum of GTIs [s]
ontime9	9993.6001489162	Sum of GTIs [s]
l2events	90012	Number of level 2 events



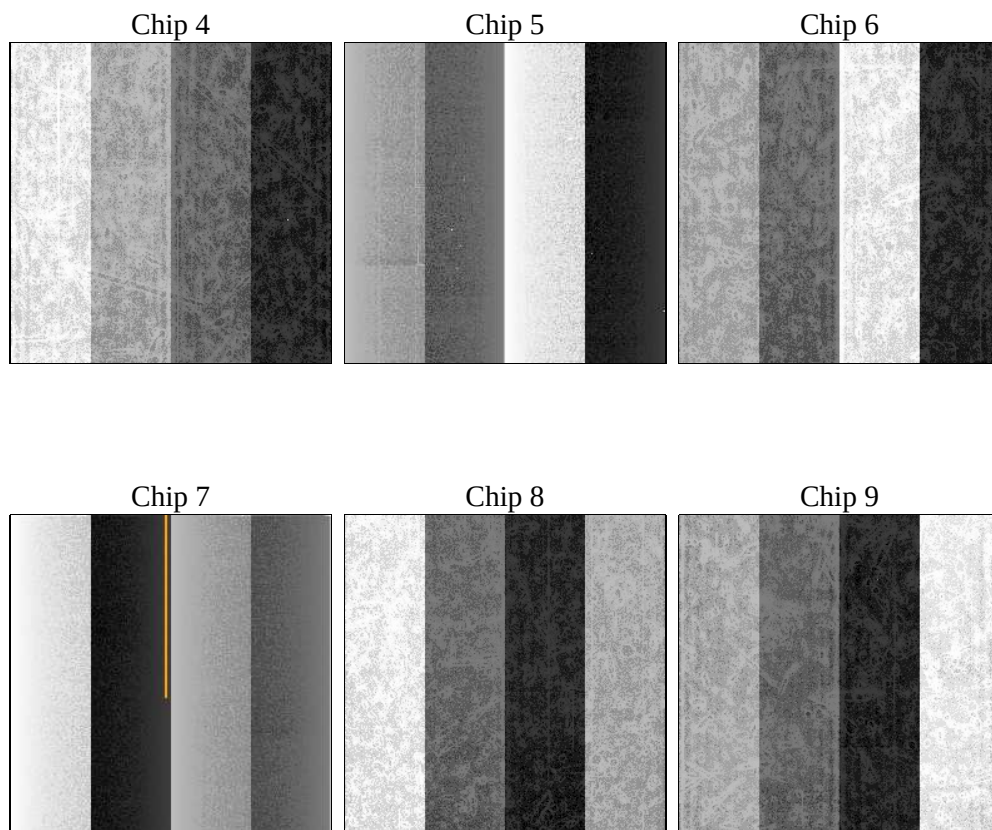
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10050.504000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	9993.6001489162	Sum of GTIs [s]
caldbver	4.6.10a	 	ontime4	9993.6001489162	Sum of GTIs [s]
date	2015-11-14T14:46:12	Date and time of file creation	ontime5	9993.6001489162	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	9993.6001489162	Sum of GTIs [s]
			ontime7	9993.6001489162	Sum of GTIs [s]
			ontime8	9993.6001489162	Sum of GTIs [s]
			ontime9	9993.6001489162	Sum of GTIs [s]
			l1events	396983	Number of level 1 events

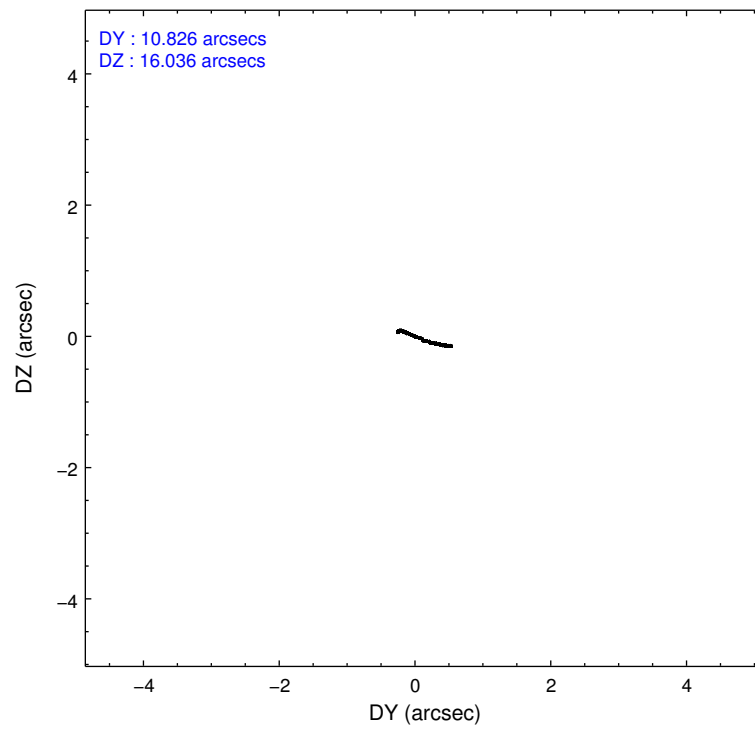
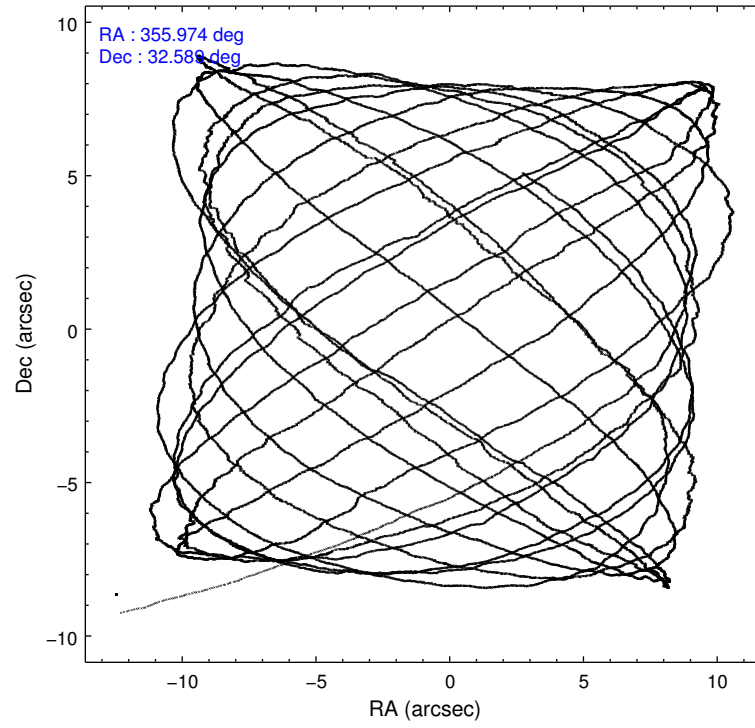
2.1.4 Events

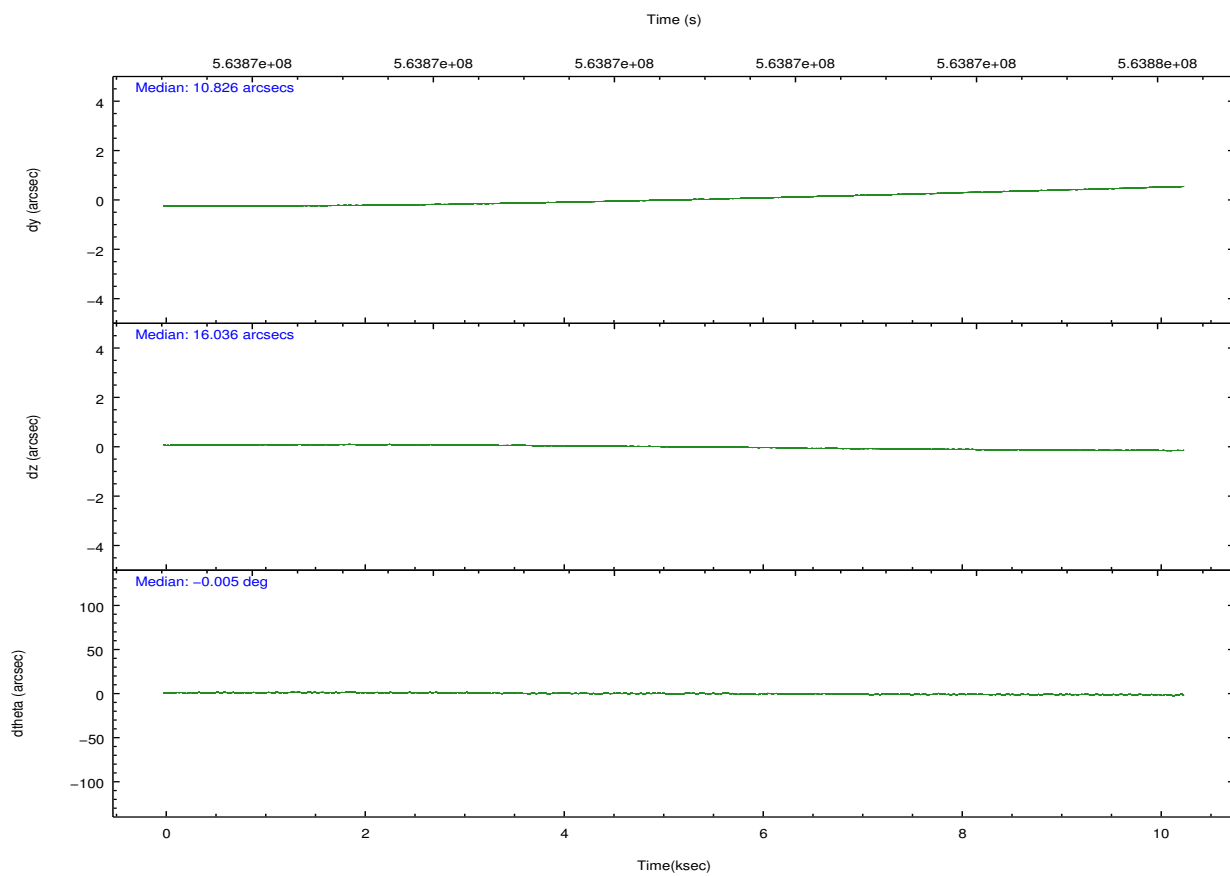
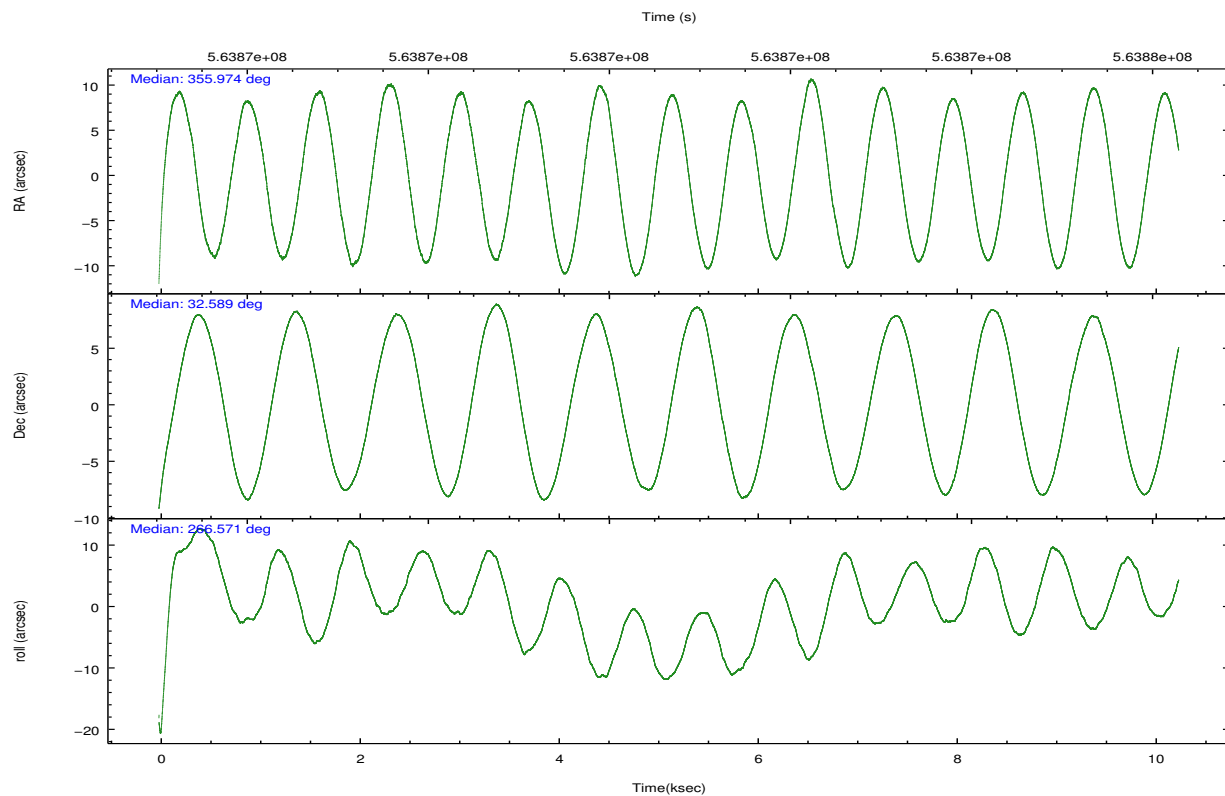
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	62519	86320	54736	71032	69440	52936	grade 0 events	3344	3105	2040	2402	5179	2228
rejected events	55187	45053	48538	40684	51691	46618		5%	3%	3%	3%	7%	4%
rejected %	88%	52%	88%	57%	74%	88%	grade 1 events	62	201	29	79	52	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	1557	12954	1389	6375	4121	1441
								2%	15%	2%	8%	5%	2%
							grade 3 events	650	1299	635	2434	1878	650
								1%	1%	1%	3%	2%	1%
							grade 4 events	638	1181	612	2299	1825	604
								1%	1%	1%	3%	2%	1%
							grade 5 events	2656	5794	2608	7033	3882	2838
								4%	6%	4%	9%	5%	5%
							grade 6 events	1144	22748	1523	16845	4747	1397
								1%	26%	2%	23%	6%	2%
							grade 7 events	52468	39038	45900	33565	47756	43756
								83%	45%	83%	47%	68%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	355.959204	355.9742311495245	CCD I2 on	N	N
[deg] Pointing Dec	32.613793	32.58939747327285	CCD I3 on	N	N
[deg] Pointing Roll	266.427949	266.5764280426264	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	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)	563865711.184000	563864719.41833	CCD S5 on	O2	Y
Observation start date	2015-11-14T05:20:43	2015-11-14T05:05:19	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	563875762.184000	563875989.29396	On-chip summing requested	N	N
Observation end date	2015-11-14T08:08:14	2015-11-14T08:13:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



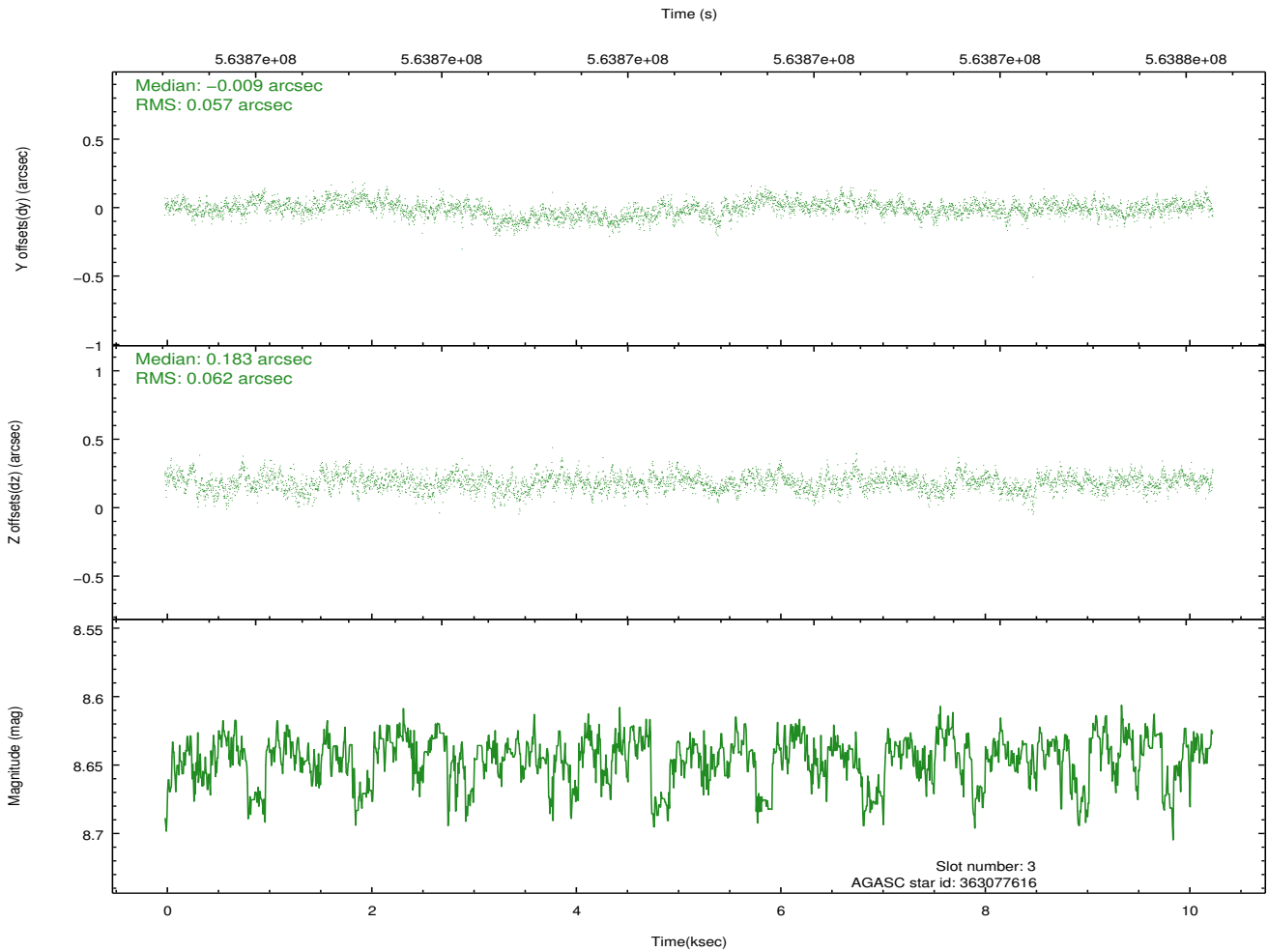
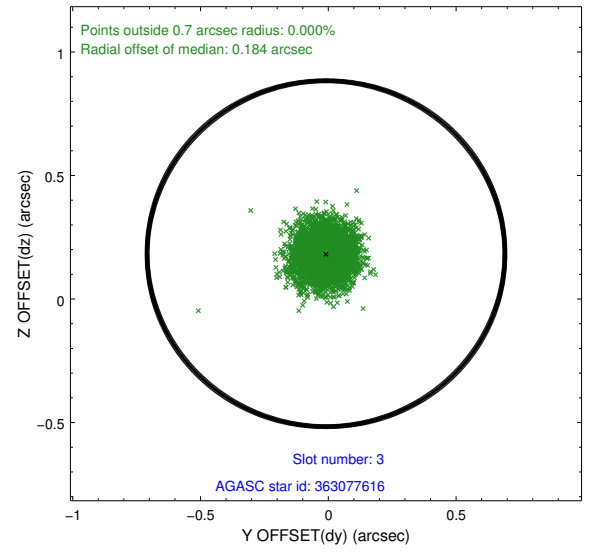
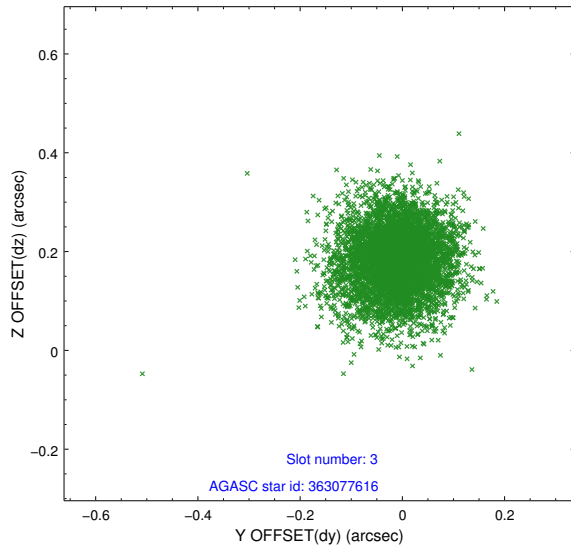


Slot Statistics

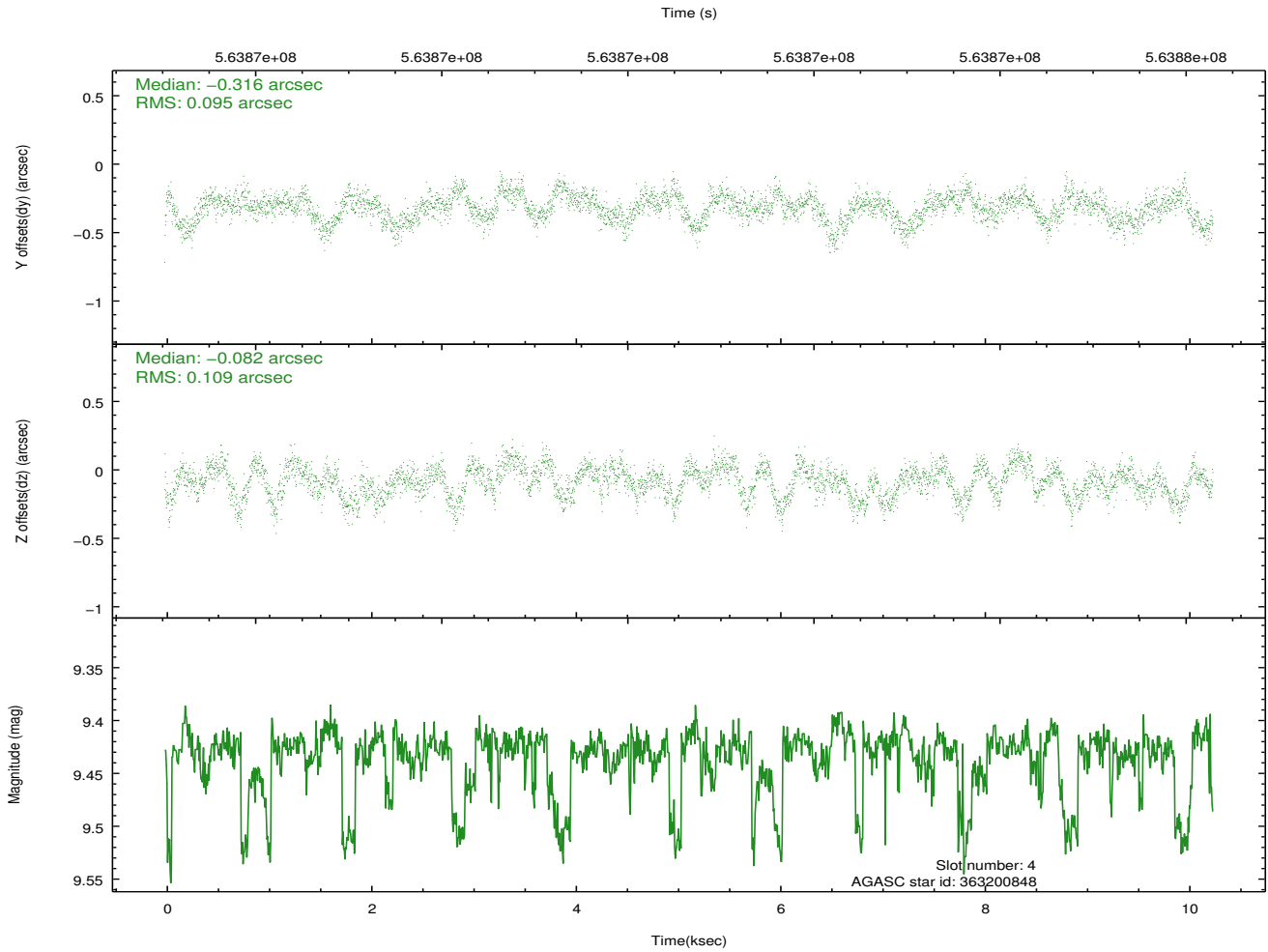
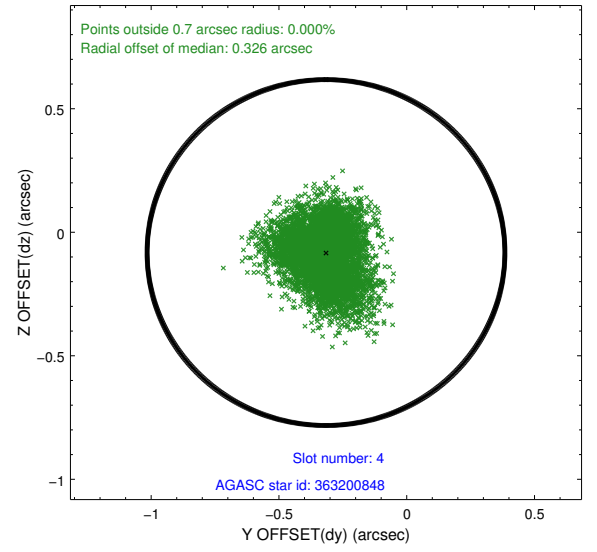
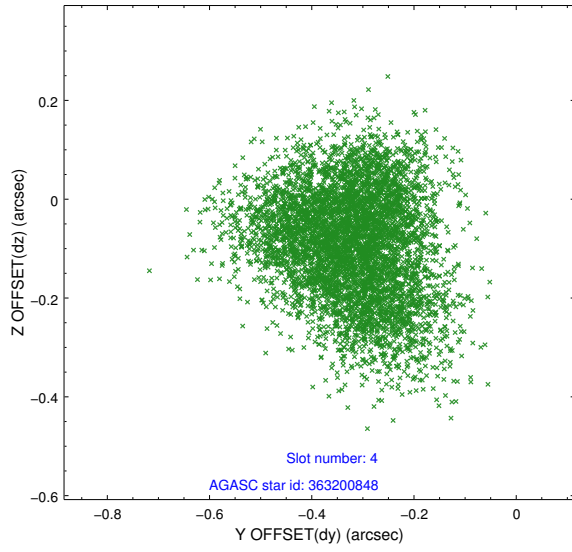
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	2500	-0.141	-0.055	0.009	0.014	0.000000	0.000000	-763.85	-1737.49
1	FID		ACIS-S-4	7.23	2500	0.353	0.083	0.008	0.014	0.000000	0.000000	2149.66	170.63
2	FID		ACIS-S-5	7.25	2500	-0.244	-0.019	0.007	0.012	0.000000	0.000000	-1816.16	164.74
3	GUIDE	used	363077616	8.64	4998	-0.009	0.183	0.089	0.148	355.188280	32.621931	108.38	-2335.02
4	GUIDE	used	363200848	9.43	4998	-0.316	-0.082	0.155	0.248	356.377310	33.093504	-1804.88	1150.19
5	GUIDE	used	363203272	8.70	4998	0.003	0.045	0.099	0.160	356.490113	33.058333	-1701.05	1499.43
6	GUIDE	used	363206168	9.04	5000	0.129	0.067	0.125	0.207	355.825205	32.371668	894.81	-351.15
7	GUIDE	used	363206512	9.02	4999	0.204	-0.206	0.108	0.180	356.343322	32.191598	1442.42	1262.52

2.4 Star Slots

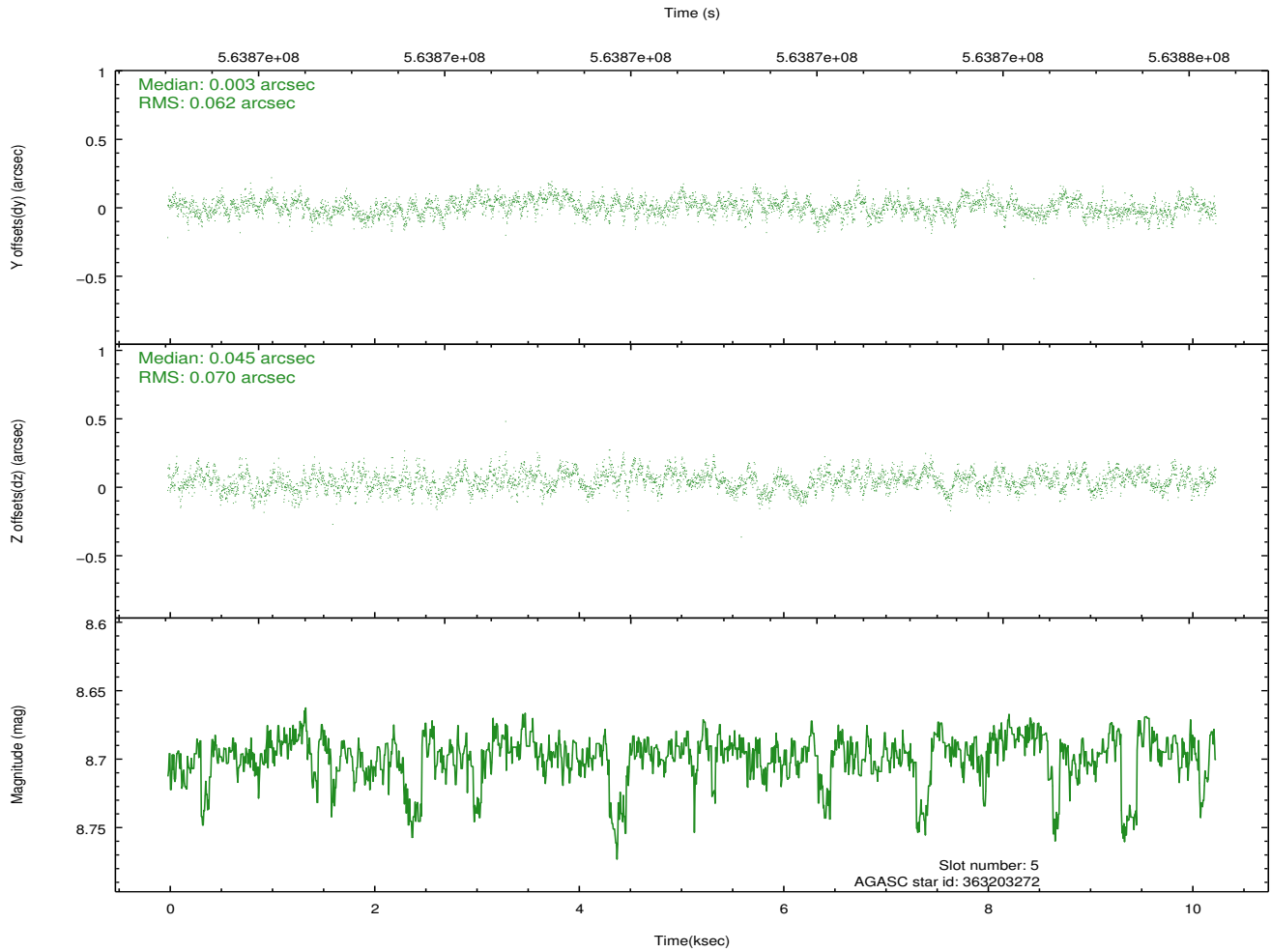
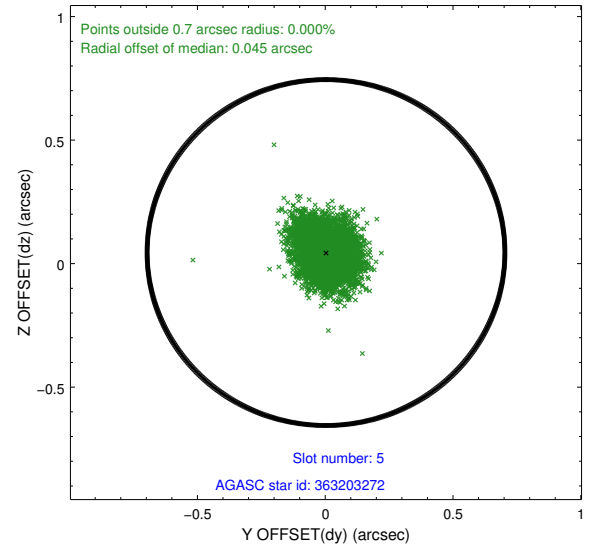
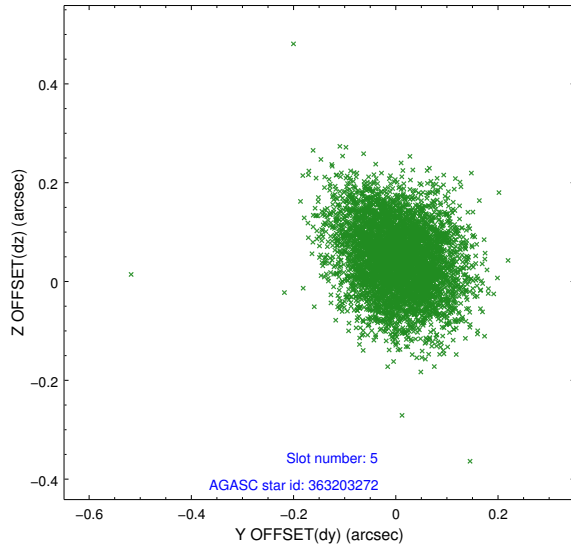
2.4.1 Slot 3



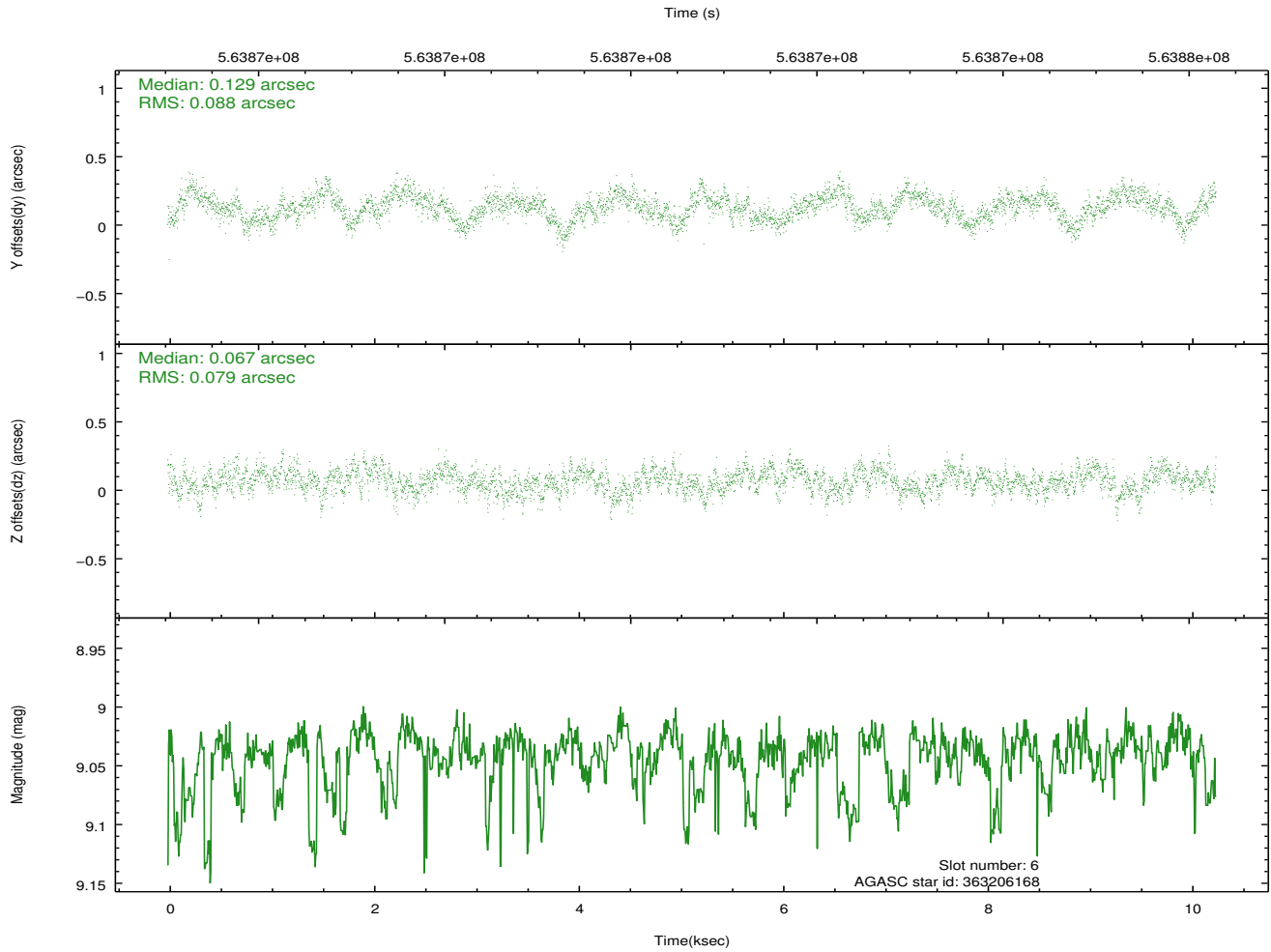
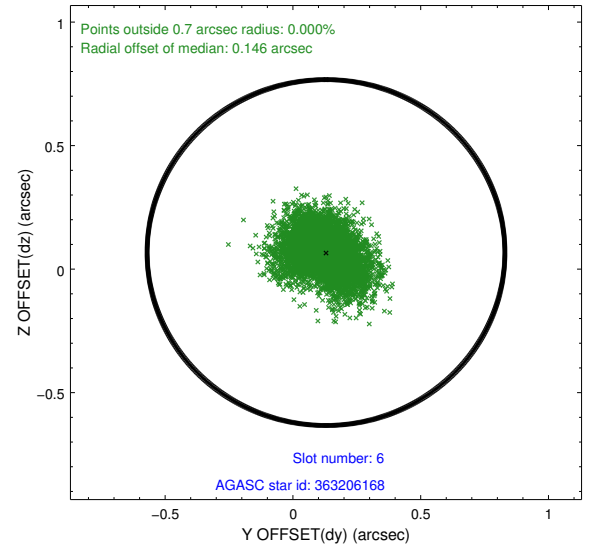
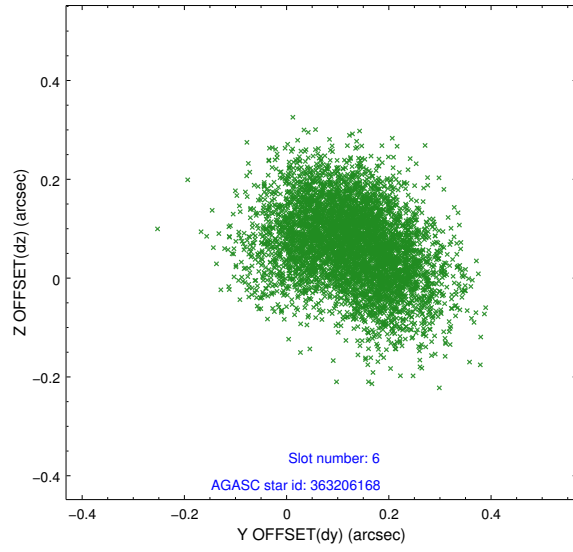
2.4.2 Slot 4



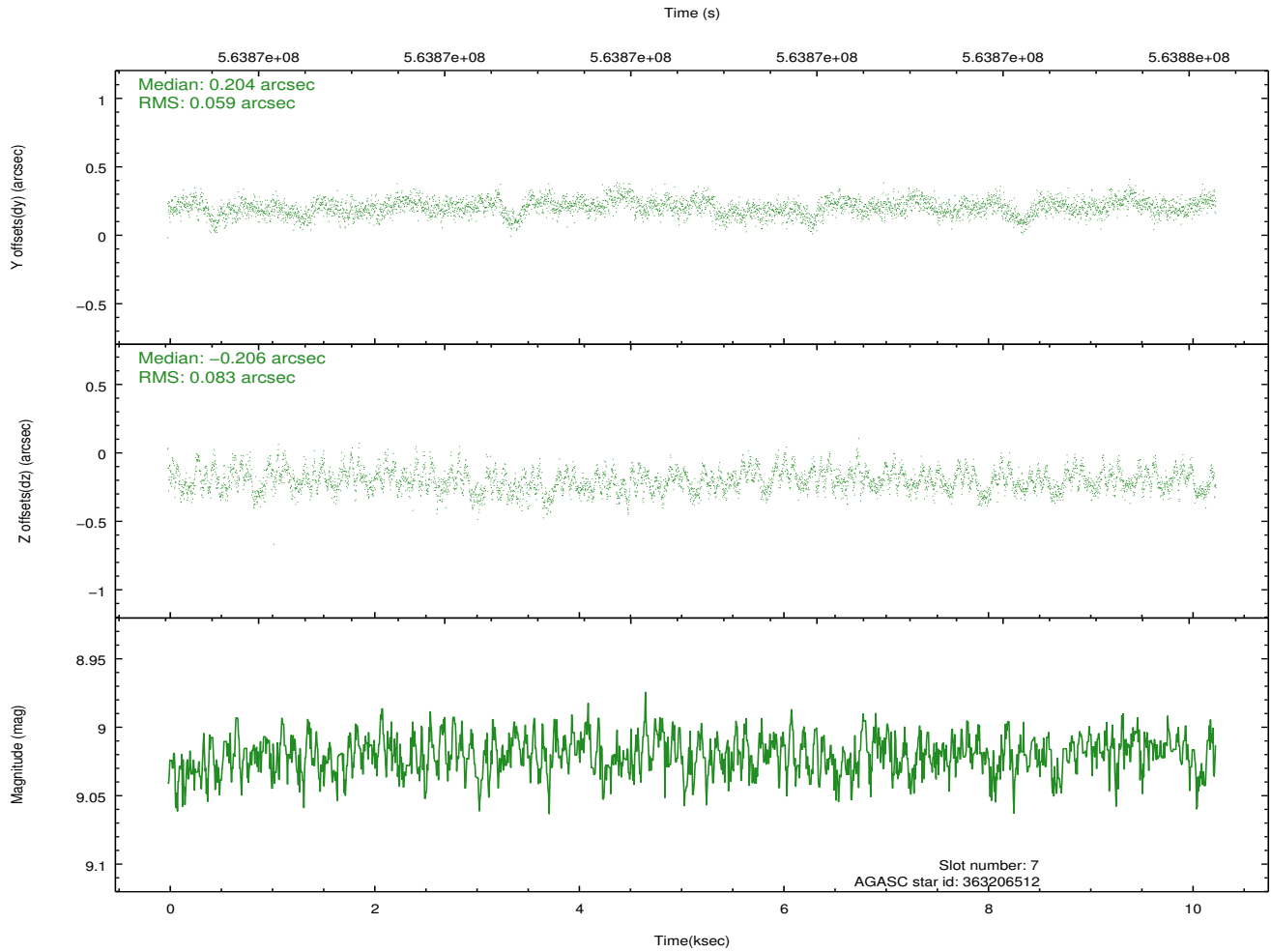
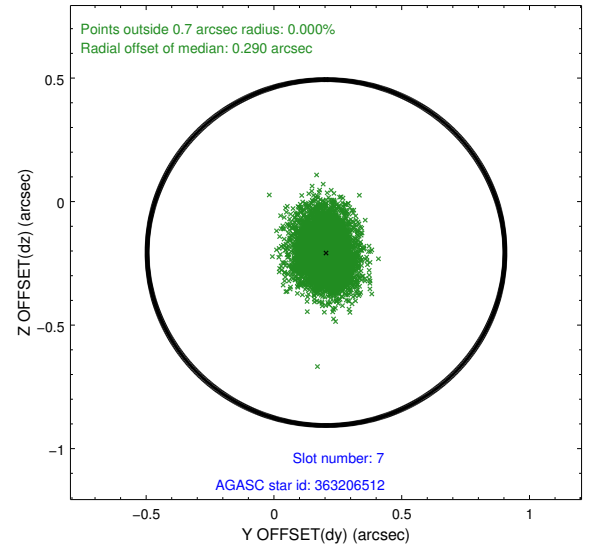
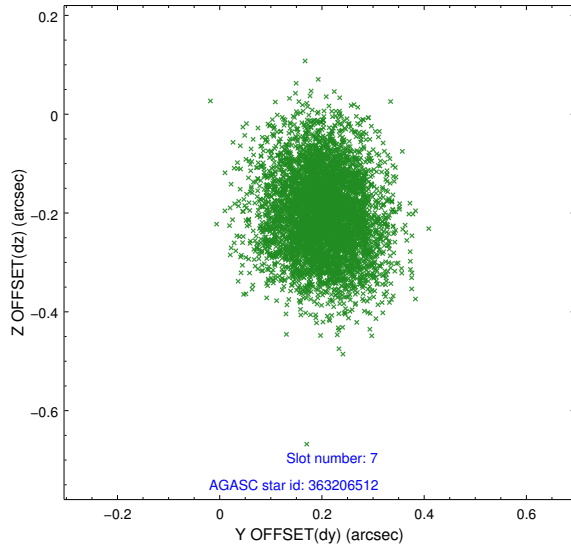
2.4.3 Slot 5



2.4.4 Slot 6

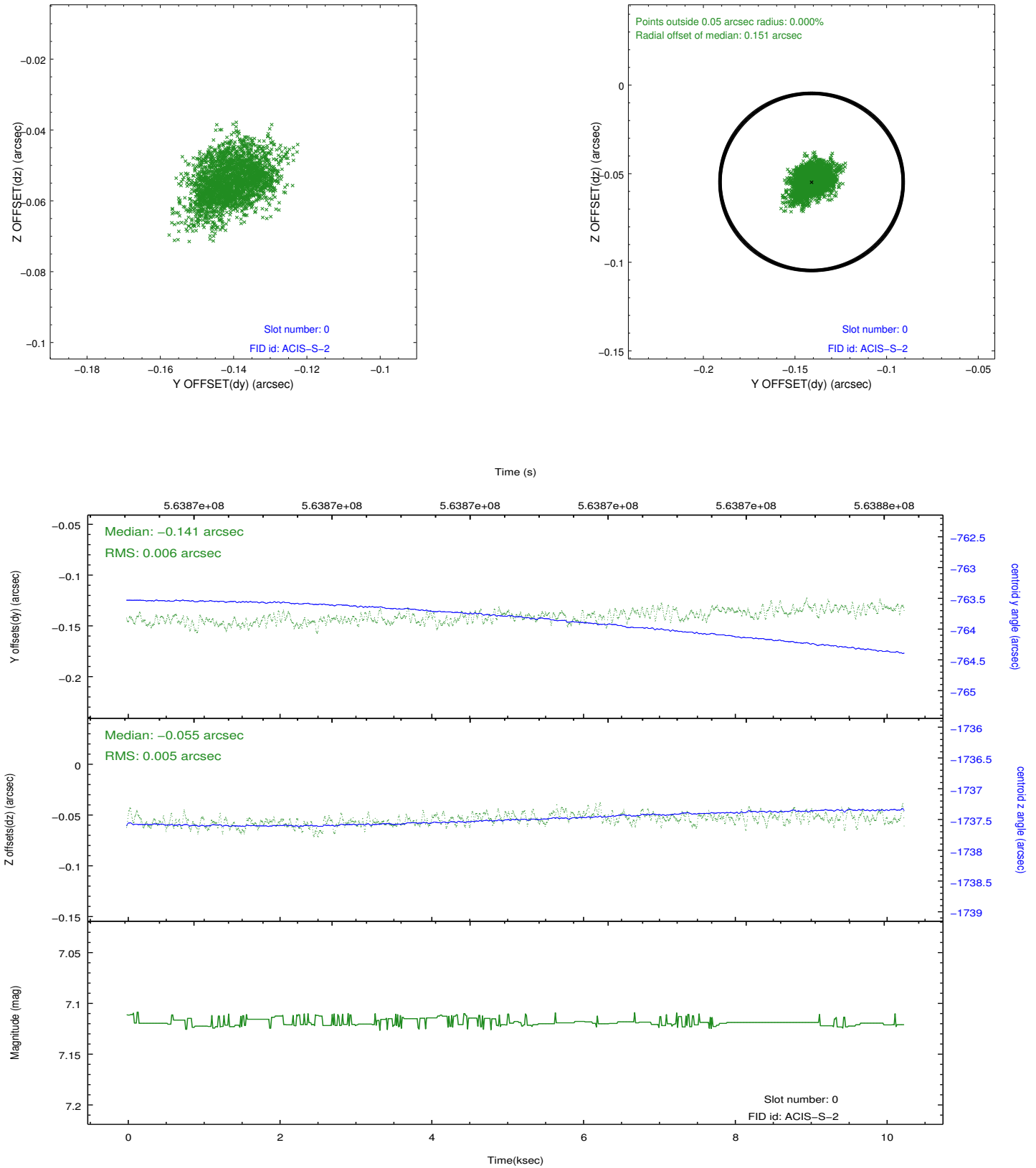


2.4.5 Slot 7

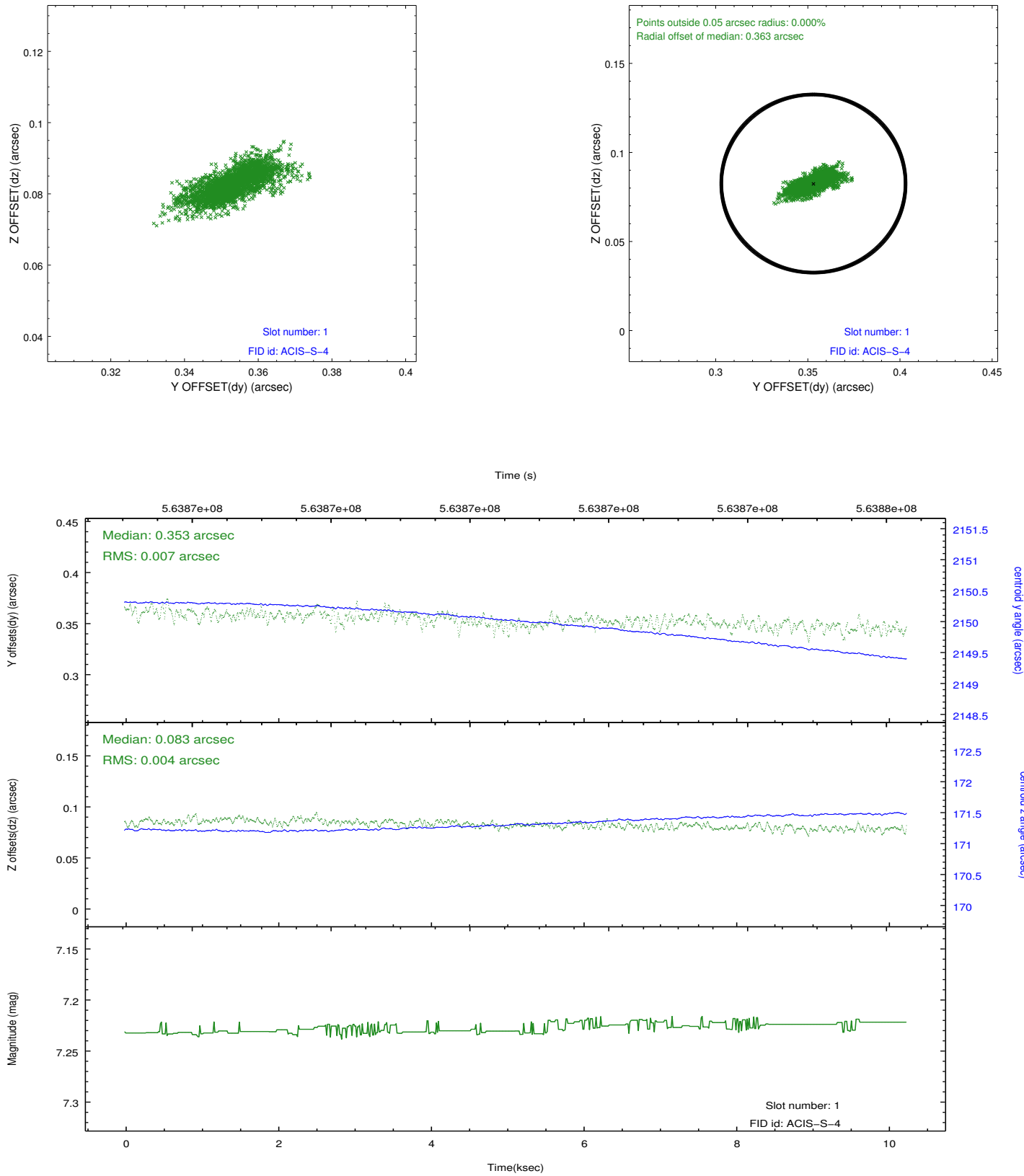


2.5 FID Slots

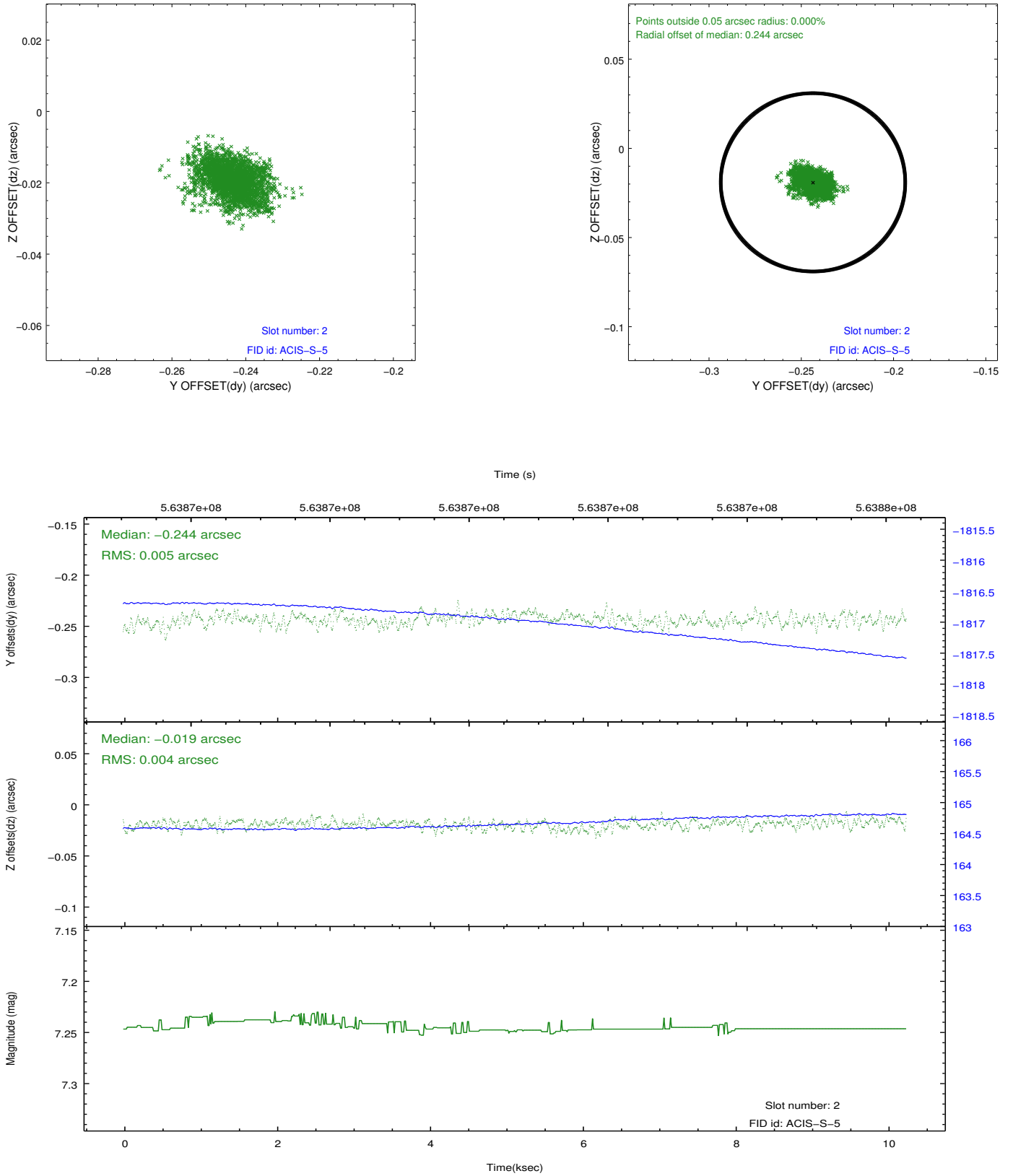
2.5.1 Slot 0



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)	2015.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9936001489162

A.2 Comments