

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 22527 - L2 Version 1
Chandra X-Ray Center

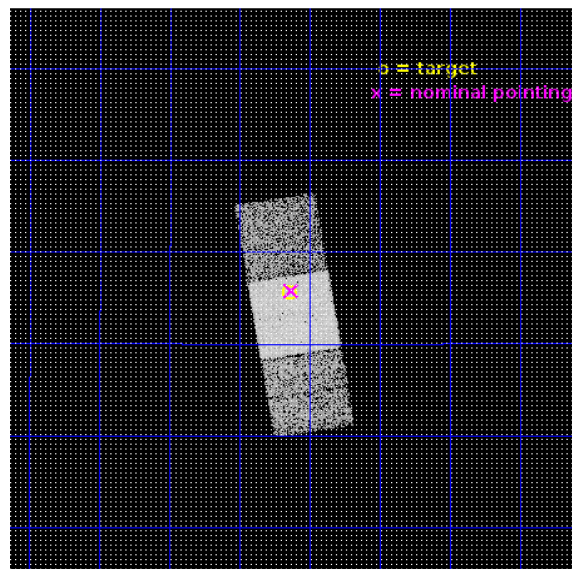
L2 Processing Date : Sep 29 2019

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1 Front

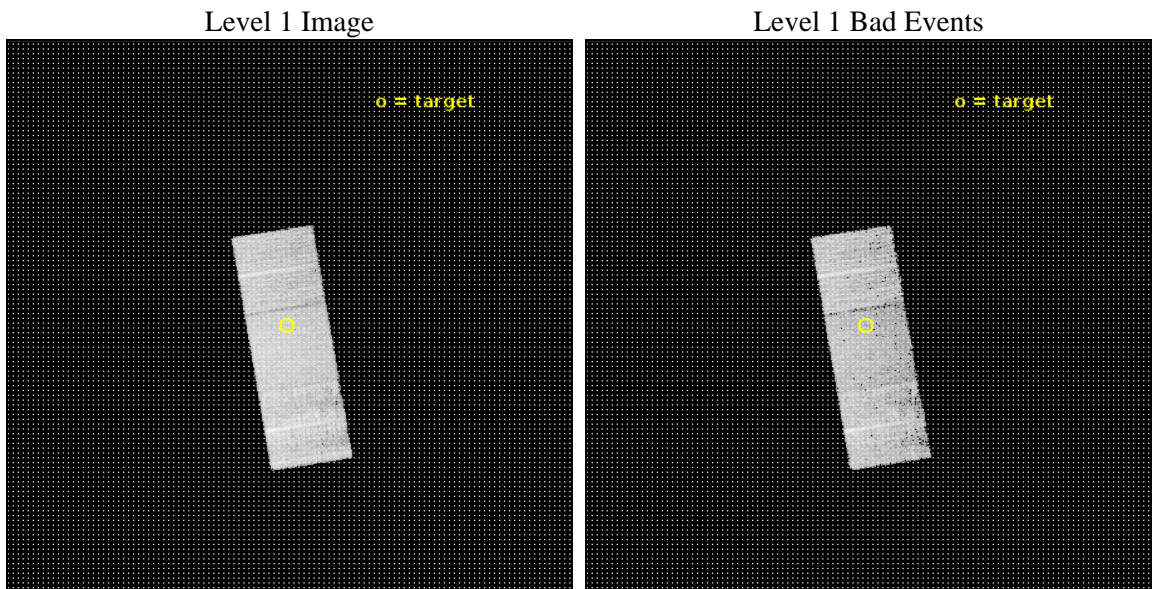
seq_num	703915	Sequence number
obs_id	22527	Observation id
title	Revealing the Full Range of X-ray Properties of Weak-Line Quasars	
observer	William Brandt	Principal investigator
object	SDSS J0825+1155	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	126.286458	Observer's specified target RA [deg]
dec_targ	11.92675	Observer's specified target Dec [deg]
ra_nom	126.28312028996	Nominal RA [deg]
dec_nom	11.929652074373	Nominal Dec [deg]
roll_nom	80.599196551309	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6708.400051713	Sum of GTIs [s]
livetime	6620.7498663851	Livetime [s]
ontime6	6708.400051713	Sum of GTIs [s]
ontime7	6708.400051713	Sum of GTIs [s]
ontime8	6708.400051713	Sum of GTIs [s]
l2events	38562	Number of level 2 events



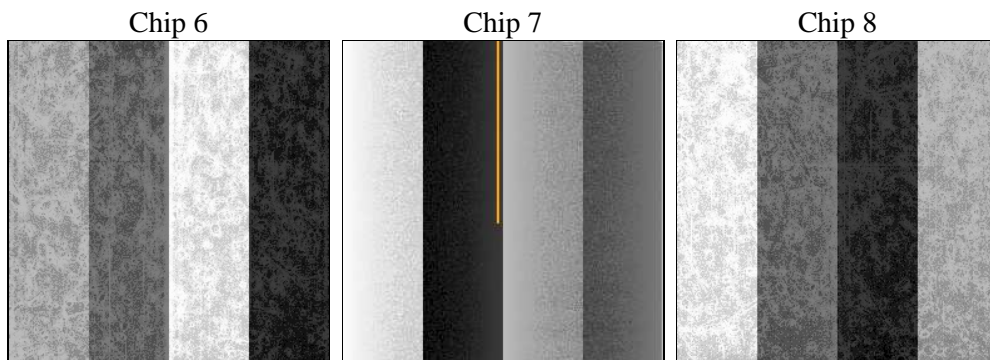
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6600.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	6708.400051713	Sum of GTIs [s]
caldsver	4.8.4.1	 	ontime6	6708.400051713	Sum of GTIs [s]
date	2019-09-29T04:11:32	Date and time of file creation	ontime7	6708.400051713	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	6708.400051713	Sum of GTIs [s]
			l1events	185811	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	53673	65136	67002
rejected events	48086	37017	48246
rejected %	89%	56%	72%

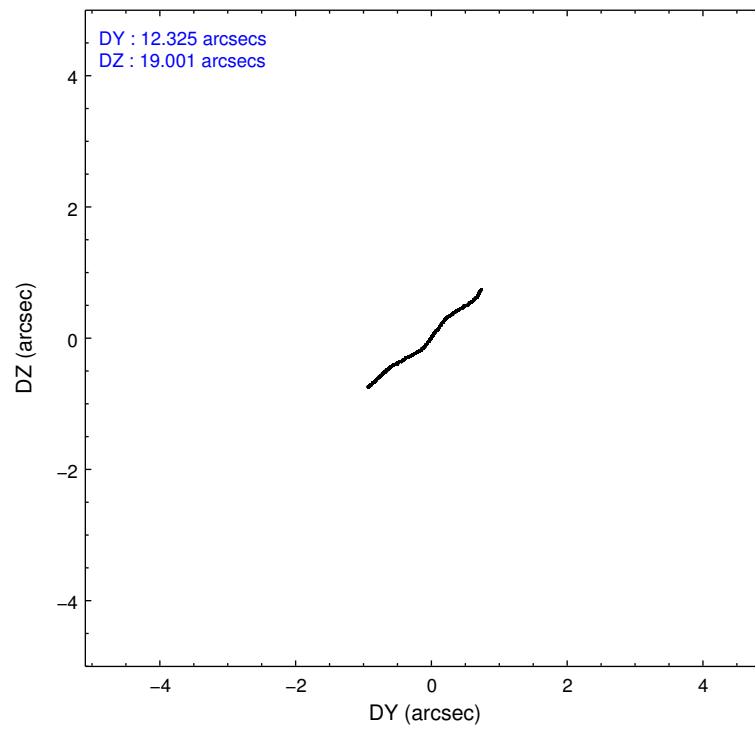
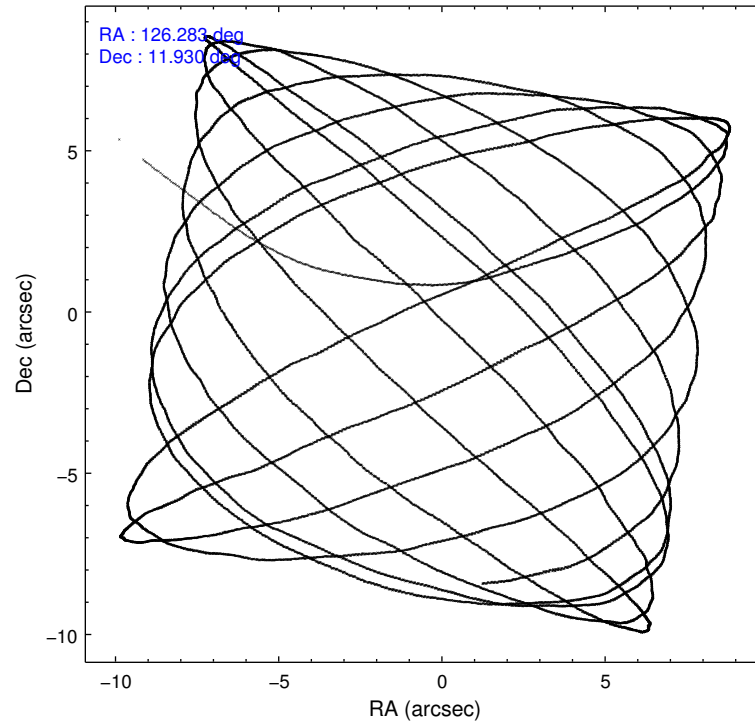
	ccd 6	ccd 7	ccd 8
grade 0 events	1823	2394	5606
	3%	3%	8%
grade 1 events	16	80	59
	0%	0%	0%
grade 2 events	1317	6021	4341
	2%	9%	6%
grade 3 events	570	2148	2032
	1%	3%	3%
grade 4 events	547	2103	1863
	1%	3%	2%
grade 5 events	2354	6345	3483
	4%	9%	5%
grade 6 events	1337	15478	4944
	2%	23%	7%
grade 7 events	45709	30567	44674
	85%	46%	66%

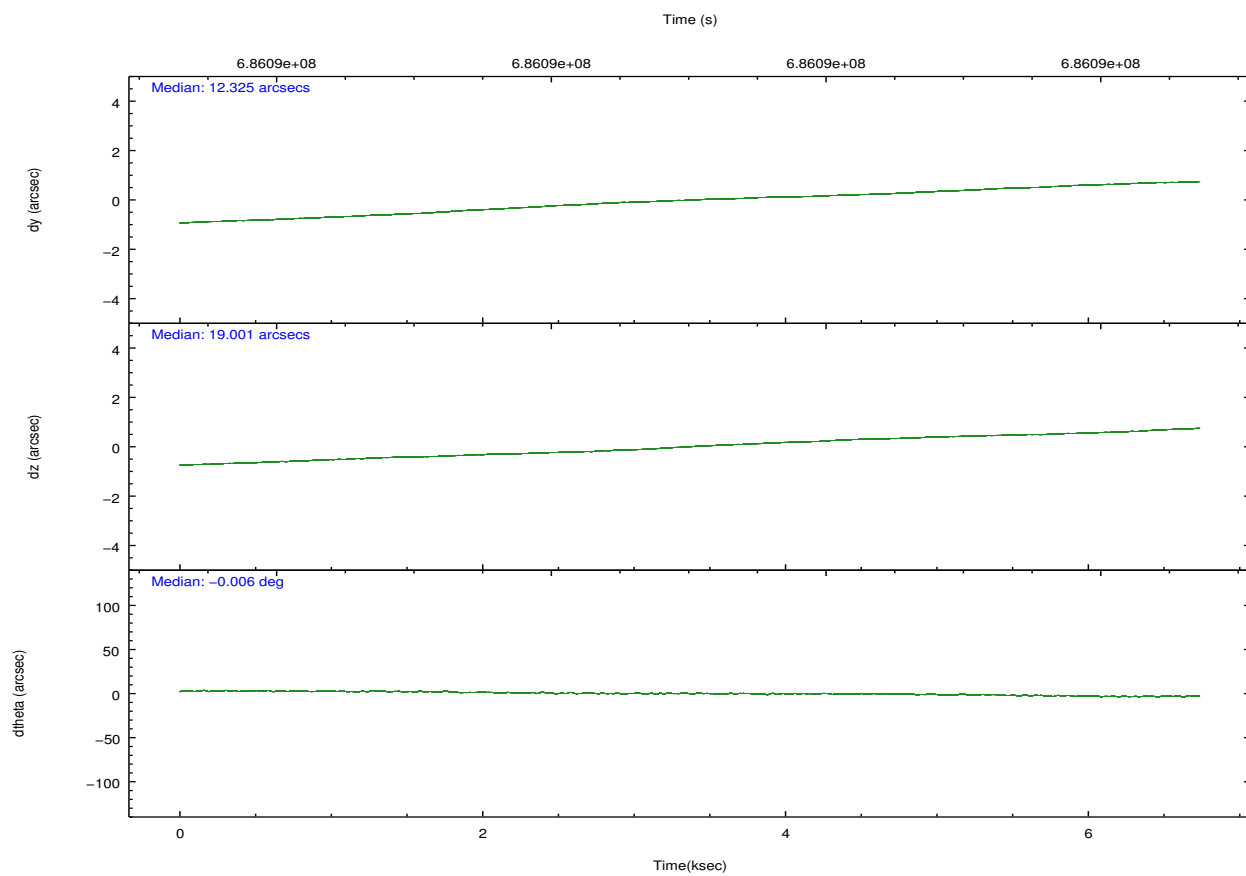
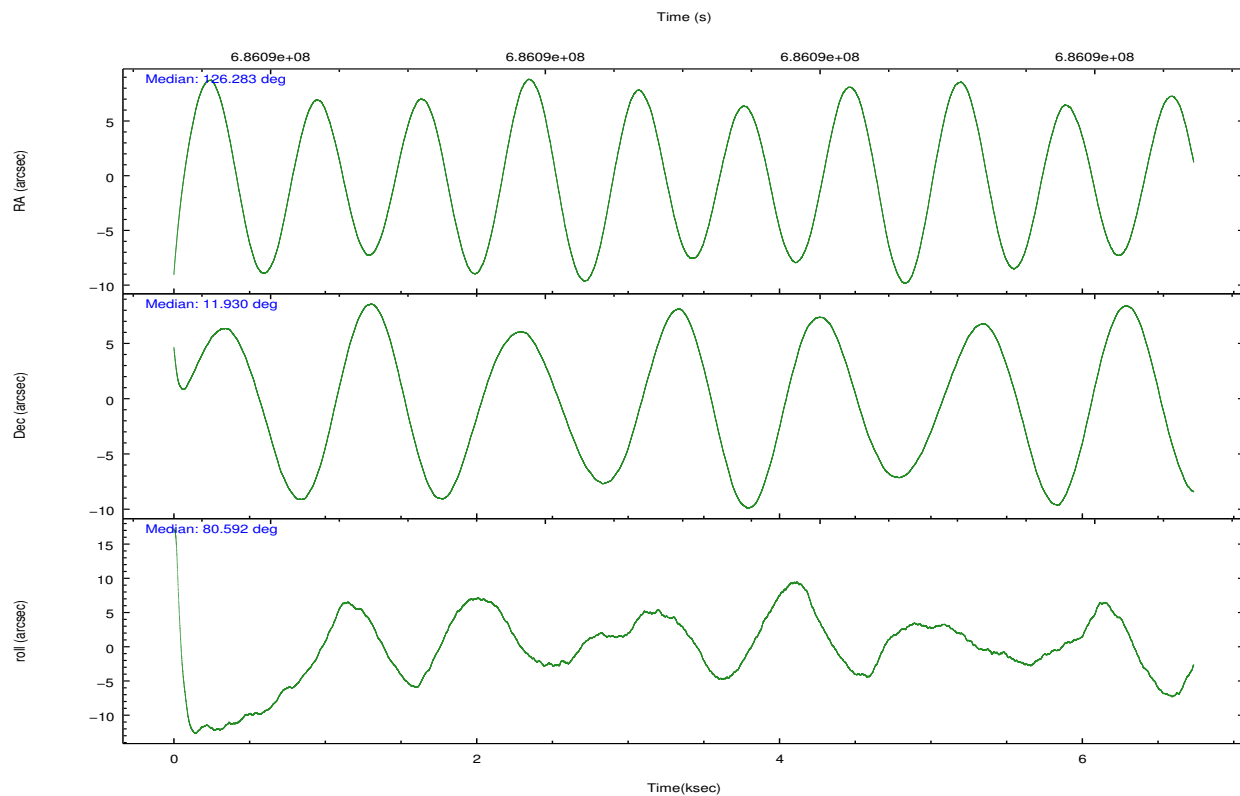
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-678	ACIS-678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	126.293257	126.283120289959
[deg] Pointing Dec	11.904027	11.92965207437347
[deg] Pointing Roll	80.440433	80.59919655130868
[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)	686087774.184000	686086584.5146199
Observation start date	2019-09-28T19:55:05	2019-09-28T19:36:24
[s] Observation end time (MET)	686094374.184000	686095339.04015
Observation end date	2019-09-28T21:45:05	2019-09-28T22:02:19
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	N	N
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O2	Y
CCD S3 on	Y	Y
CCD S4 on	O1	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



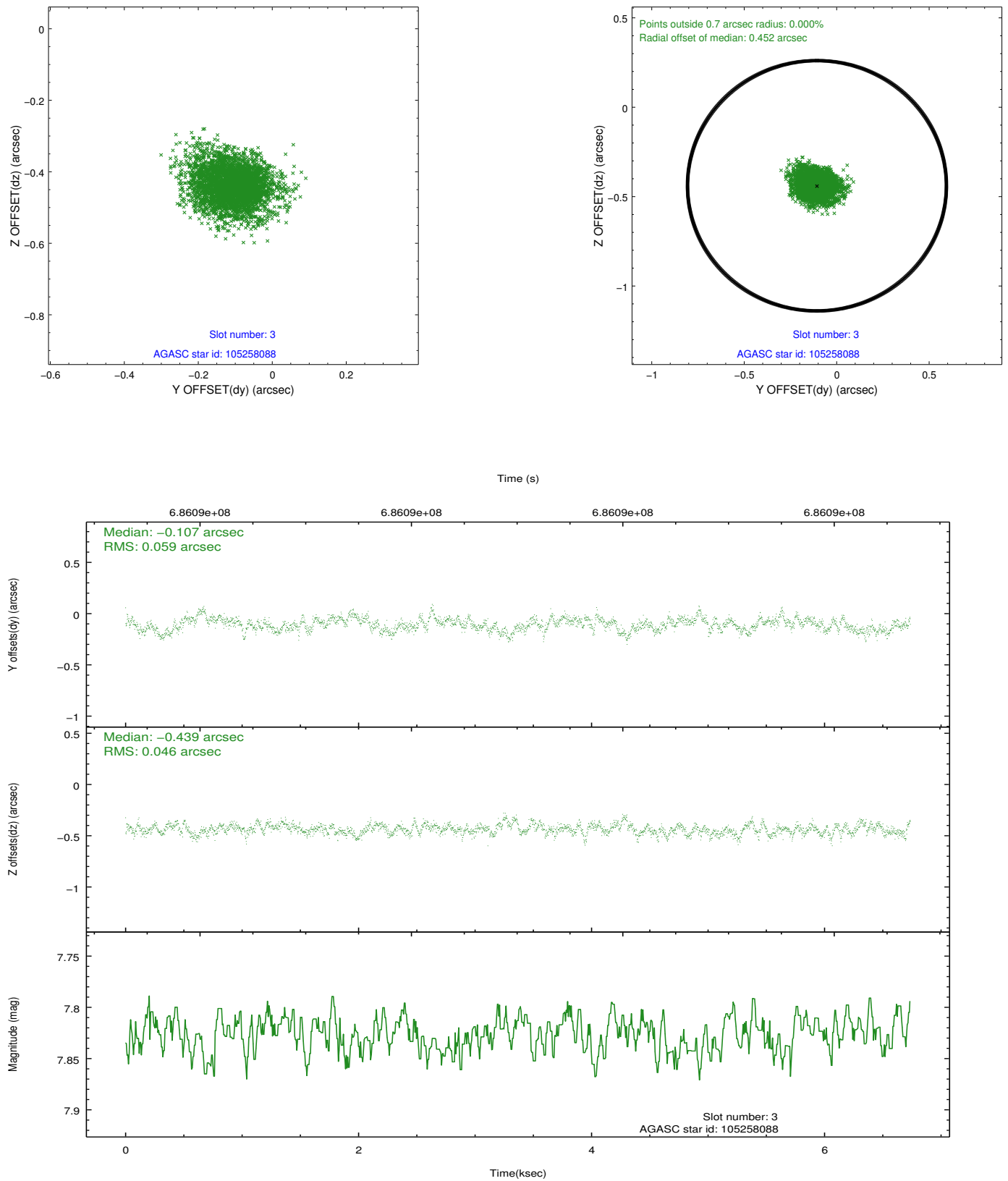


Slot Statistics

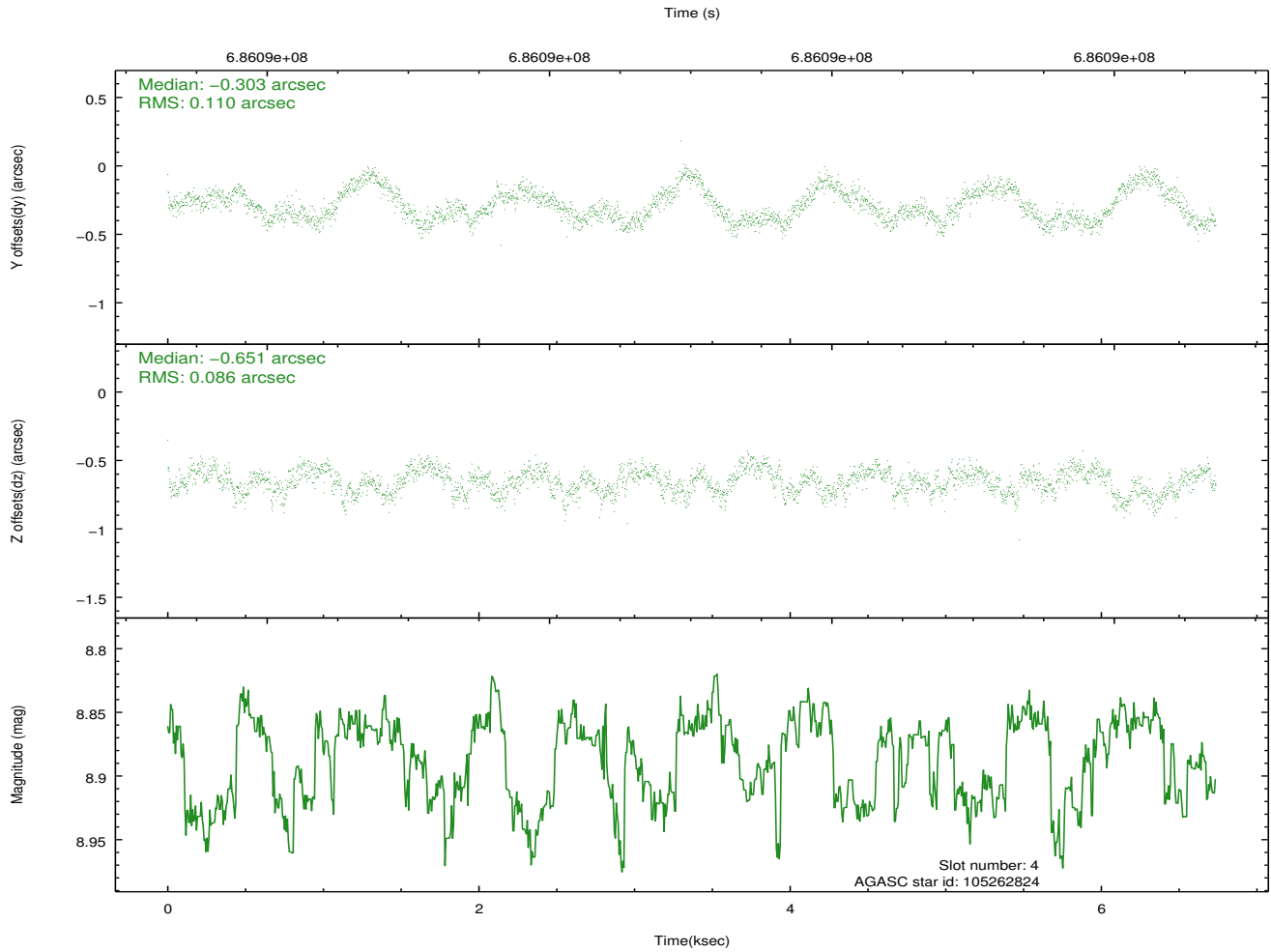
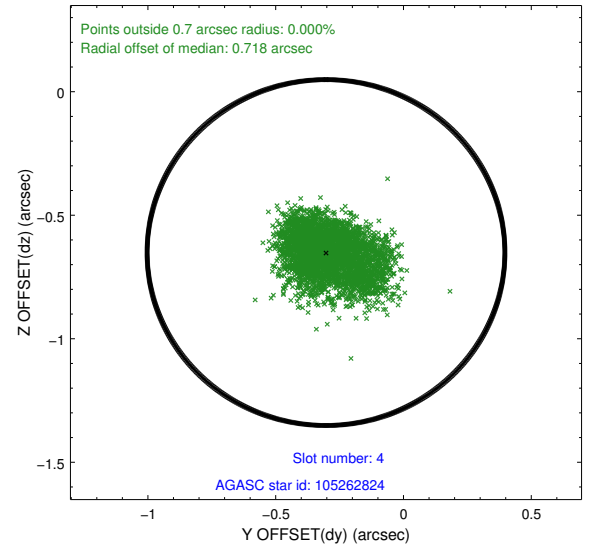
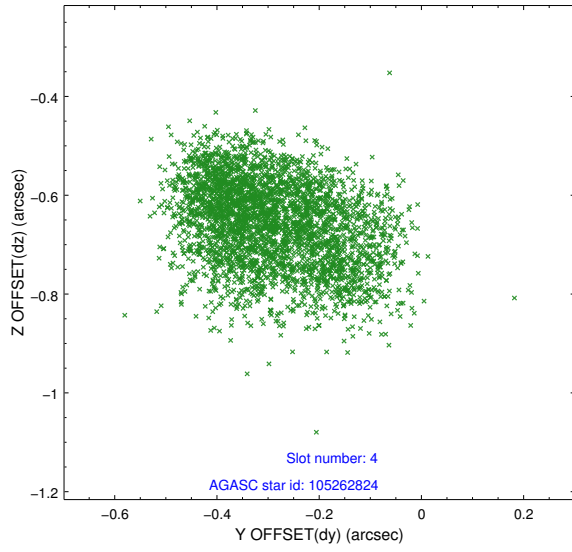
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.09	1643	1.000	-0.230	-0.197	0.011	0.020	0.000000	0.000000	-765.33	-1740
1	FID		ACIS-S-4	7.23	1643	1.000	0.687	0.164	0.025	0.044	0.000000	0.000000	2148.41	167
2	FID		ACIS-S-5	7.20	1643	1.000	-0.495	0.043	0.027	0.040	0.000000	0.000000	-1817.39	161
3	GUIDE	used	105258088	7.83	3287	1.000	-0.107	-0.439	0.079	0.132	126.232583	12.236126	1143.11	409
4	GUIDE	used	105262824	8.88	3282	1.000	-0.303	-0.651	0.150	0.238	125.790886	12.186918	712.17	1912
5	GUIDE	used	105264032	9.23	3282	1.000	0.381	-0.033	0.154	0.246	126.214985	11.742125	-620.87	176
6	GUIDE	used	105388544	8.90	3284	1.000	0.012	0.566	0.136	0.235	126.852221	11.825255	49.55	-1987
7	GUIDE	used	105392128	8.72	3285	1.000	-0.007	0.570	0.110	0.181	126.883353	11.982066	624.55	-2001

2.4 Star Slots

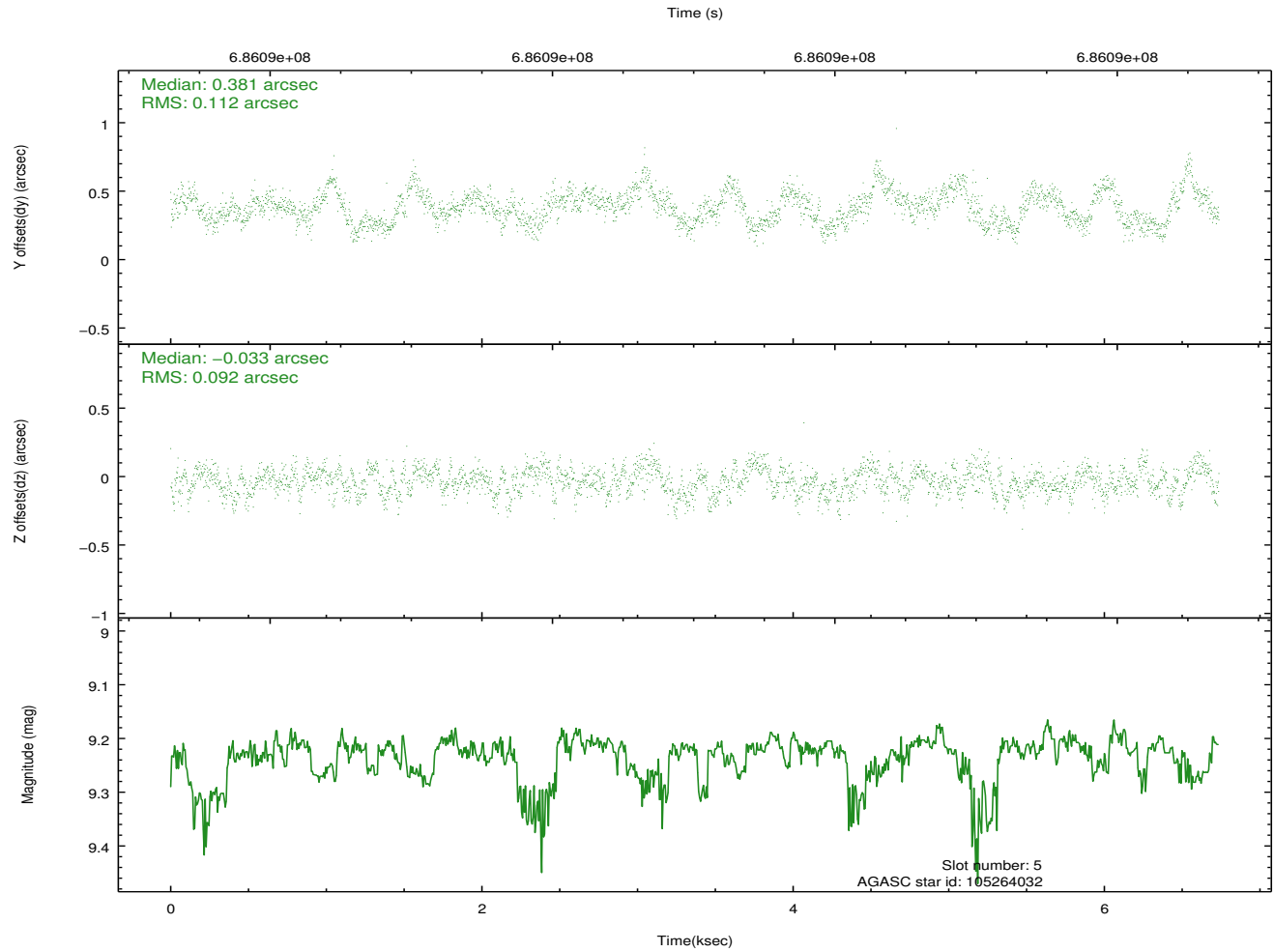
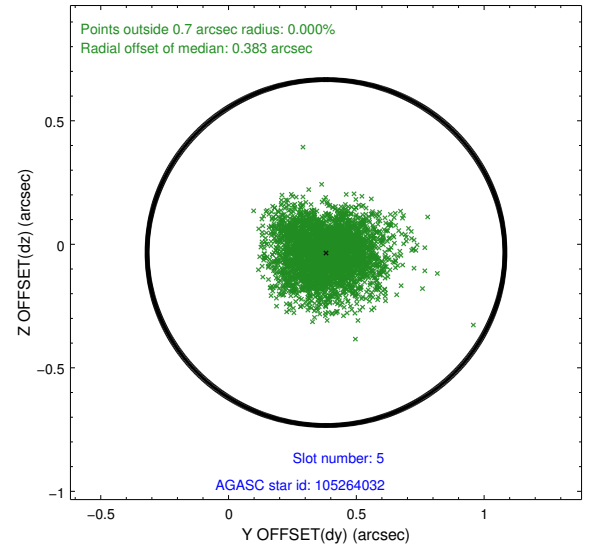
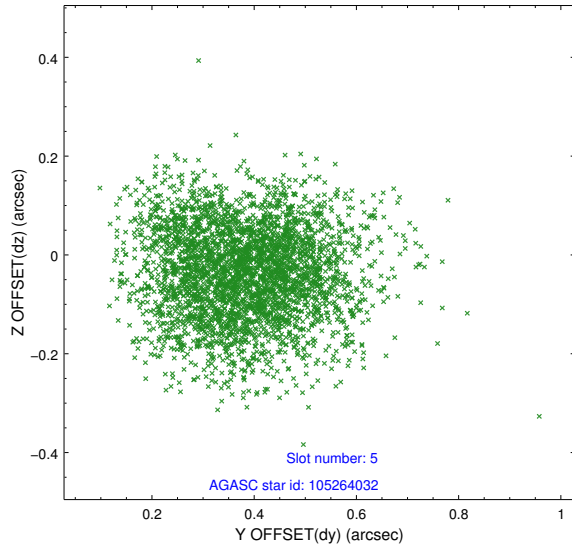
2.4.1 Slot 3



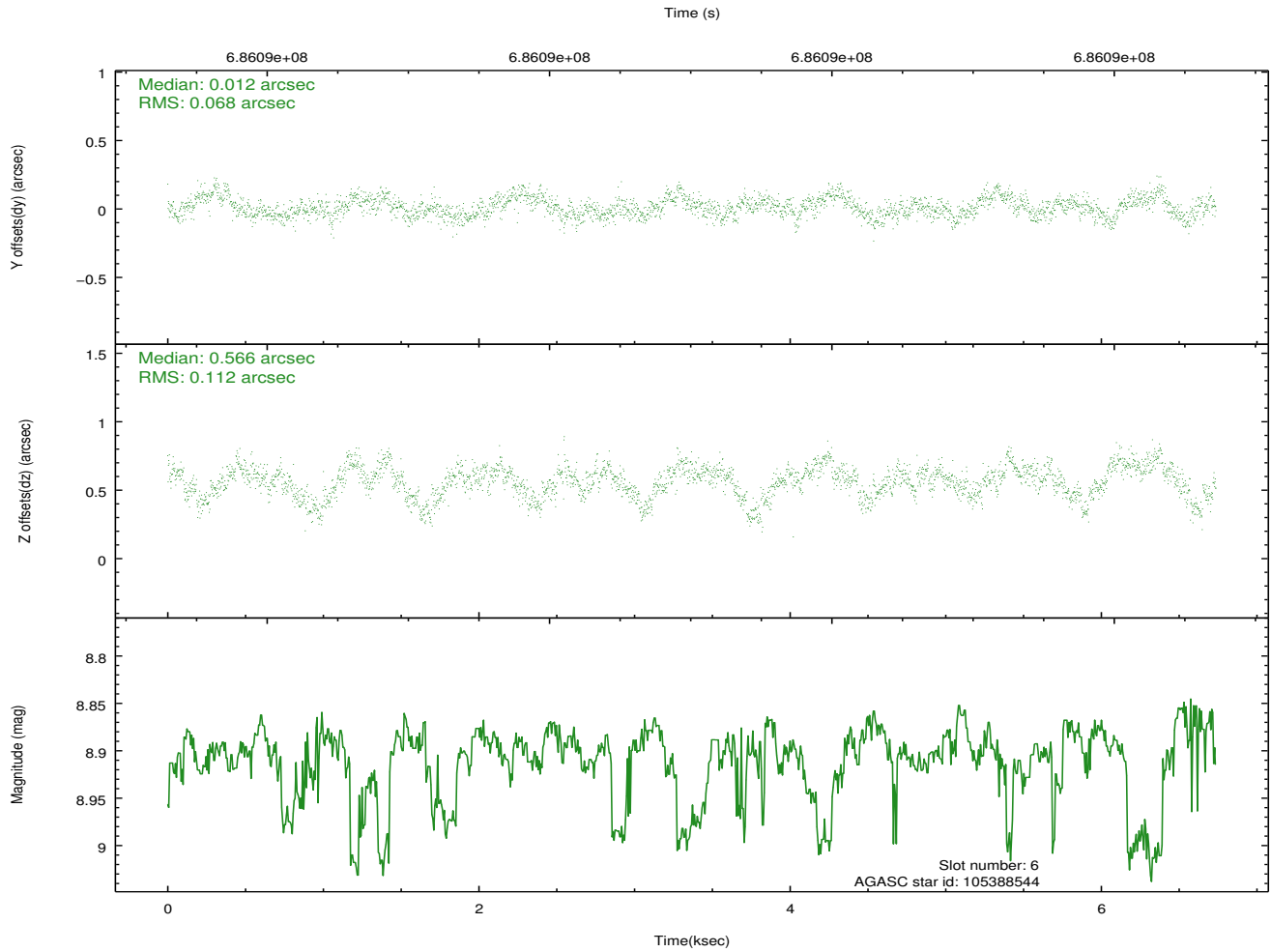
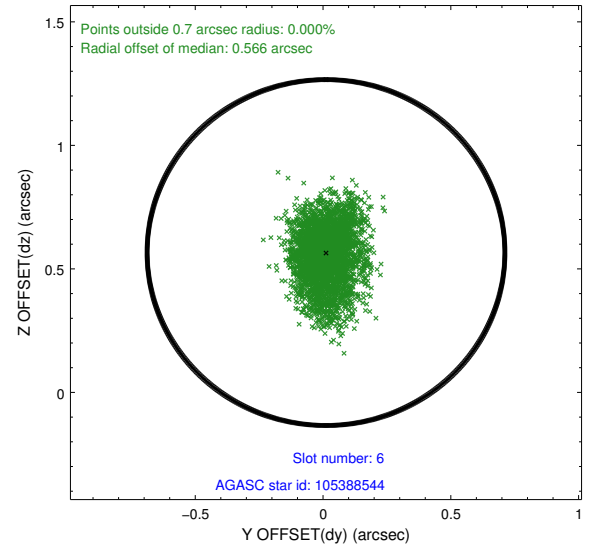
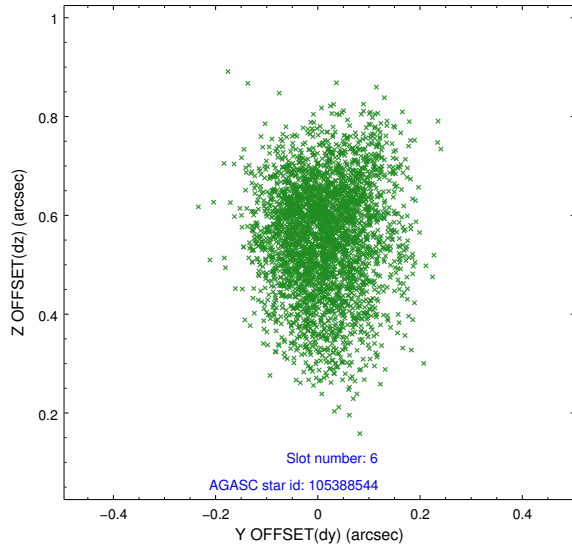
2.4.2 Slot 4



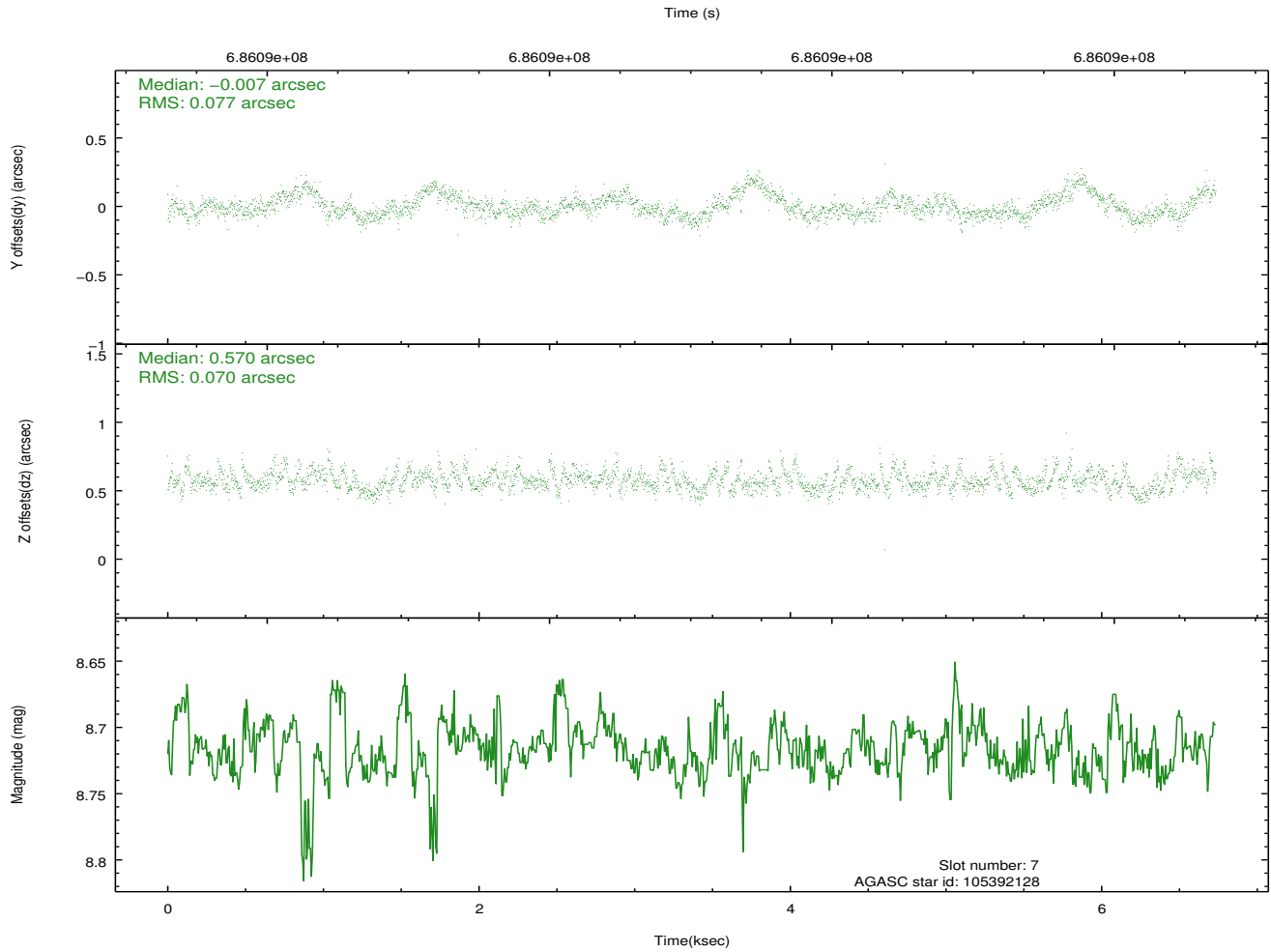
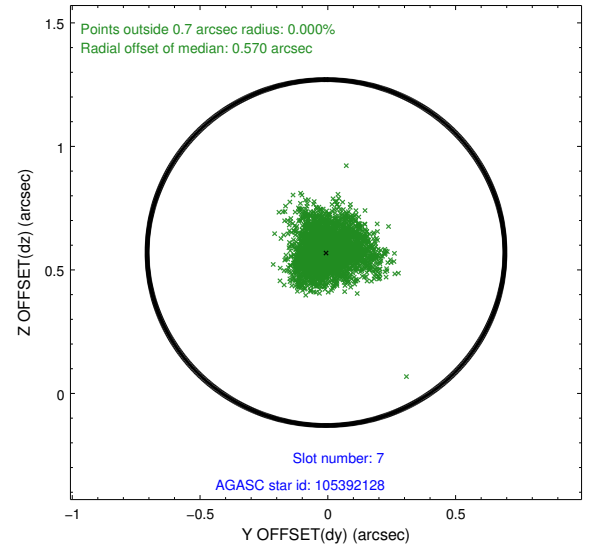
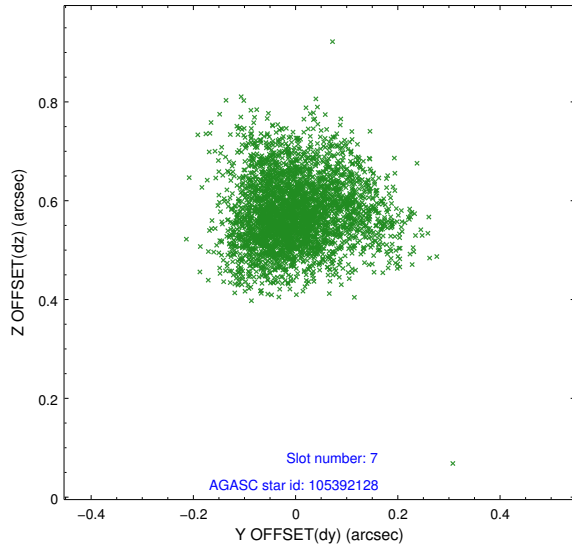
2.4.3 Slot 5



2.4.4 Slot 6

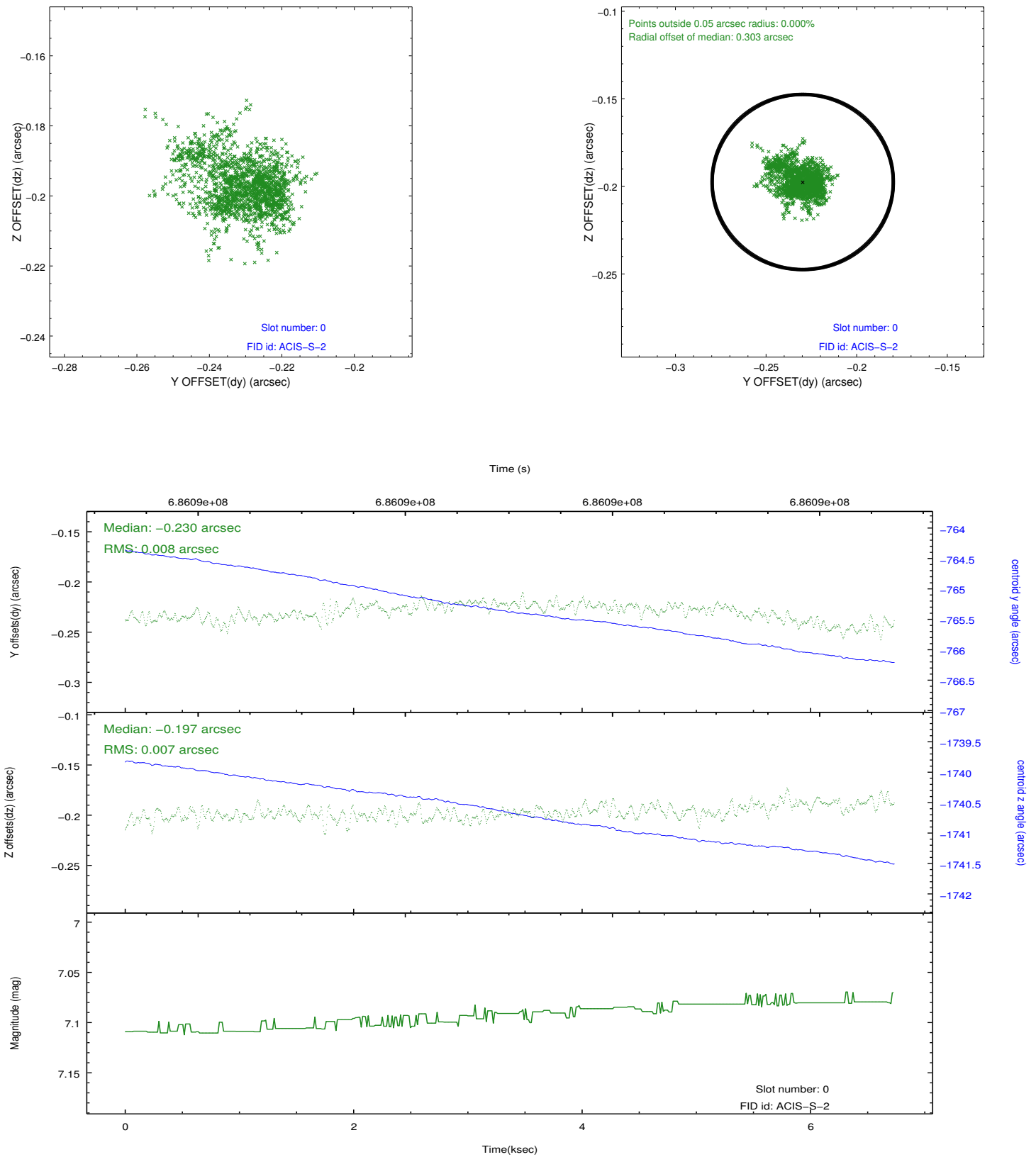


2.4.5 Slot 7

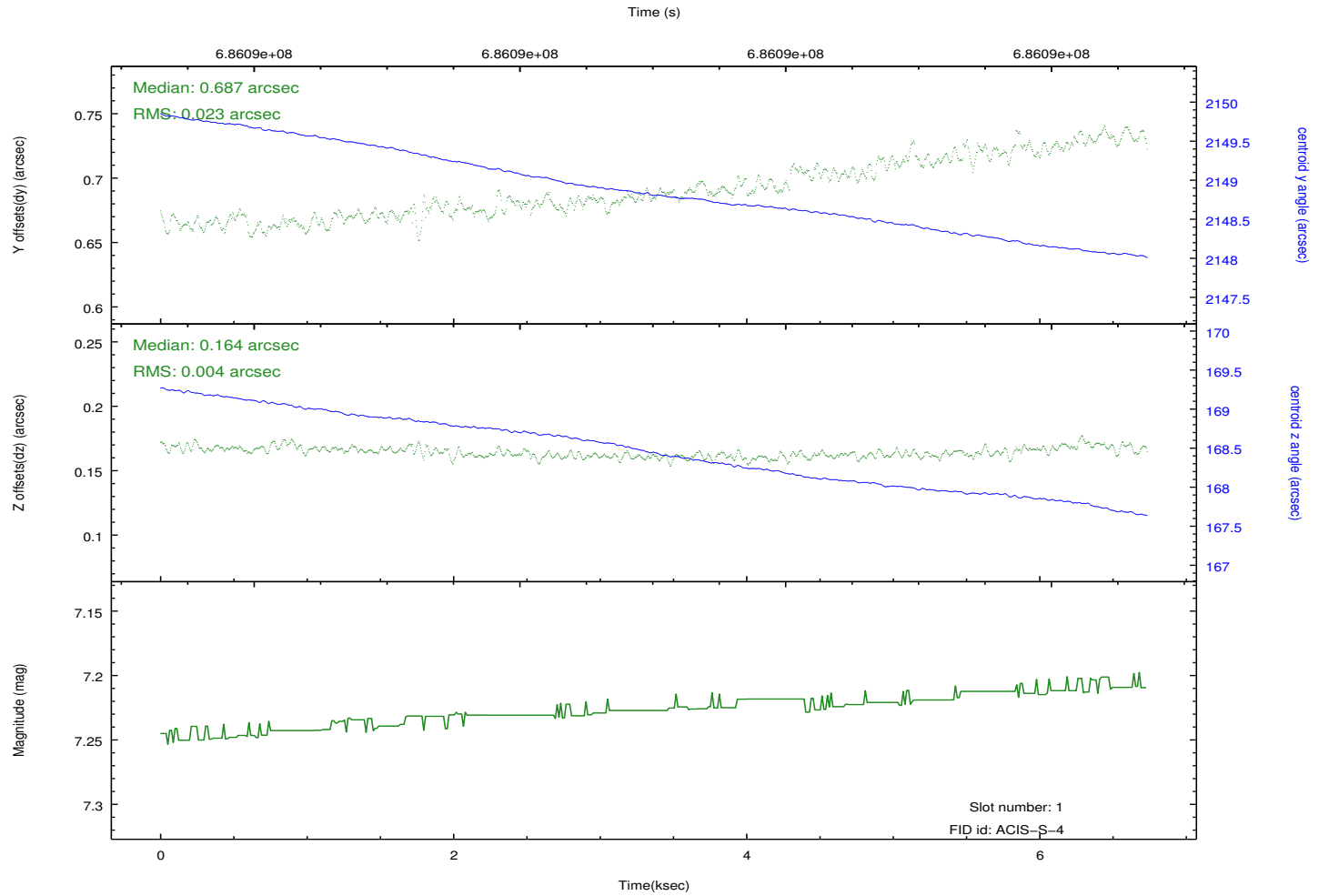
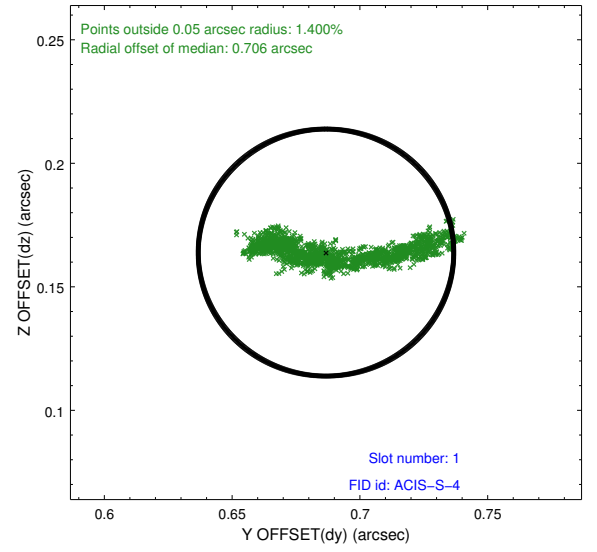
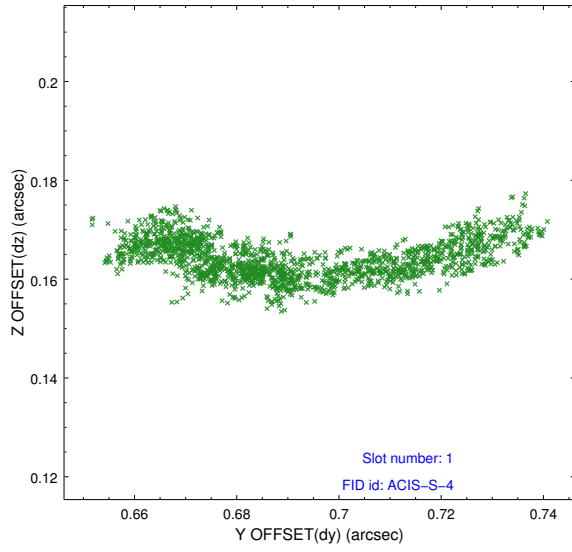


2.5 FID Slots

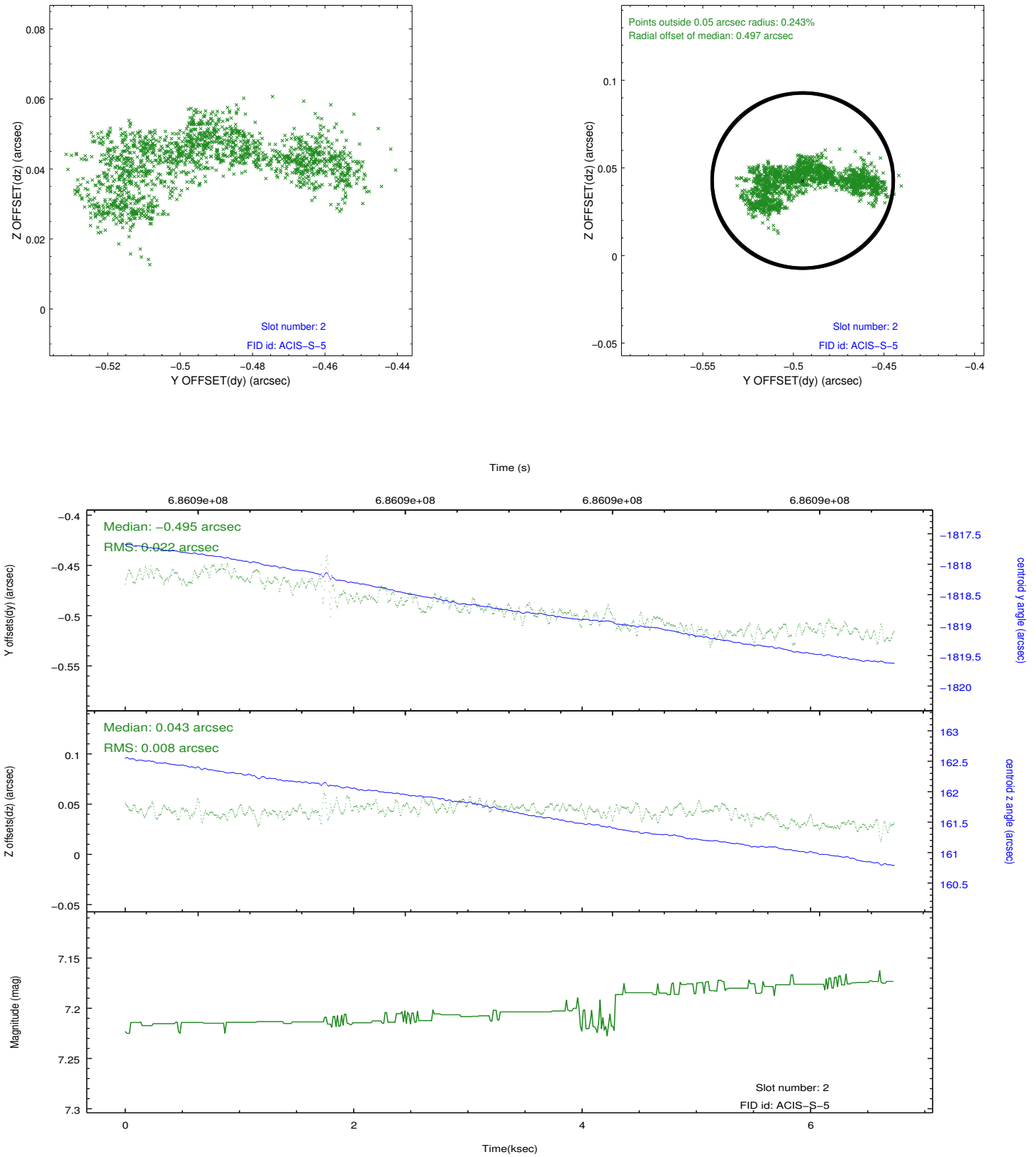
2.5.1 Slot 0



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)	2019.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.708400051713

A.2 Comments