

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10317 - L2 Version 2
Chandra X-Ray Center

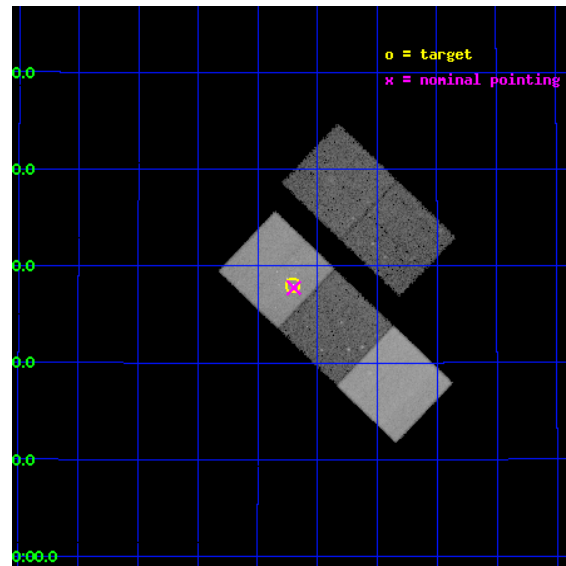
L2 Processing Date : Jun 9 2012

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

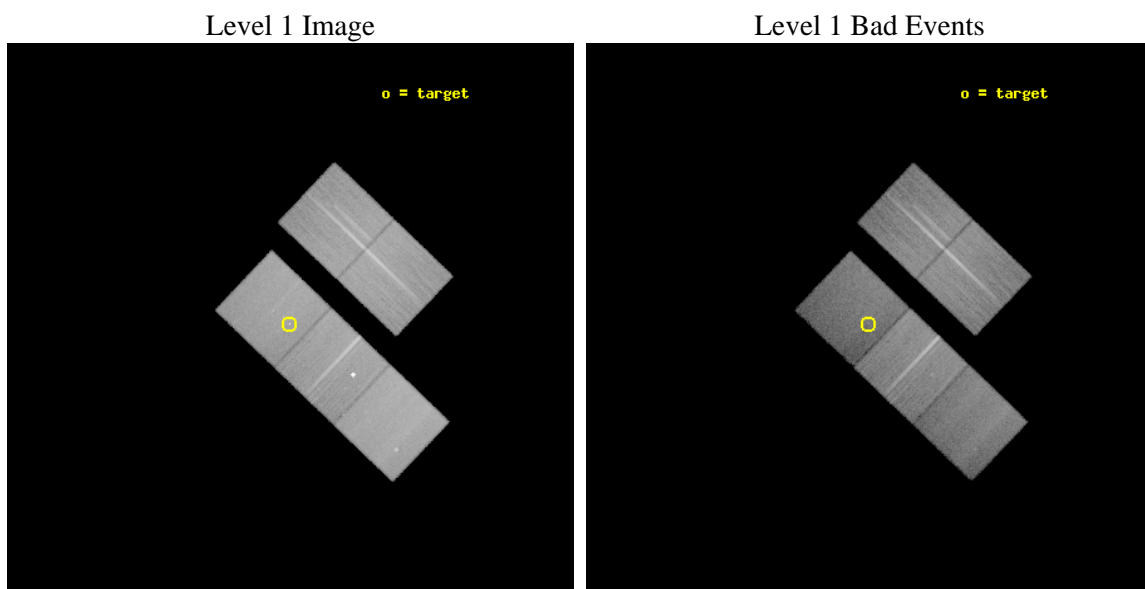
seq_num	701860	Sequence number
obs_id	10317	Observation id
title	Two to Tango? Binary Quasars, their Environments, and the Merger Hypothesis	Proposal title
observer	Dr. Paul Green	Principal investigator
object	SDSSJ1508+3328	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	227.175833	Observer's specified target RA [deg]
dec_targ	33.467389	Observer's specified target Dec [deg]
ra_nom	227.17436992558	Nominal RA [deg]
dec_nom	33.462692875007	Nominal Dec [deg]
roll_nom	223.65743939746	Nominal Roll [deg]
revision	2	Processing version of data
ontime	31731.600244045	Sum of GTIs [s]
livetime	31317.003526393	Livetime [s]
ontime2	31731.600244045	Sum of GTIs [s]
ontime3	31731.600244045	Sum of GTIs [s]
ontime5	31731.600244045	Sum of GTIs [s]
ontime6	31725.318283498	Sum of GTIs [s]
ontime7	31731.600244045	Sum of GTIs [s]
l2events	342812	Number of level 2 events



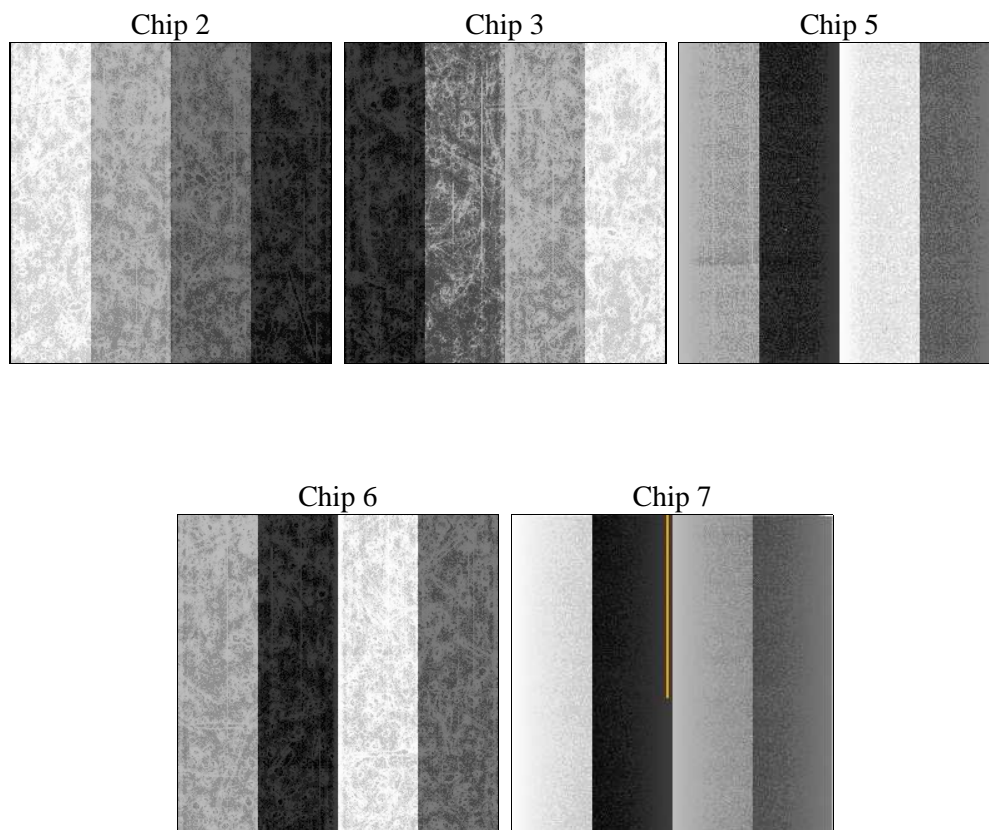
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	31700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	31731.600244045	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	31731.600244045	Sum of GTIs [s]
date	2012-06-09T10:07:22	Date and time of file creation	ontime3	31731.600244045	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	31731.600244045	Sum of GTIs [s]
			ontime6	31725.318283498	Sum of GTIs [s]
			ontime7	31731.600244045	Sum of GTIs [s]
			l1events	1355868	Number of level 1 events

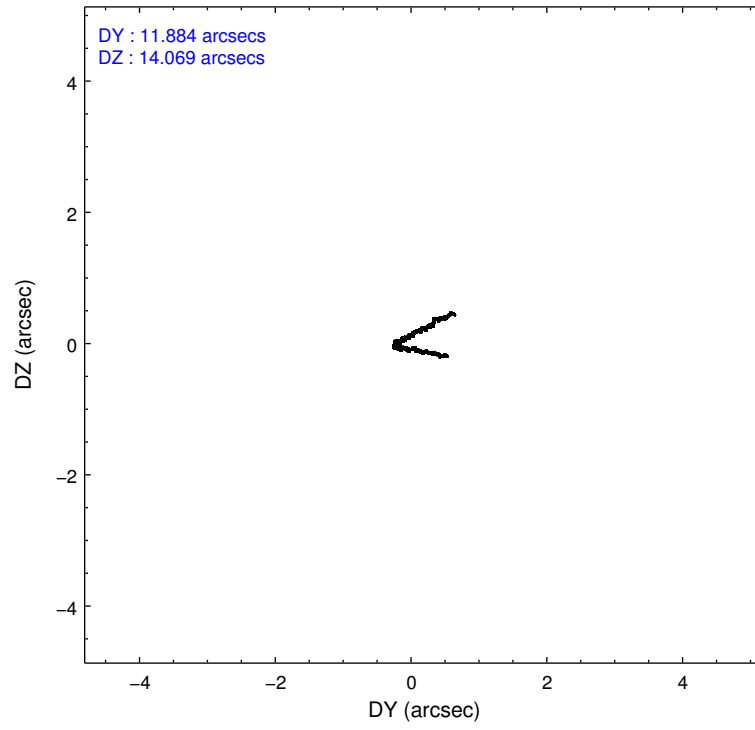
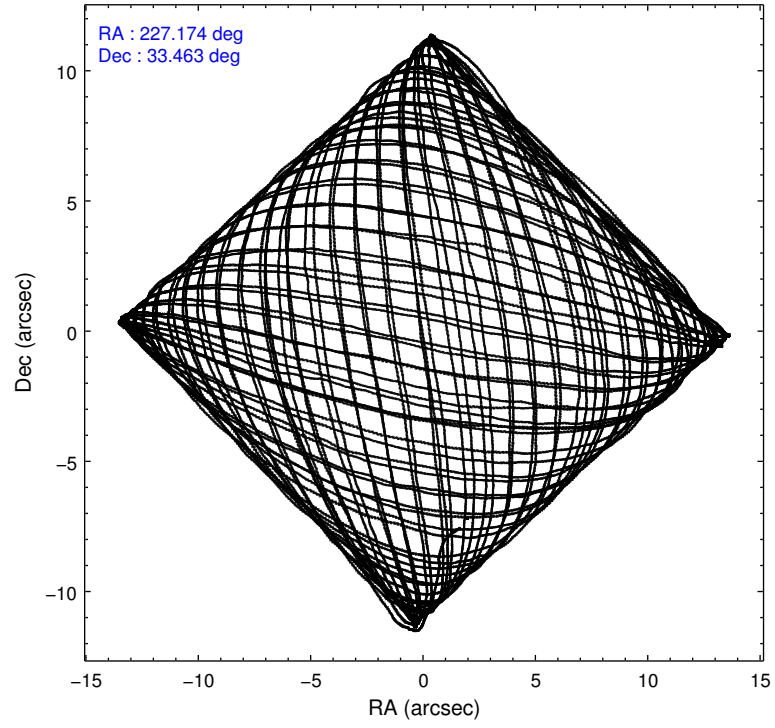
2.1.4 Events

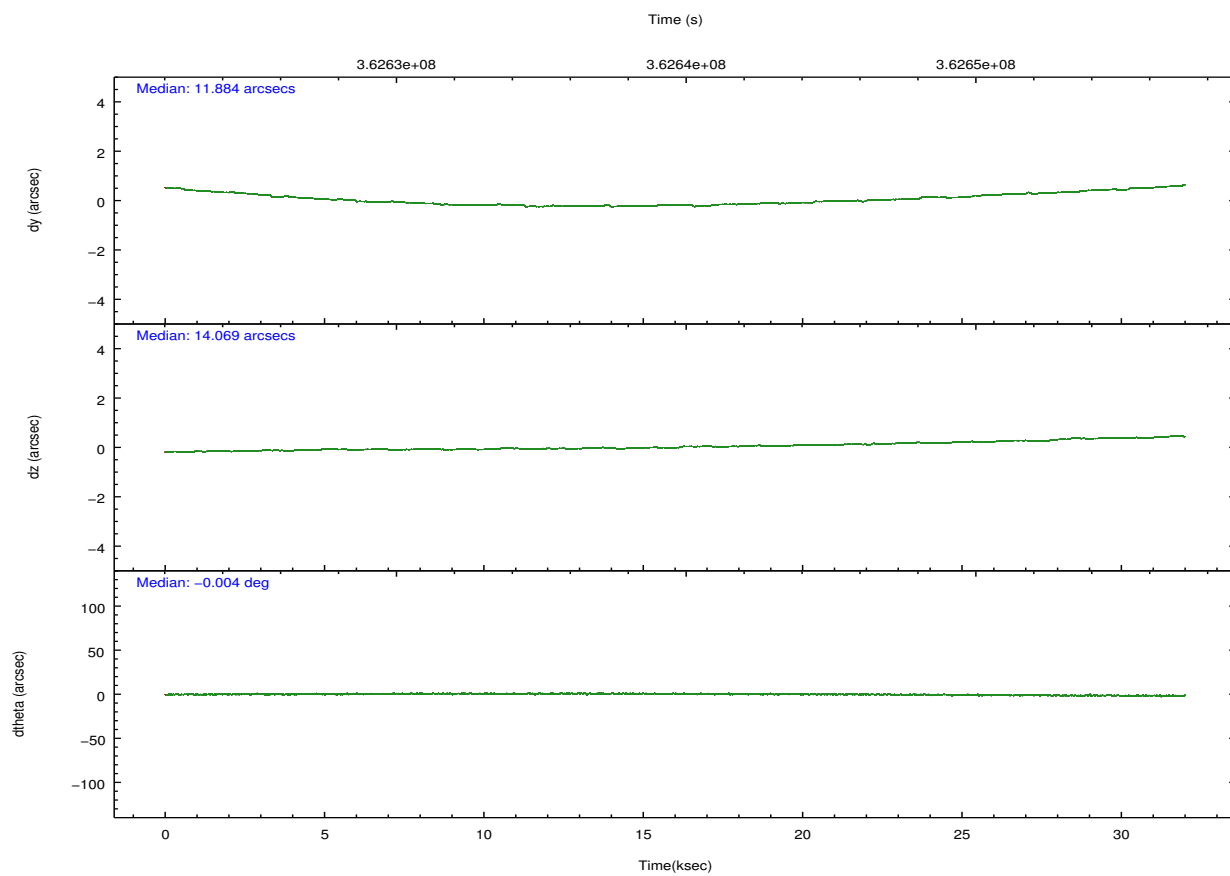
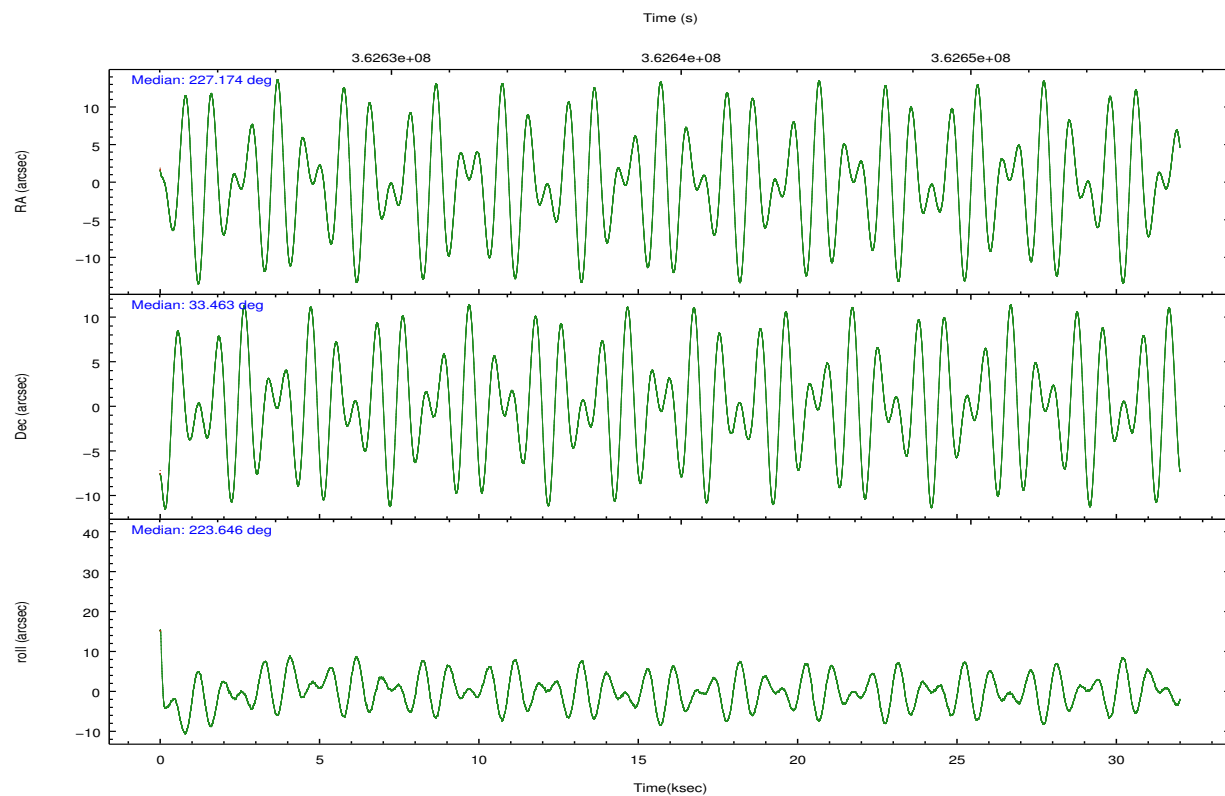
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	267981	249102	321584	267704	249497	grade 0 events	9348	8769	12188	19108	12869
rejected events	243405	225216	156111	231788	127036		3%	3%	3%	7%	5%
rejected %	90%	90%	48%	86%	50%	grade 1 events	148	144	778	202	379
							0%	0%	0%	0%	0%
						grade 2 events	5854	5232	52011	5981	26533
							2%	2%	16%	2%	10%
						grade 3 events	2553	2726	6929	2810	11172
							0%	1%	2%	1%	4%
						grade 4 events	2569	2647	6774	2662	10971
							0%	1%	2%	0%	4%
						grade 5 events	7147	8949	25152	8821	26335
							2%	3%	7%	3%	10%
						grade 6 events	4256	4512	87590	5359	60926
							1%	1%	27%	2%	24%
						grade 7 events	236106	216123	130162	222761	100312
							88%	86%	40%	83%	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	227.183161	227.1743699255756	CCD I2 on	O1	Y
[deg] Pointing Dec	33.489040	33.46269287500708	CCD I3 on	O2	Y
[deg] Pointing Roll	223.495966	223.6574393974637	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O3	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	N	N
[s] Observation start time (MET)	362623911.184000	362622871.47913	CCD S5 on	N	N
Observation start date	2009-06-29T00:50:45	2009-06-29T00:34:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	362655611.184000	362656431.00581	On-chip summing requested	N	N
Observation end date	2009-06-29T09:39:05	2009-06-29T09:53:51	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



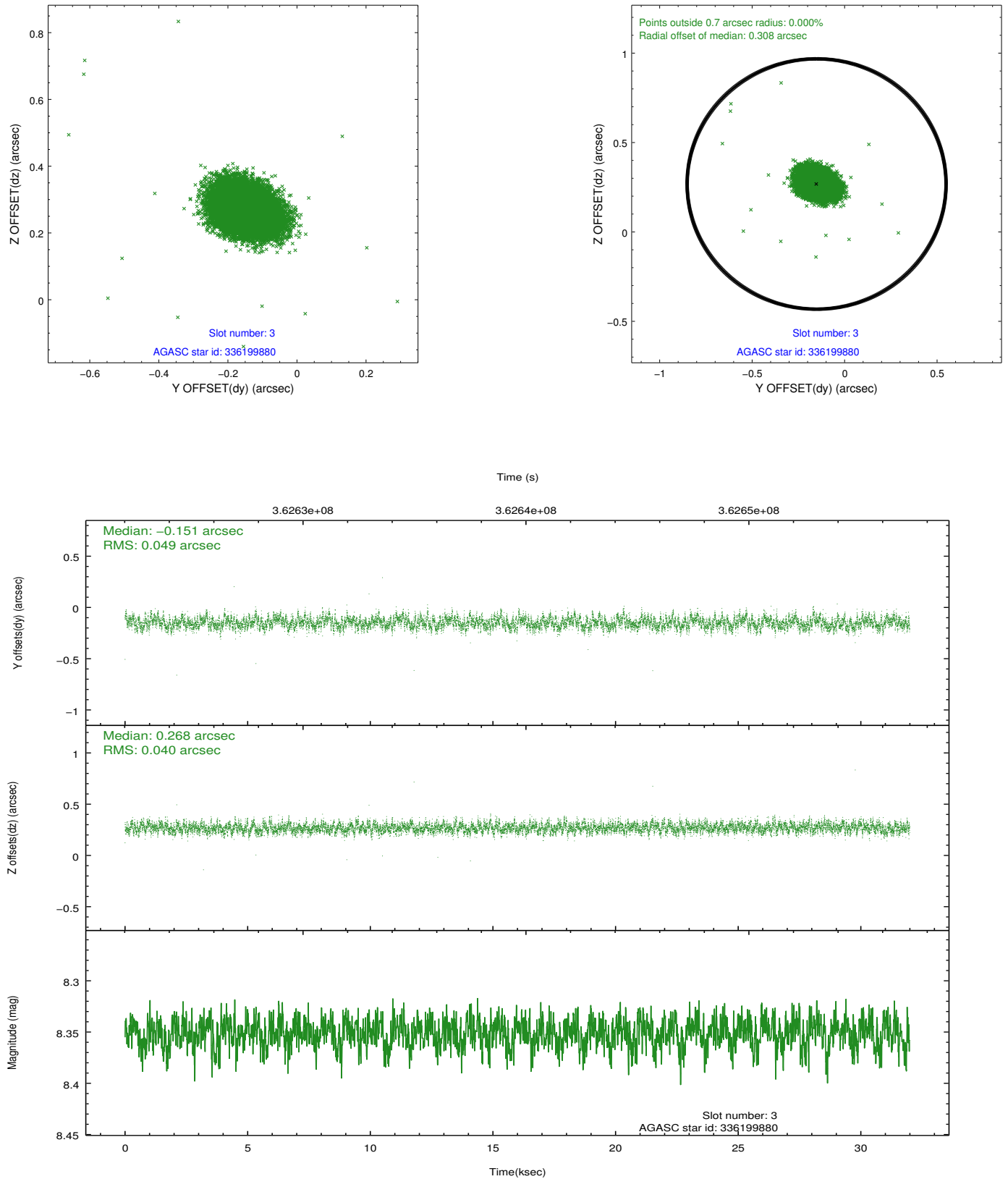


Slot Statistics

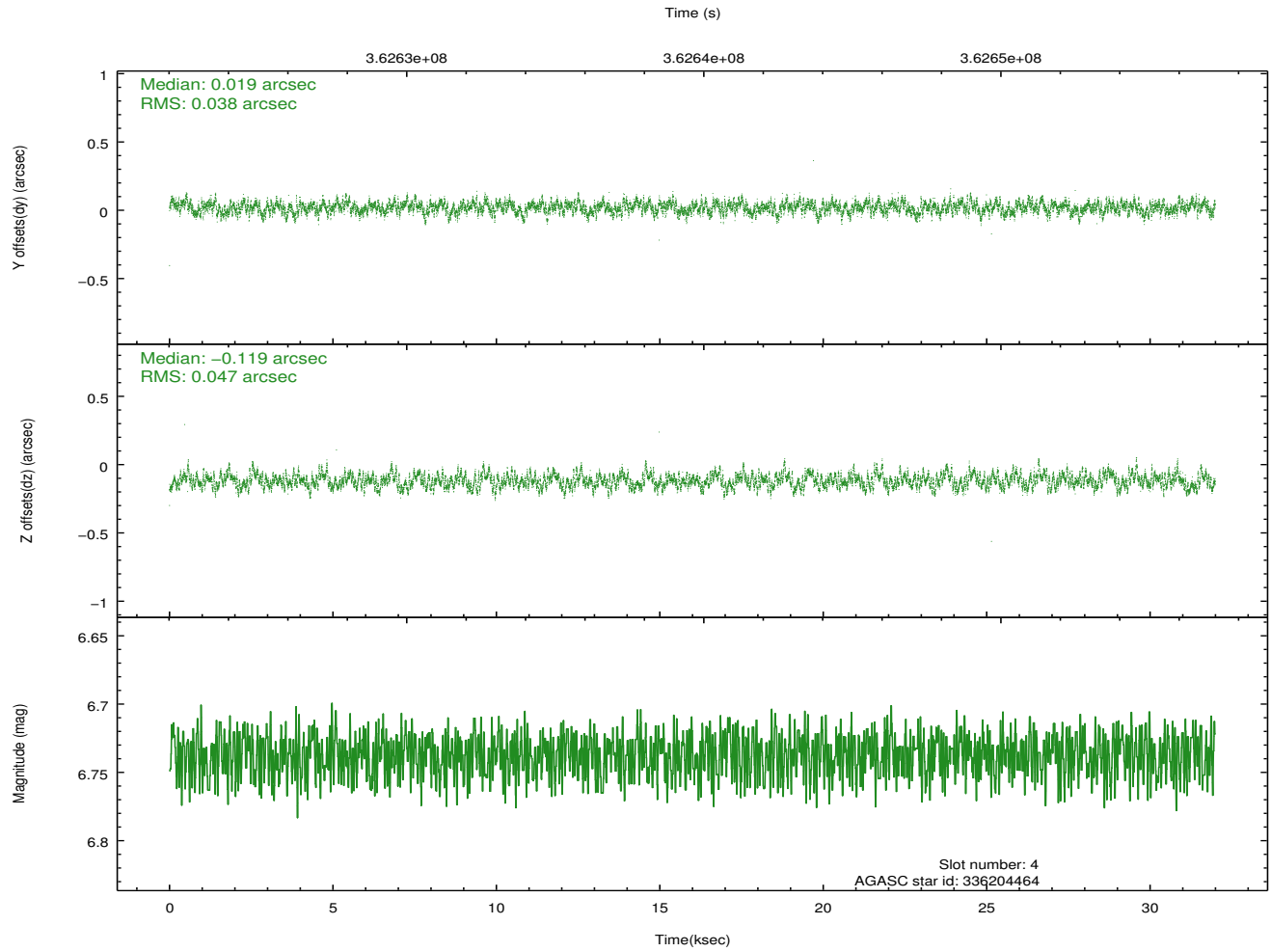
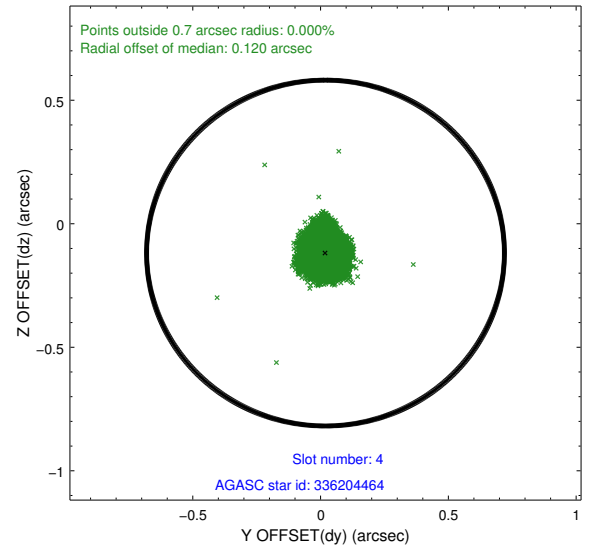
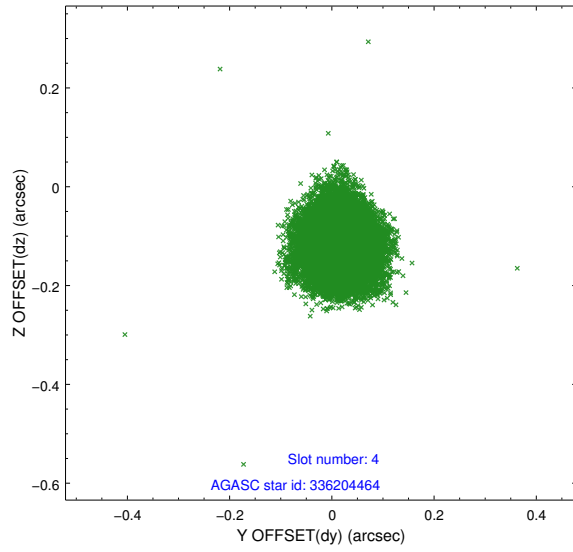
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	7804	-0.035	-0.021	0.008	0.015	0.000000	0.000000	-764.86	-1735.51
1	FID	ACIS-S-4	7.01	7804	0.111	0.023	0.008	0.018	0.000000	0.000000	2148.53	172.97
2	FID	ACIS-S-5	7.04	7803	-0.108	0.007	0.009	0.015	0.000000	0.000000	-1817.71	166.67
3	GUIDE	336199880	8.35	15603	-0.151	0.268	0.065	0.107	227.783989	33.320747	-898.00	1680.02
4	GUIDE	336204464	6.74	15606	0.019	-0.119	0.064	0.102	227.662063	33.078883	-34.16	2063.22
5	GUIDE	336204600	6.96	15607	-0.010	-0.136	0.055	0.087	227.238782	33.265363	432.88	699.13
6	GUIDE	336207352	7.56	15606	0.005	-0.101	0.053	0.083	226.776230	33.965033	-299.00	-2080.90
7	GUIDE	336207928	9.07	15554	0.135	0.091	0.099	0.153	227.107778	33.476608	195.81	-123.32

2.4 Star Slots

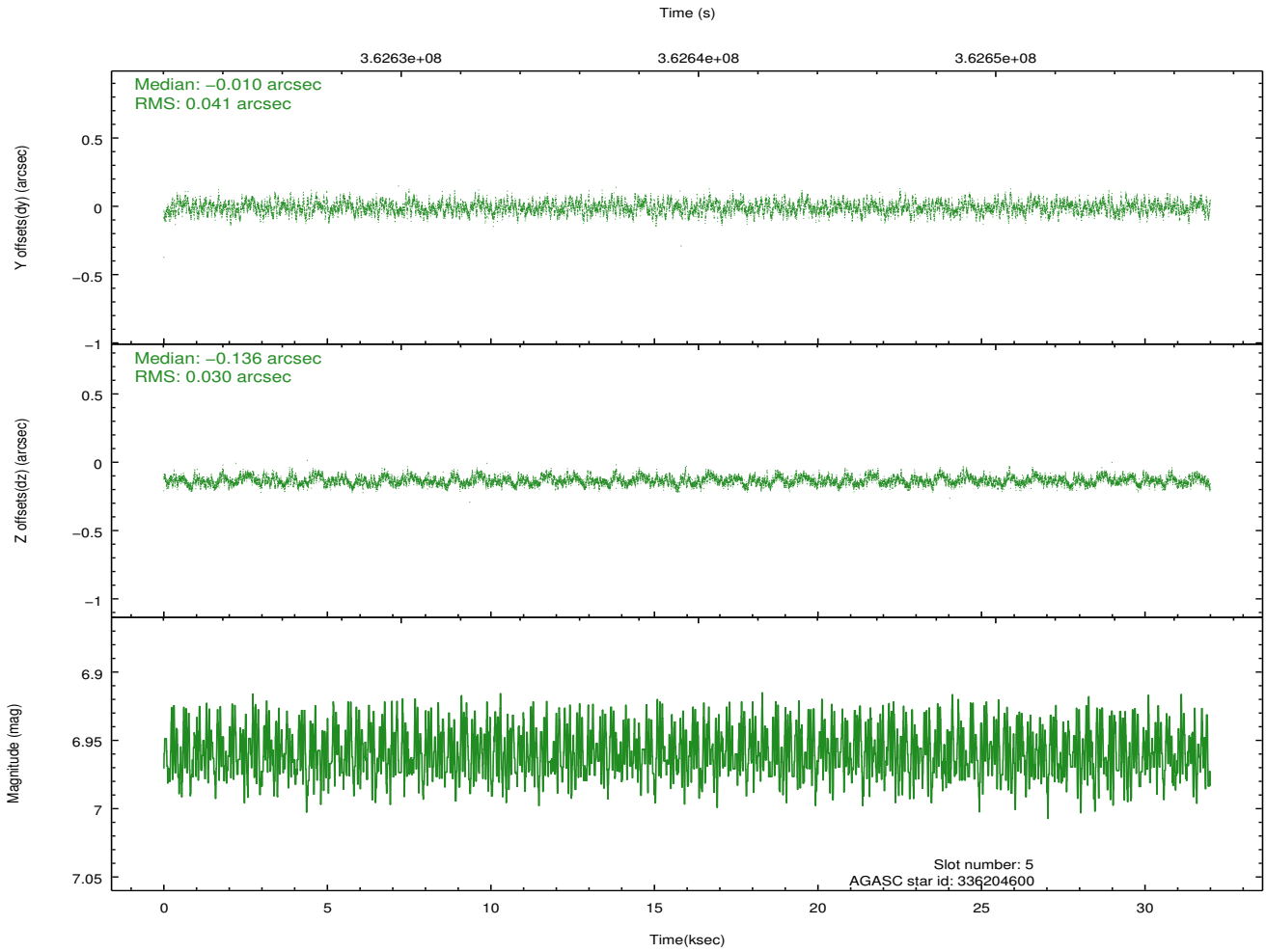
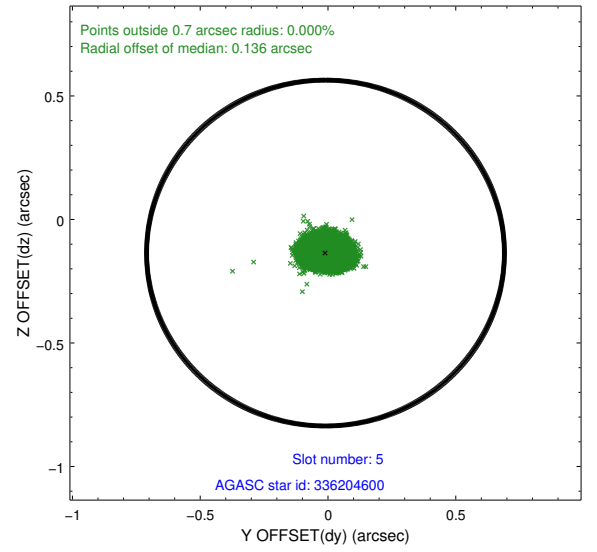
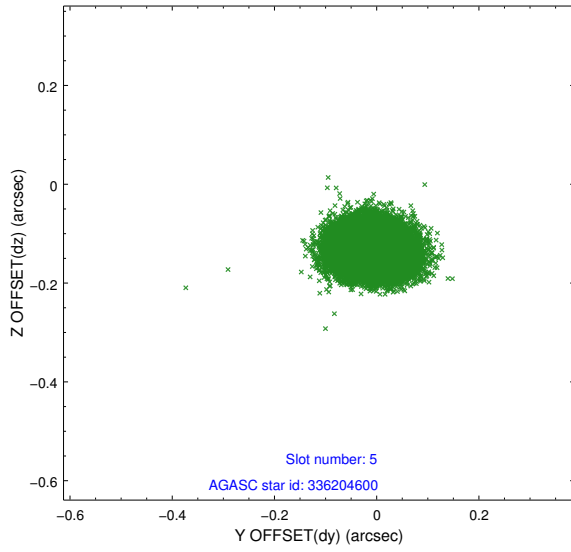
2.4.1 Slot 3



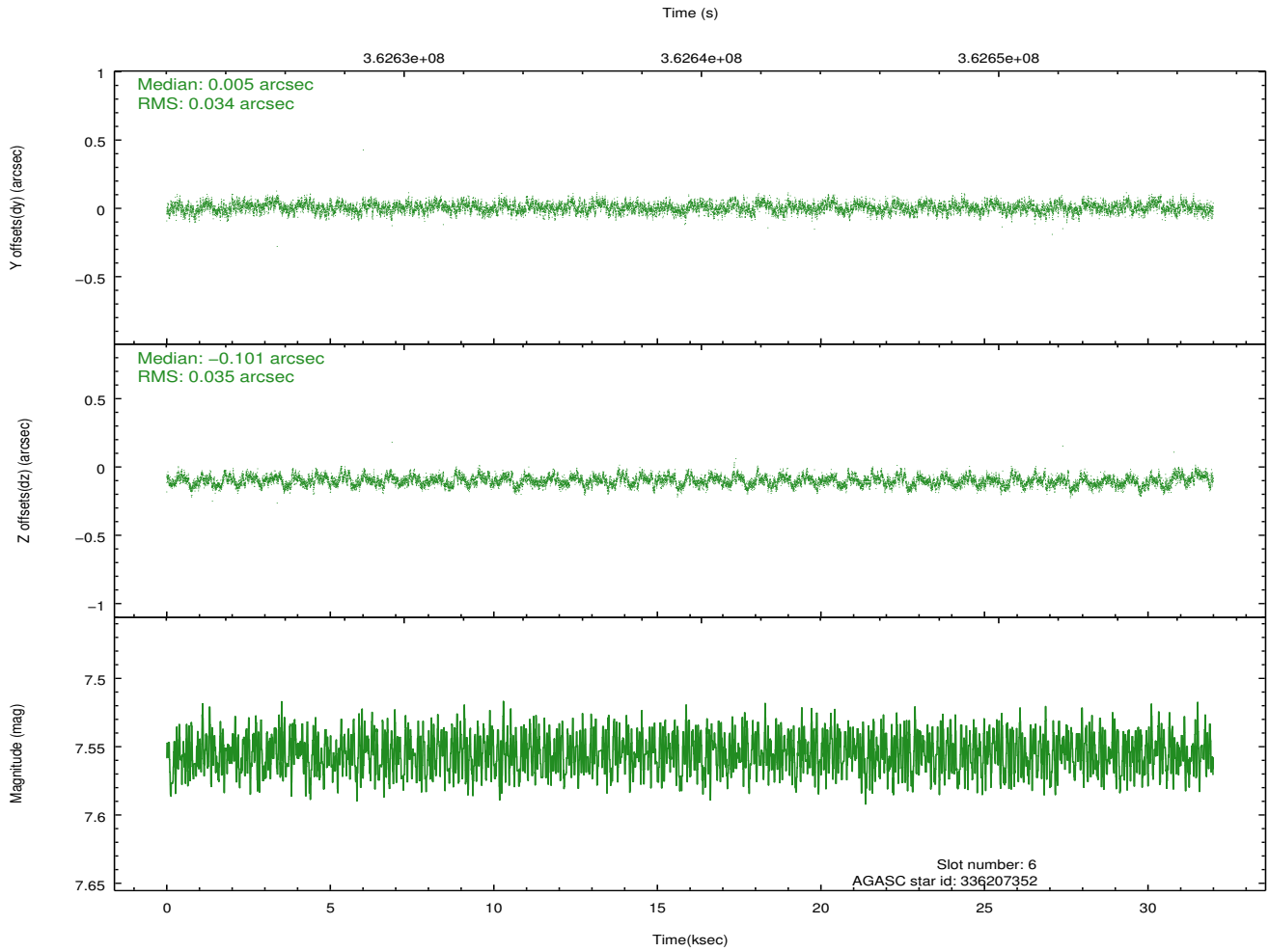
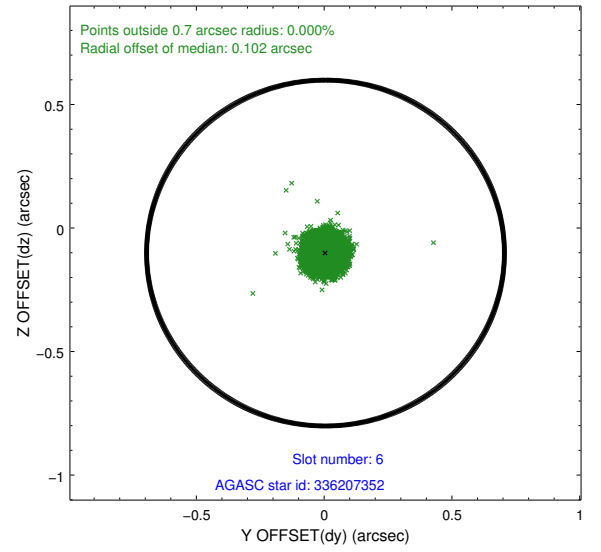
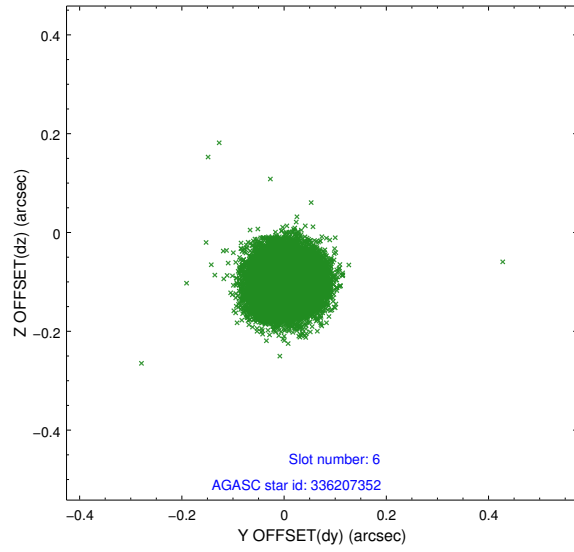
2.4.2 Slot 4



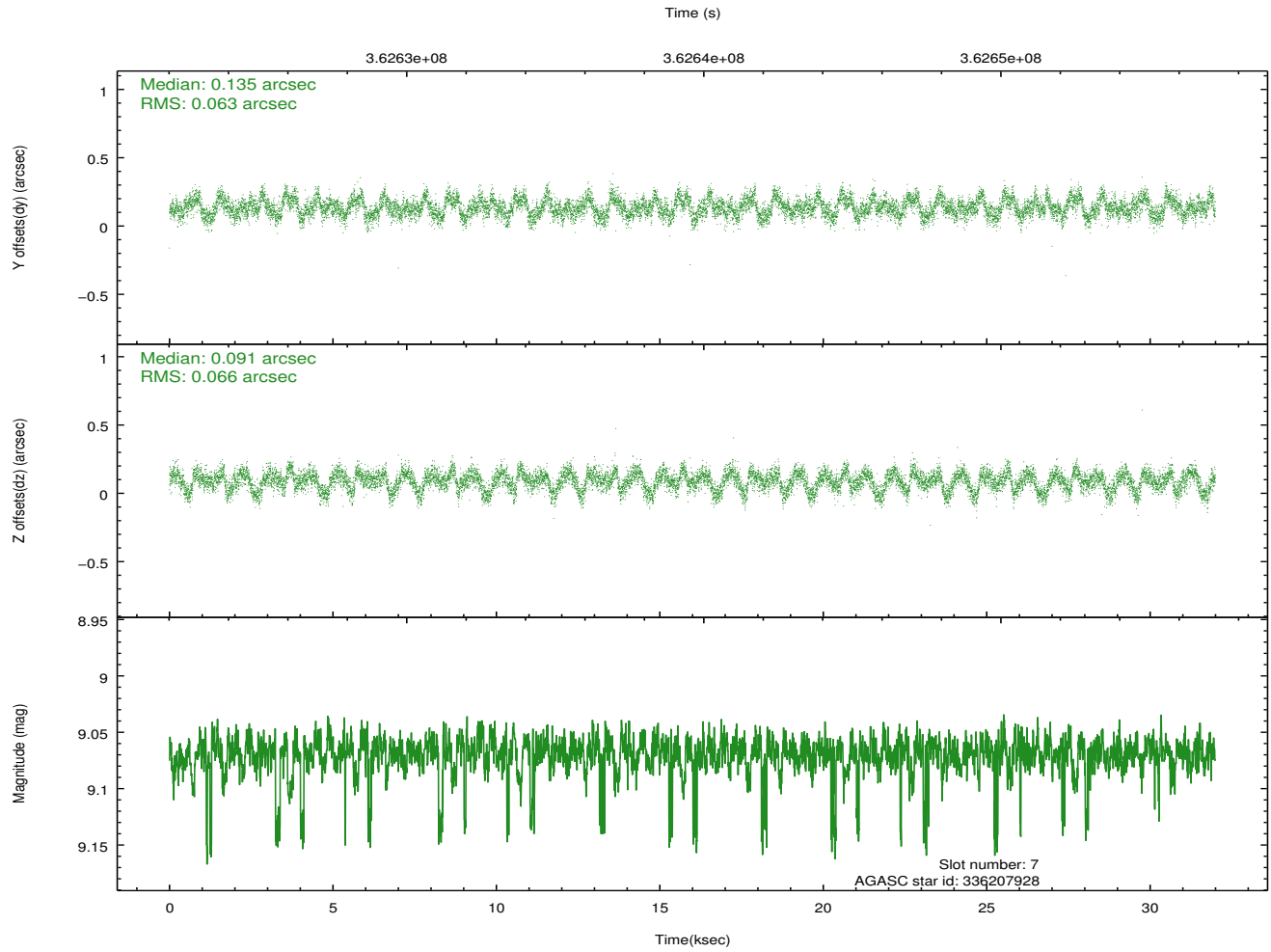
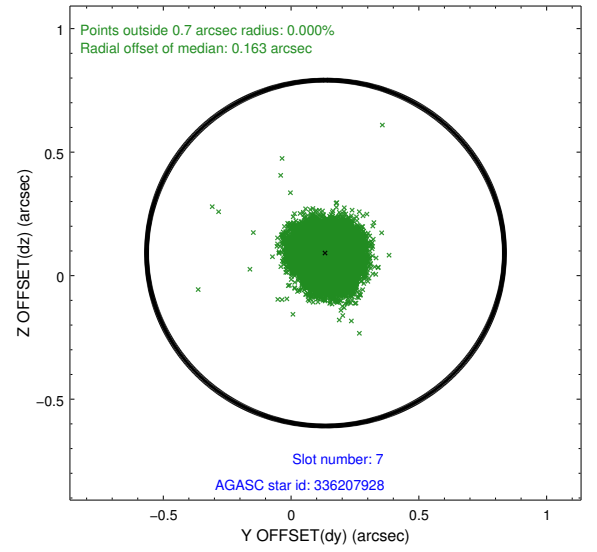
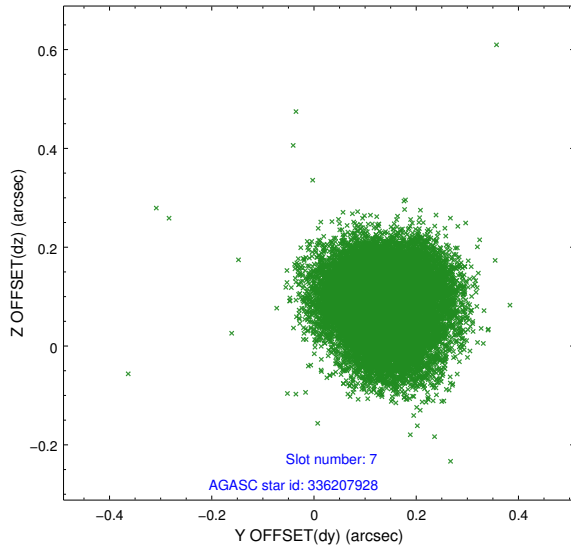
2.4.3 Slot 5



2.4.4 Slot 6

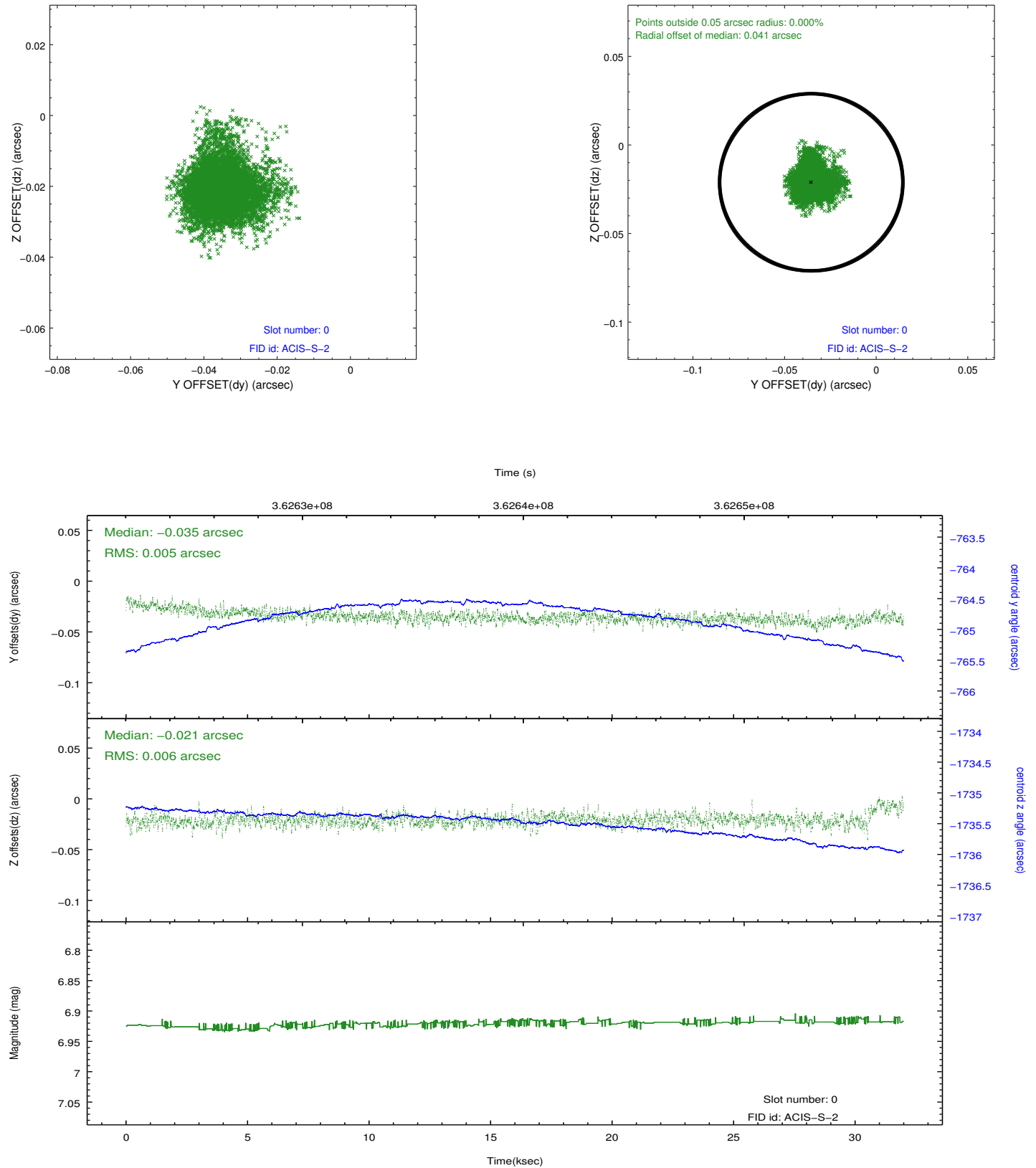


2.4.5 Slot 7

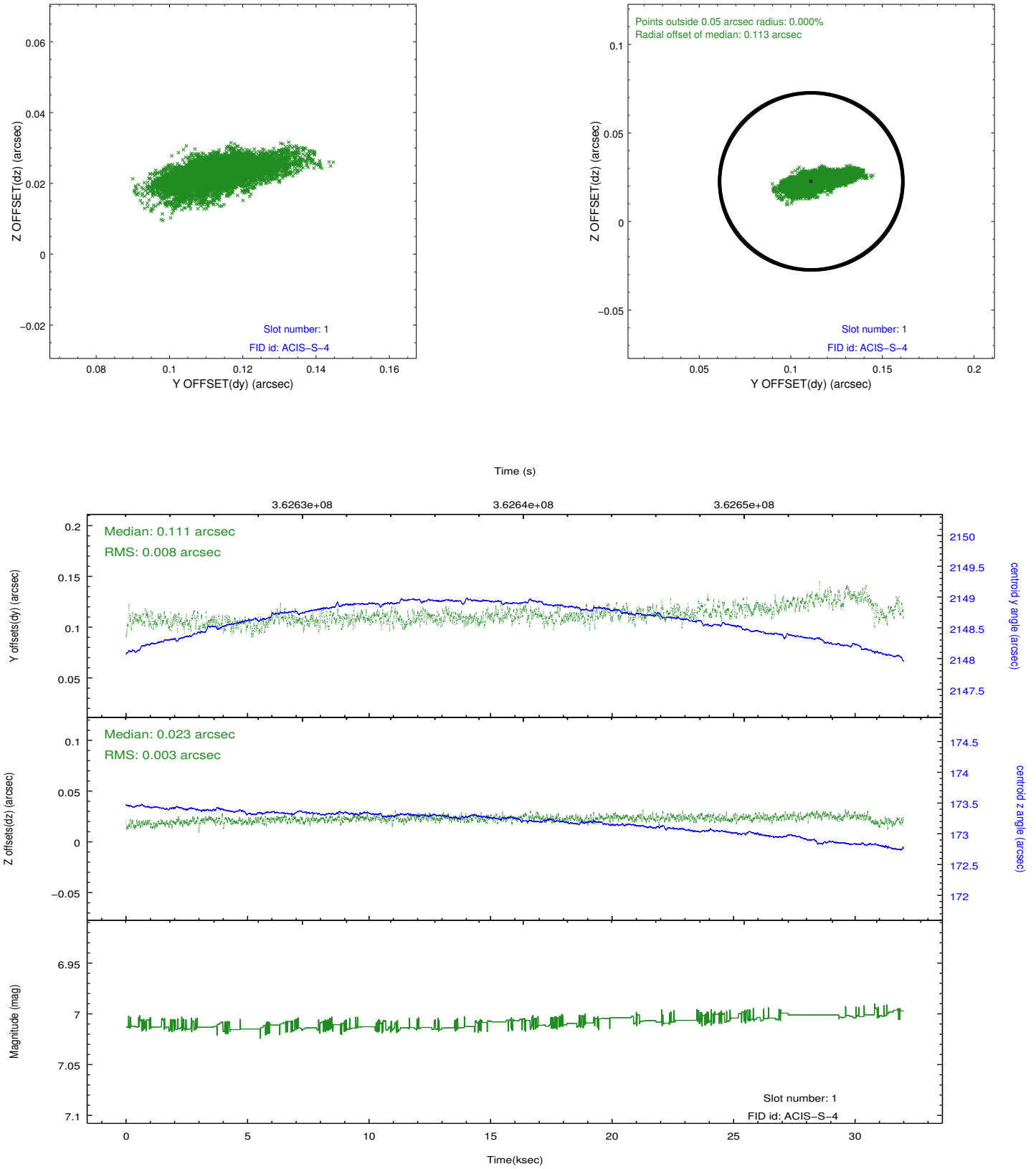


2.5 FID Slots

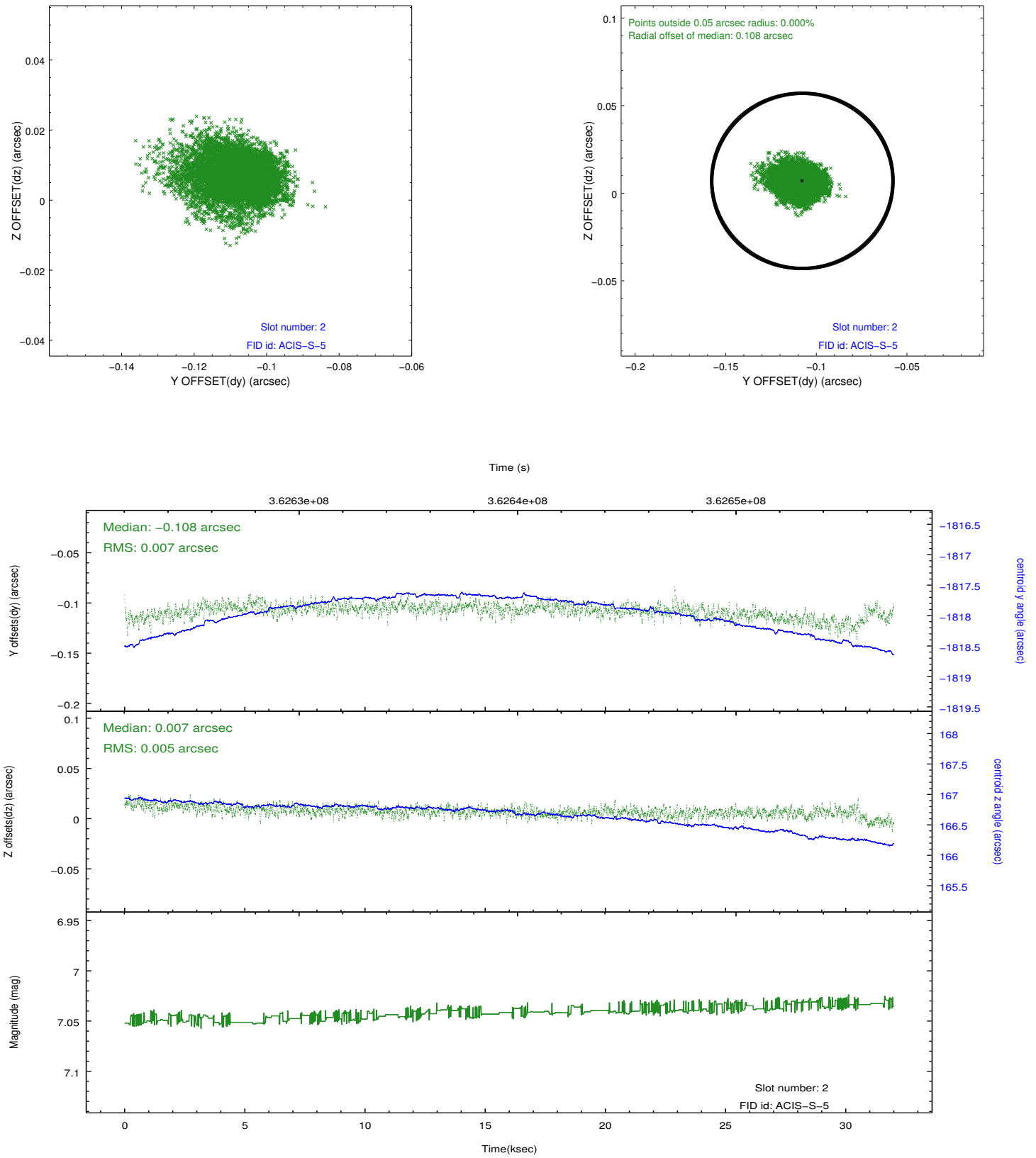
2.5.1 Slot 0



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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.7316002

A.2 Comments

Joint proposal with NOAO.