

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22016 - L2 Version 1
Chandra X-Ray Center

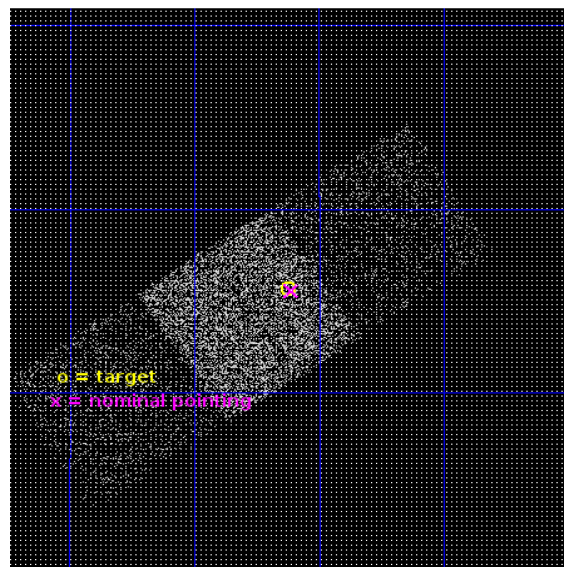
L2 Processing Date : Mar 16 2019

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1 Front

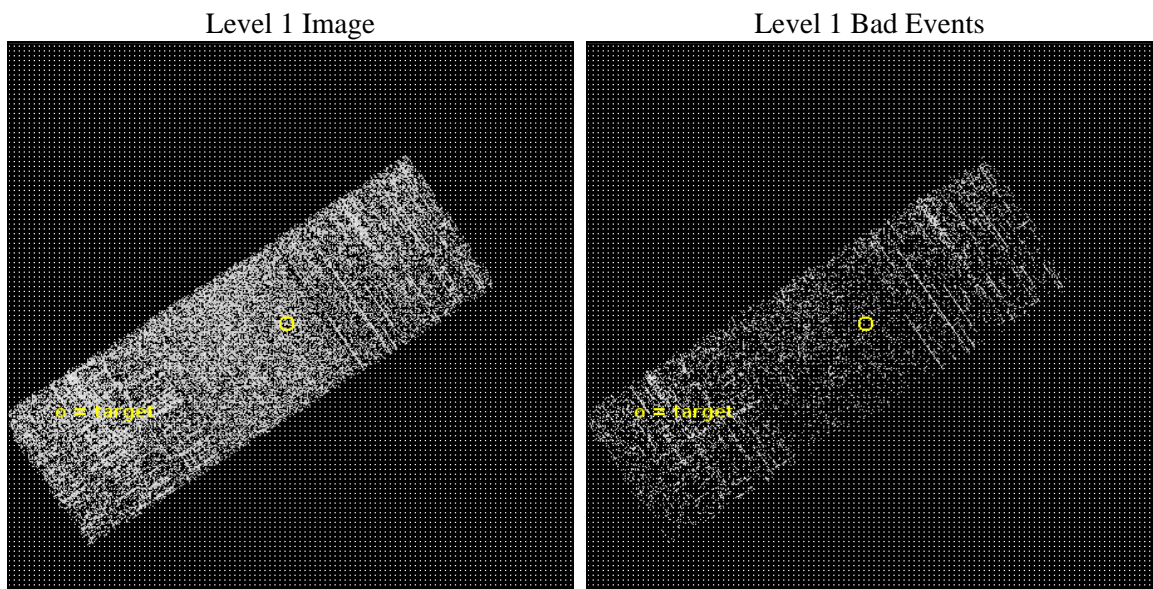
seq_num	703836	Sequence number
obs_id	22016	Observation id
title	Timely Assessment of the X-ray Flux of Newly Discovered Quadruply Lensed Quasars	Proposal title
observer	David Pooley	Principal investigator
object	SDSS J1251+2935	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.78125	Observer's specified target RA [deg]
dec_targ	29.594639	Observer's specified target Dec [deg]
ra_nom	192.77767896966	Nominal RA [deg]
dec_nom	29.592758580271	Nominal Dec [deg]
roll_nom	146.24614113252	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1610.5583591461	Sum of GTIs [s]
livetime	1589.5152285081	Livetime [s]
ontime6	1610.5173192024	Sum of GTIs [s]
ontime7	1610.5583591461	Sum of GTIs [s]
ontime8	1610.4762791395	Sum of GTIs [s]
l2events	9056	Number of level 2 events



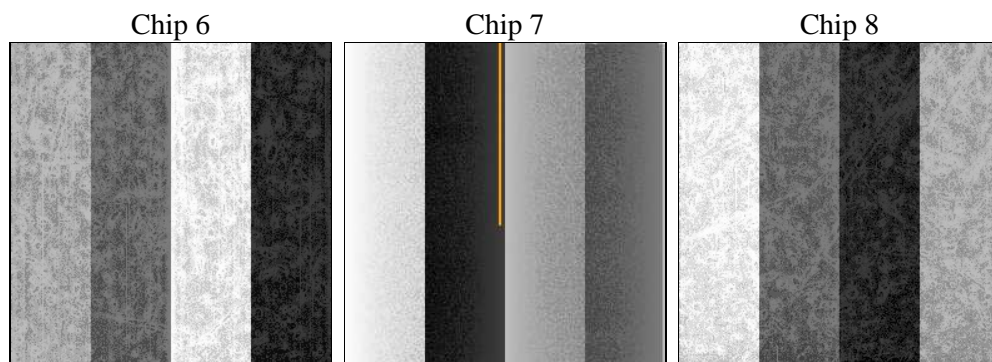
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	1610.5583591461	Sum of GTIs [s]
caldsver	4.8.2	 	ontime6	1610.5173192024	Sum of GTIs [s]
date	2019-03-16T14:45:24	Date and time of file creation	ontime7	1610.5583591461	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1610.4762791395	Sum of GTIs [s]
			l1events	44944	Number of level 1 events

2.1.4 Events

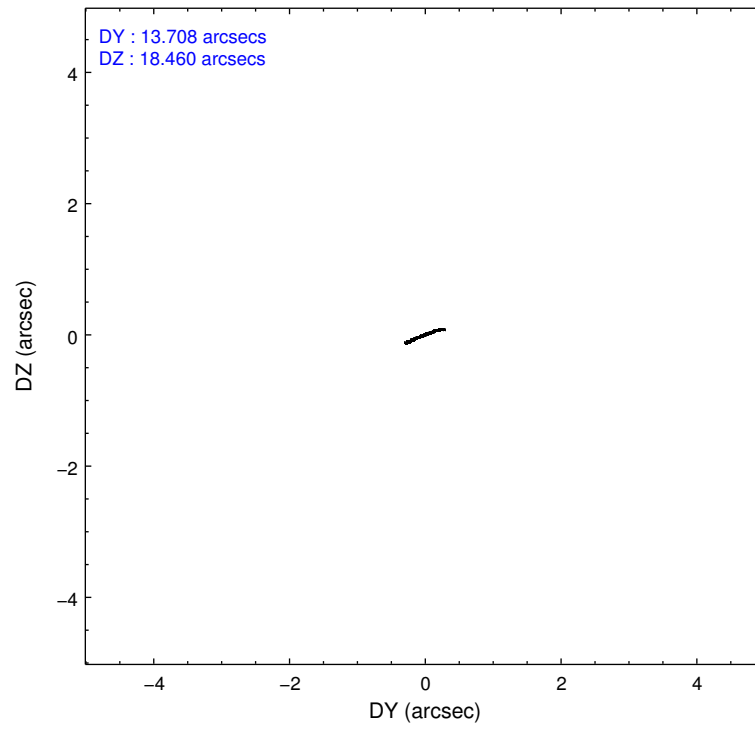
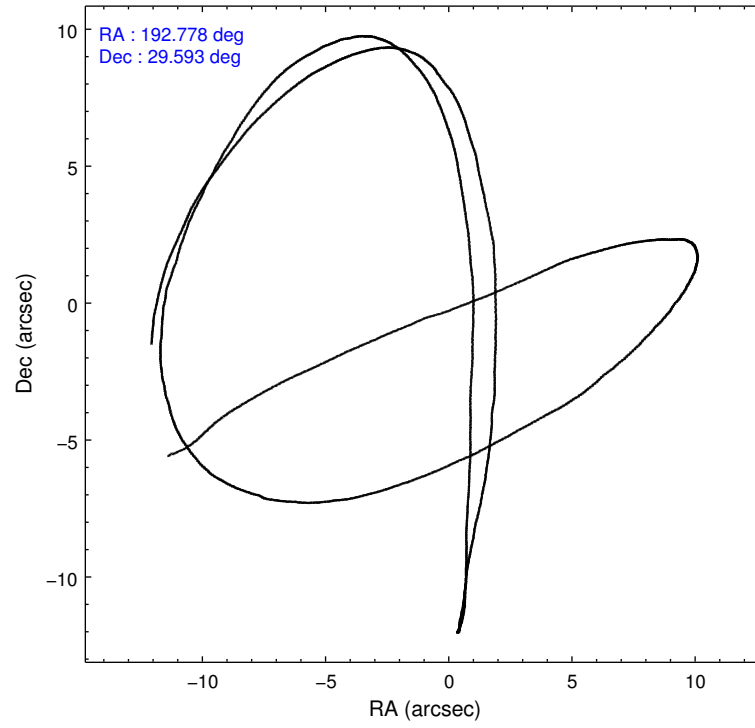
	ccd 6	ccd 7	ccd 8
level 1 events	12789	15710	16445
rejected events	11404	8982	12311
rejected %	89%	57%	74%

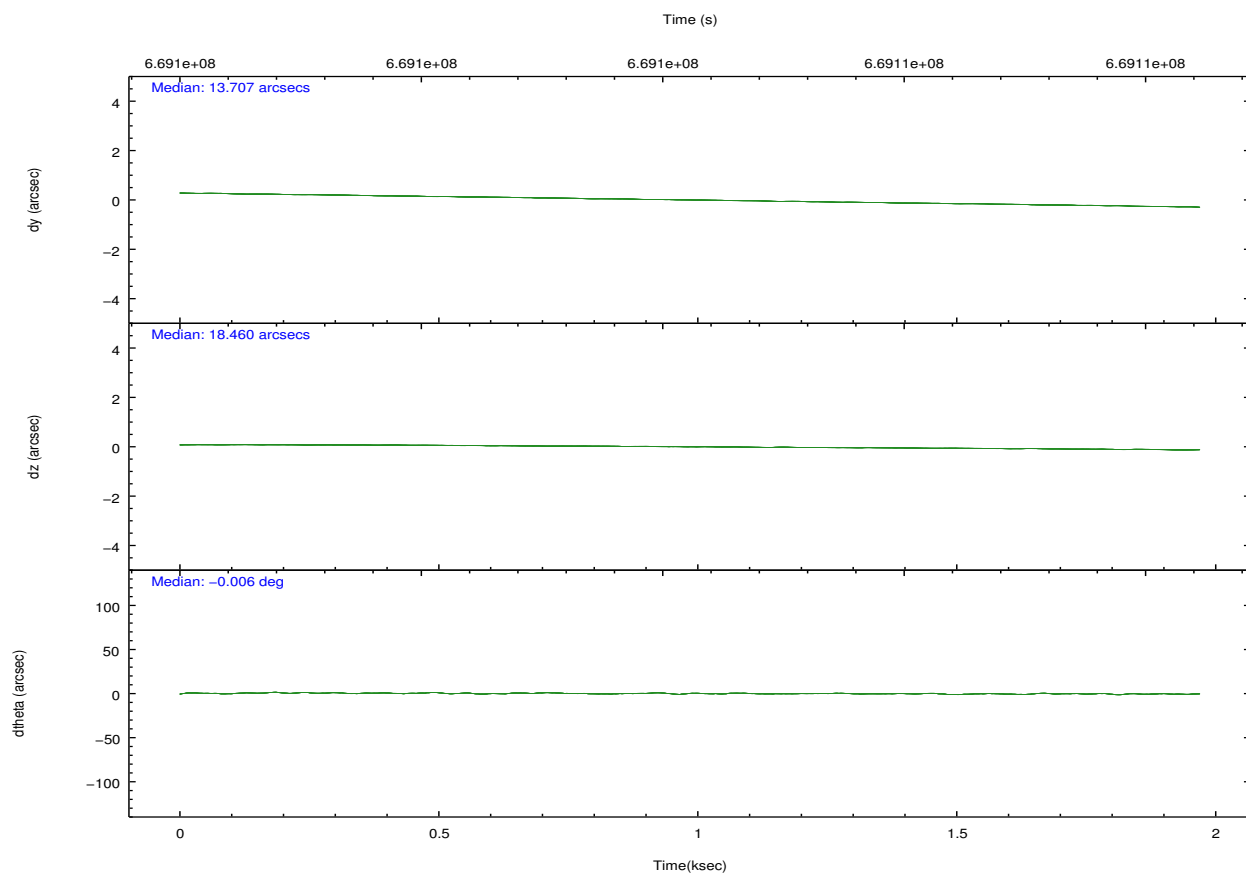
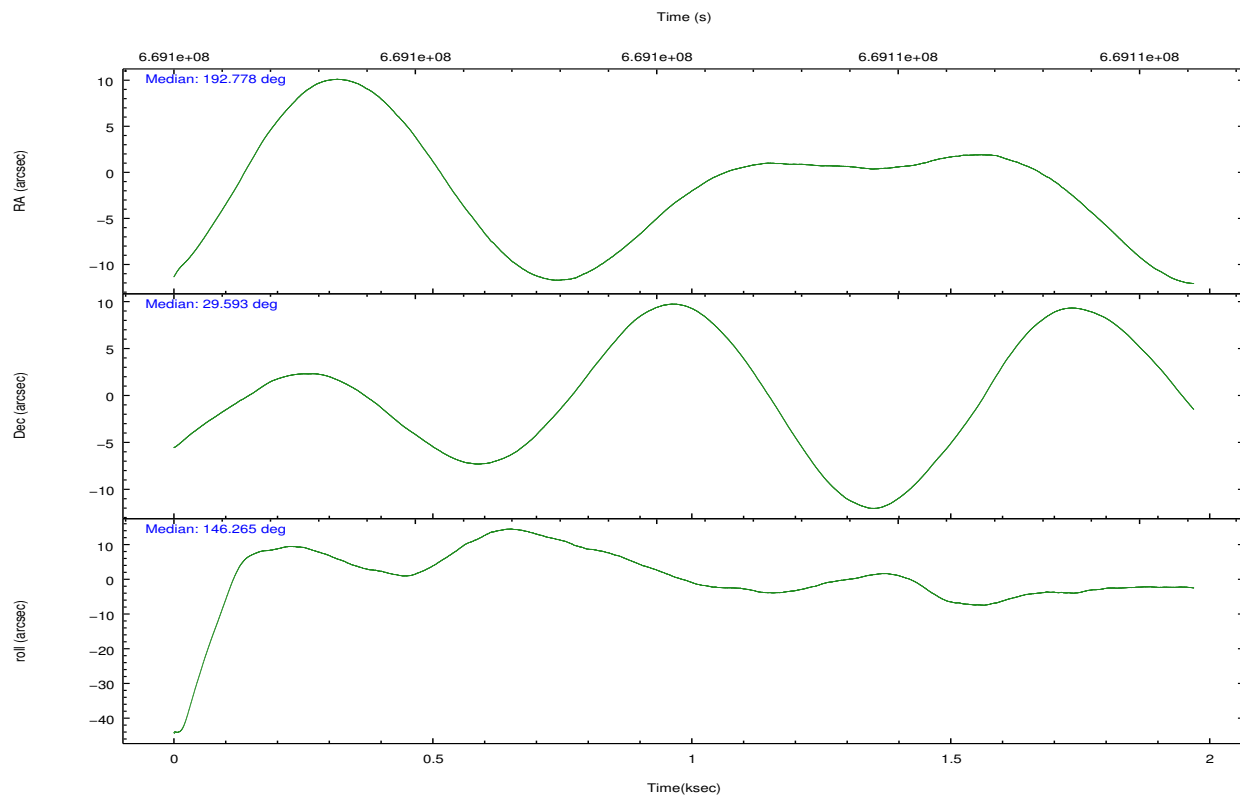
	ccd 6	ccd 7	ccd 8
grade 0 events	327	551	1013
	2%	3%	6%
grade 1 events	6	24	10
	0%	0%	0%
grade 2 events	433	1387	1140
	3%	8%	6%
grade 3 events	100	524	392
	0%	3%	2%
grade 4 events	102	502	338
	0%	3%	2%
grade 5 events	472	1471	801
	3%	9%	4%
grade 6 events	428	3777	1284
	3%	24%	7%
grade 7 events	10921	7474	11467
	85%	47%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	192.809105	192.7776789696564	CCD I2 on	N	N
[deg] Pointing Dec	29.591250	29.59275858027092	CCD I3 on	N	N
[deg] Pointing Roll	146.073996	146.2461411325158	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	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)	669104541.184000	669103559.39546	CCD S5 on	N	N
Observation start date	2019-03-16T06:21:12	2019-03-16T06:05:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	669106041.184000	669106905.50816	On-chip summing requested	N	N
Observation end date	2019-03-16T06:46:12	2019-03-16T07:01:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



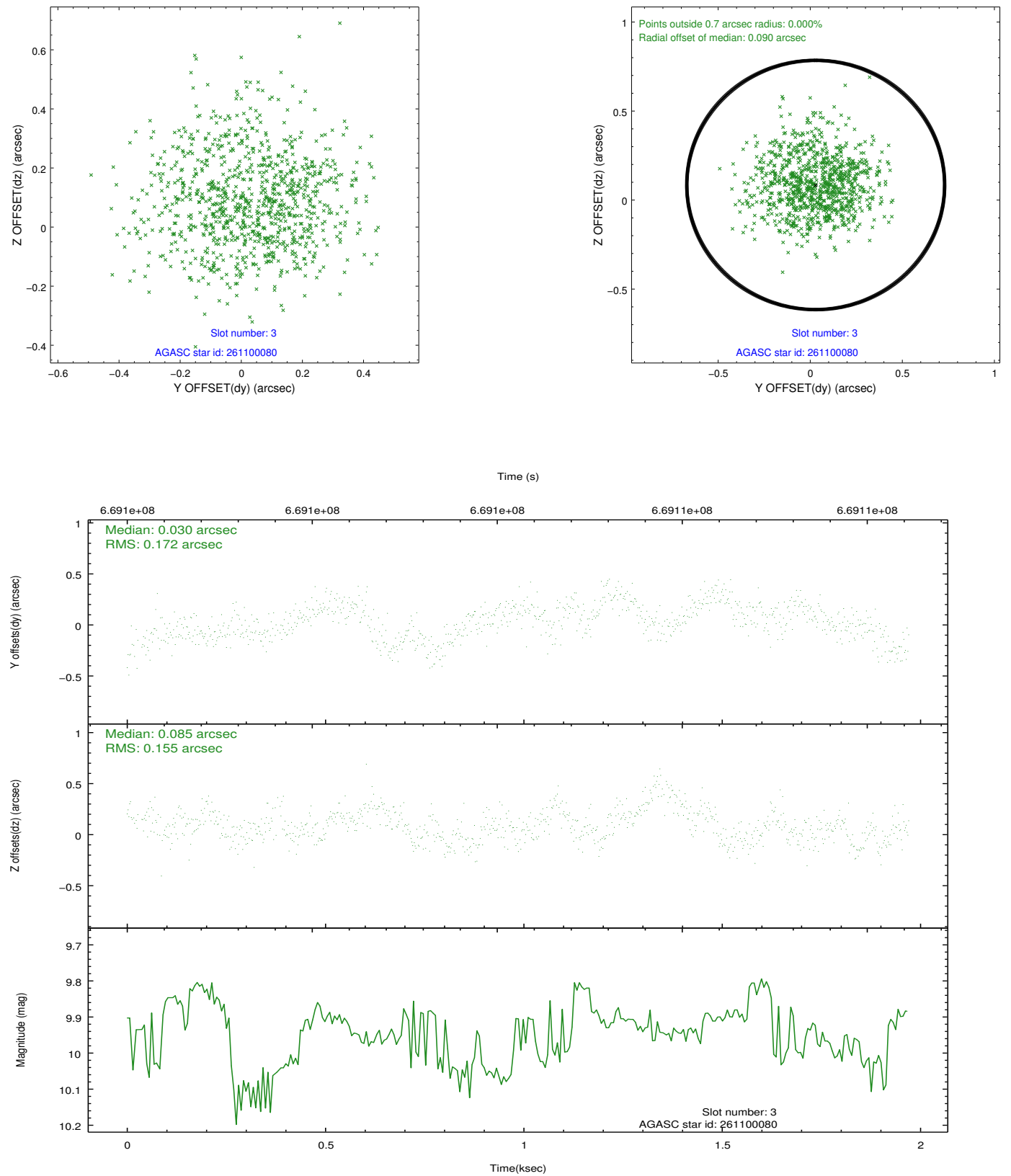


Slot Statistics

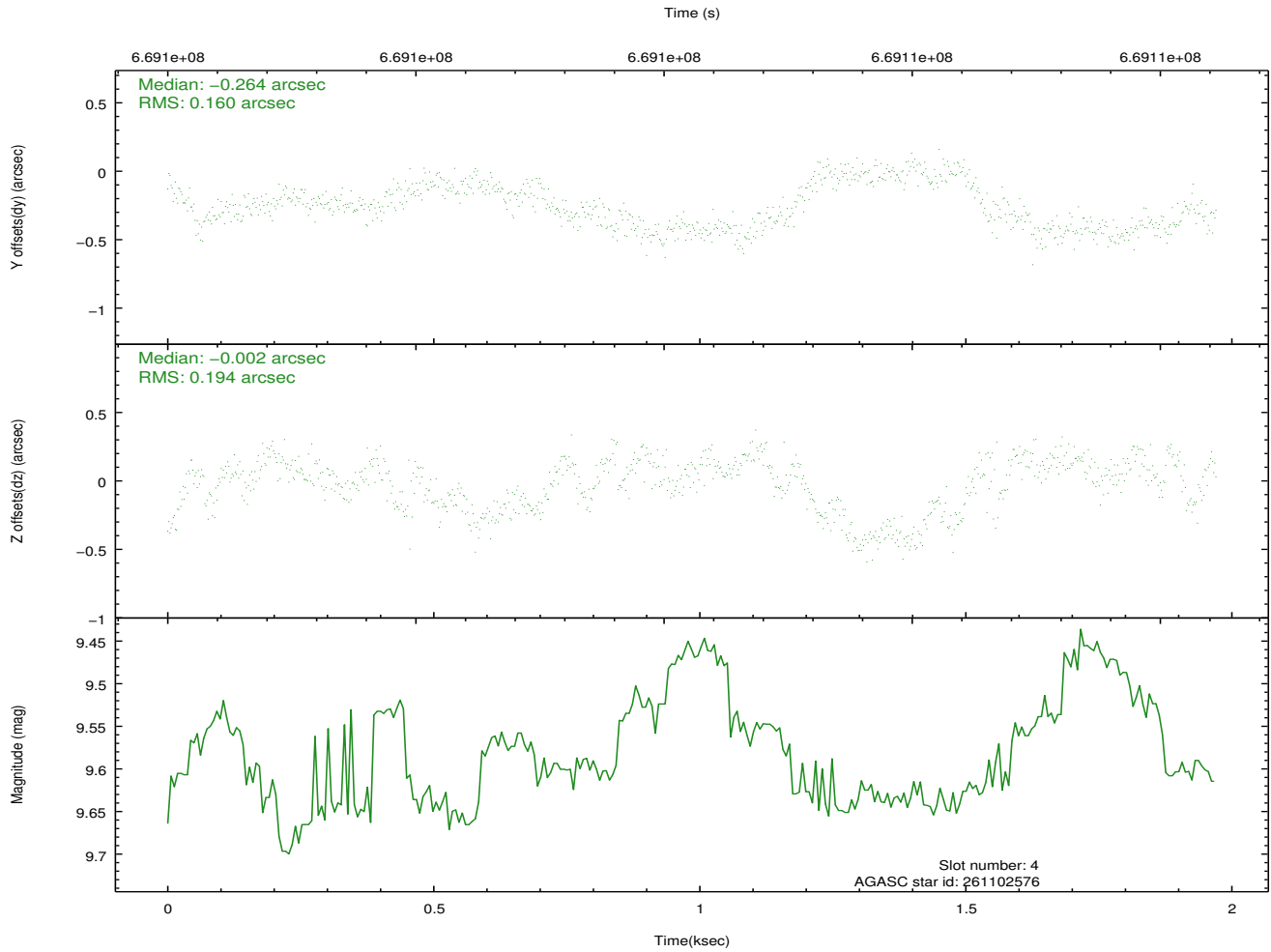
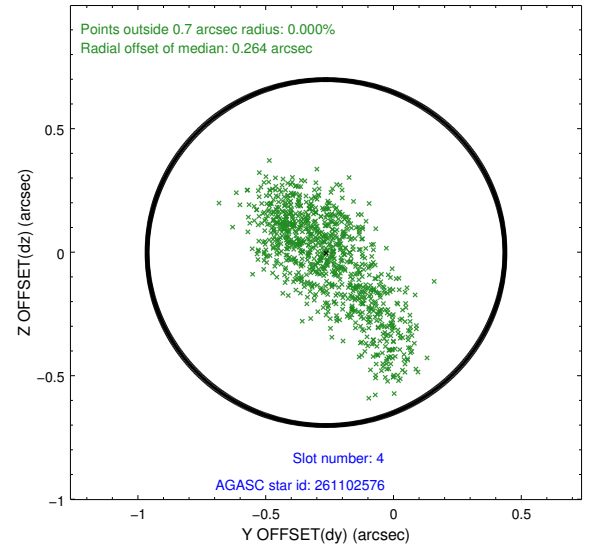
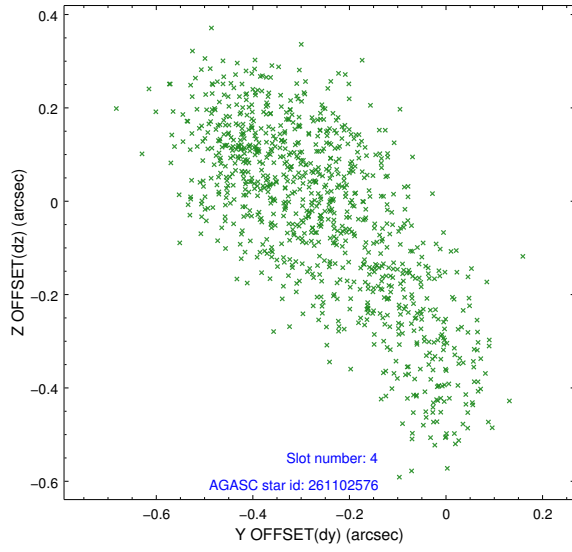
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.13	481	1.000	-0.274	-0.244	0.010	0.018	0.000000	0.000000	-766.86	-1740
1	FID		ACIS-S-4	7.26	481	1.000	0.795	0.197	0.012	0.021	0.000000	0.000000	2145.91	165
2	FID		ACIS-S-5	7.23	481	1.000	-0.552	0.055	0.008	0.014	0.000000	0.000000	-1815.78	162
3	GUIDE	used	261100080	9.94	947	1.000	0.030	0.085	0.248	0.396	191.777970	29.454593	2415.28	2199
4	GUIDE	used	261102576	9.59	962	1.000	-0.264	-0.002	0.252	0.471	192.431937	29.156069	112.02	1963
5	GUIDE	used	261103168	7.49	962	1.000	-0.145	-0.041	0.094	0.161	191.953448	29.532153	2111.73	1665
6	GUIDE	used	261507616	9.02	961	1.000	0.112	-0.135	0.192	0.310	192.832678	28.857509	-1533.43	2156
7	GUIDE	used	261508096	8.57	961	1.000	0.288	0.142	0.157	0.253	193.103123	28.839508	-2280.37	1730

2.4 Star Slots

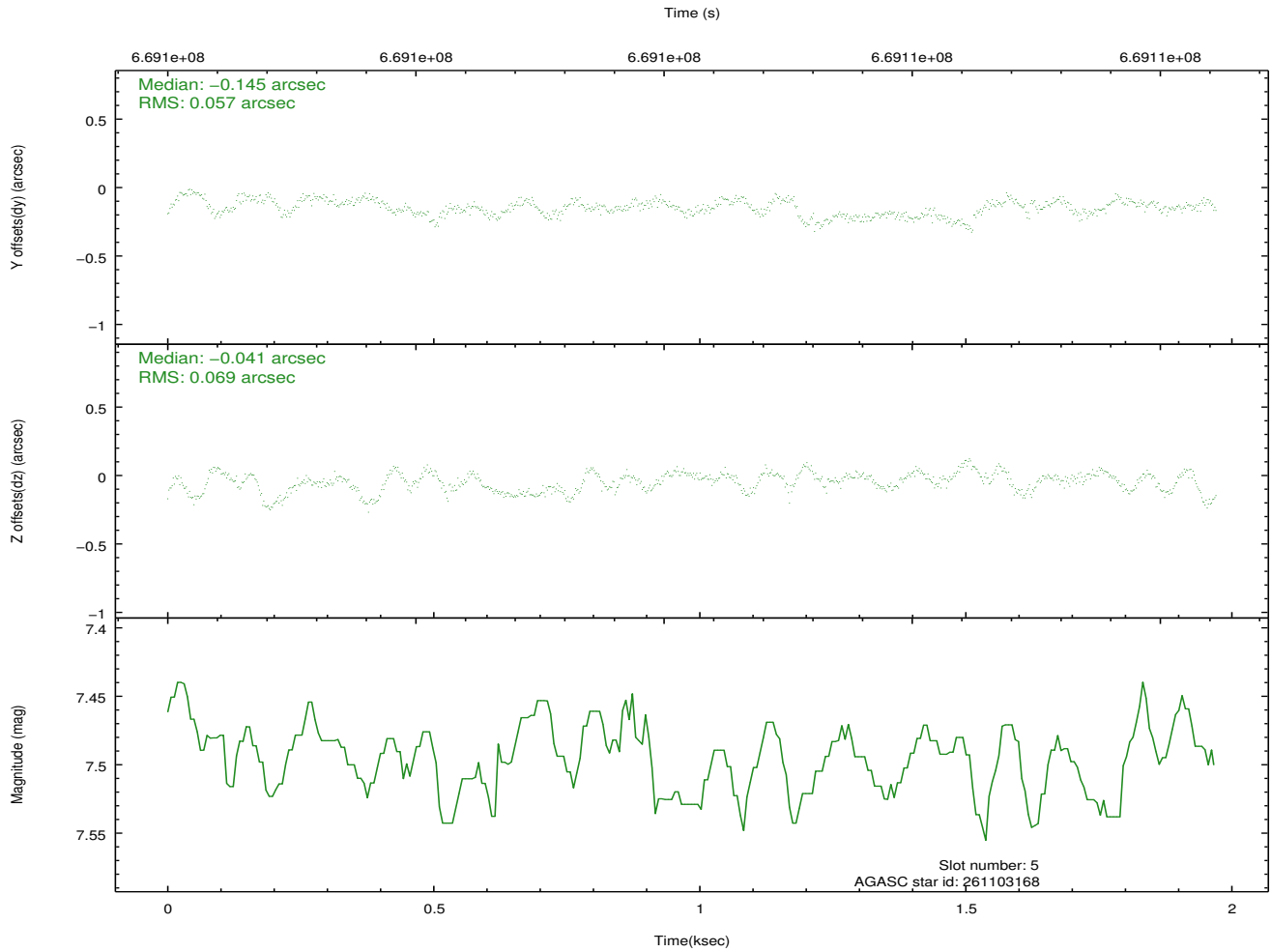
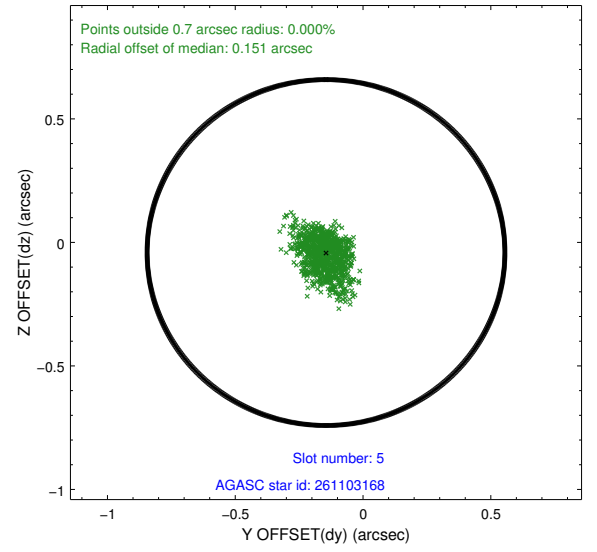
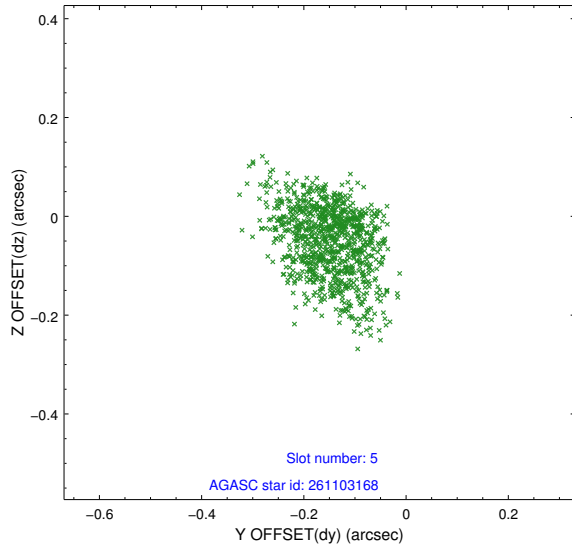
2.4.1 Slot 3



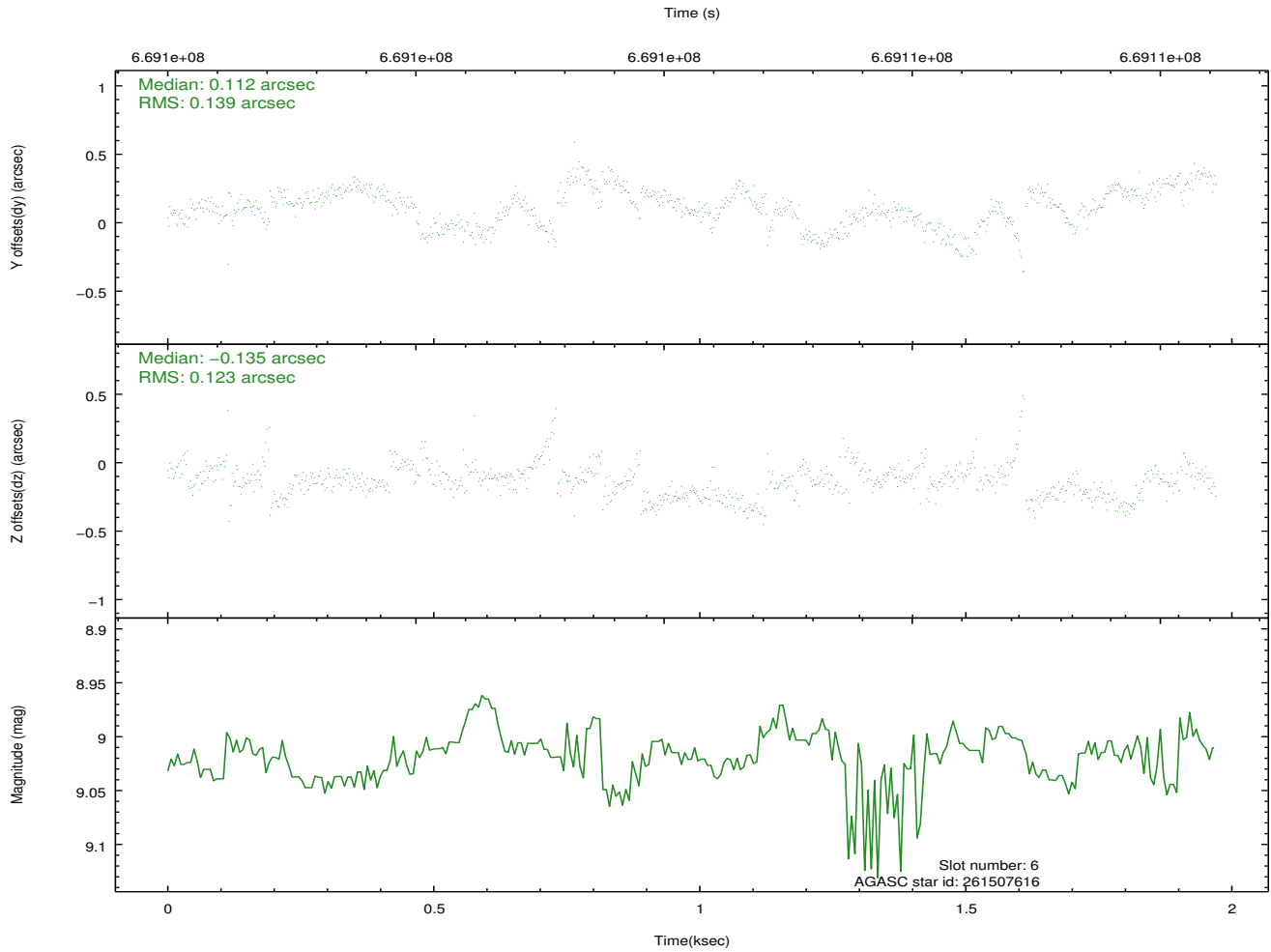
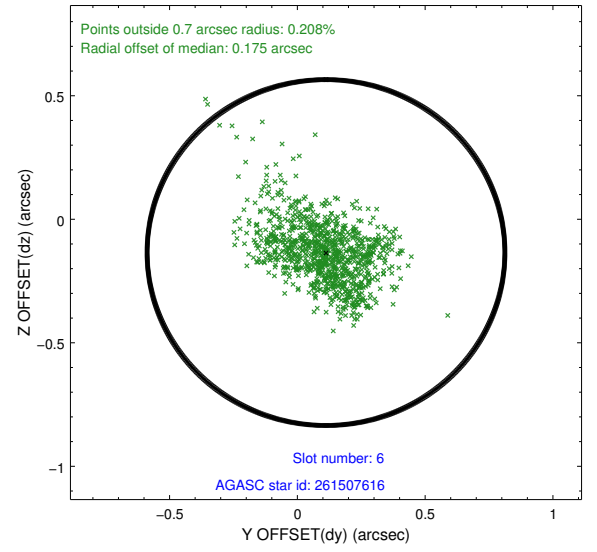
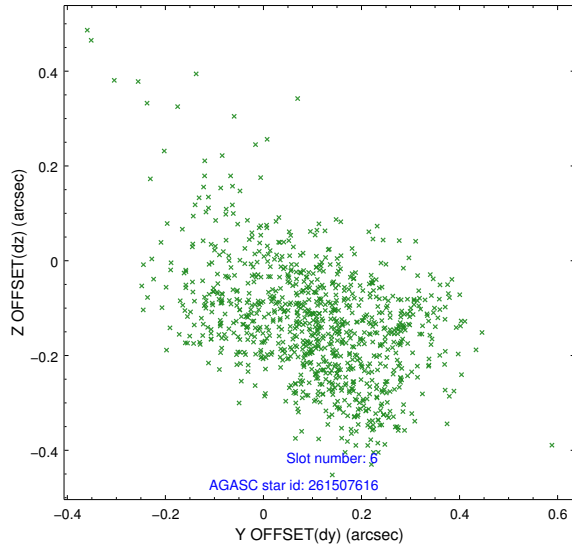
2.4.2 Slot 4



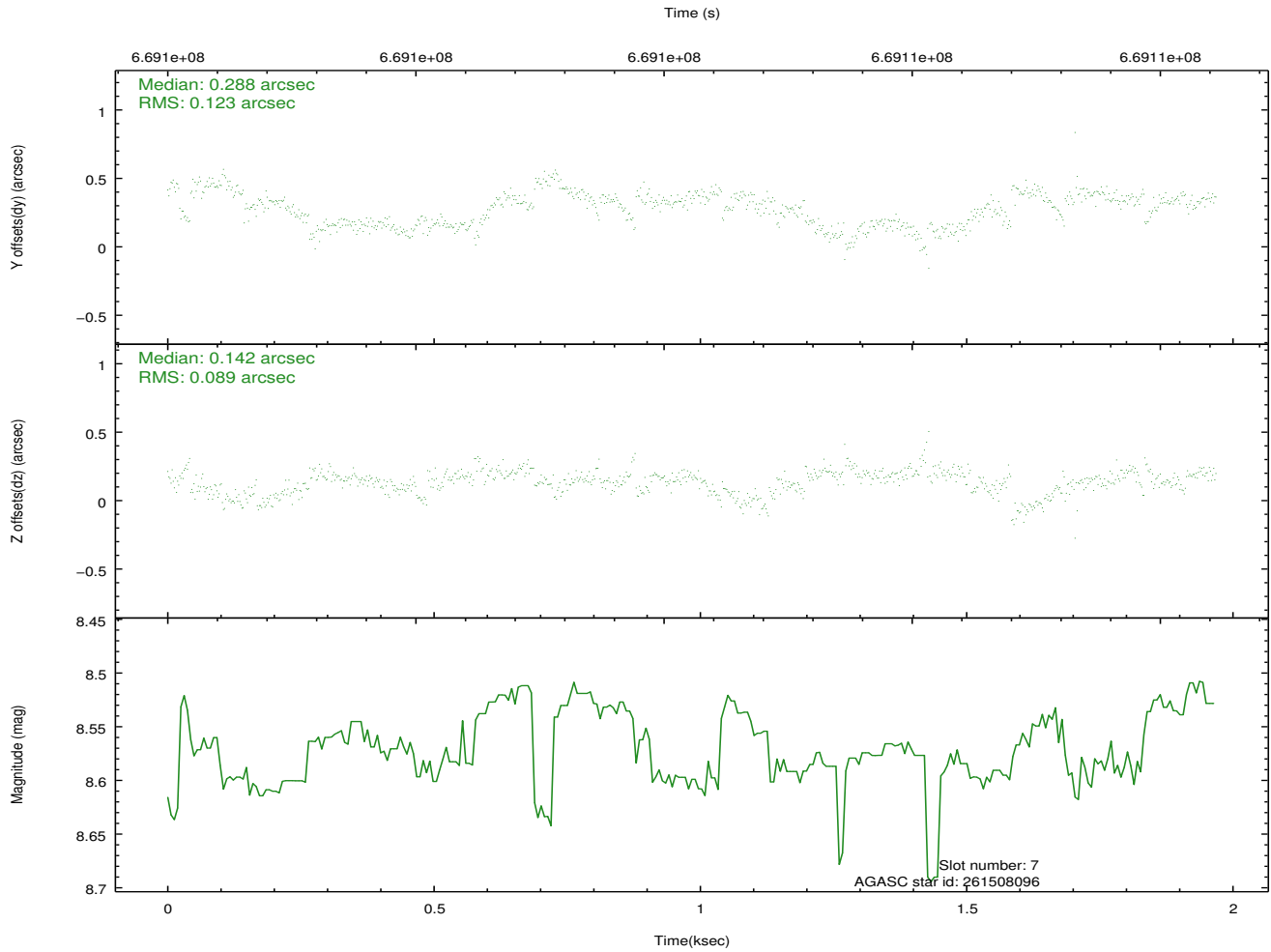
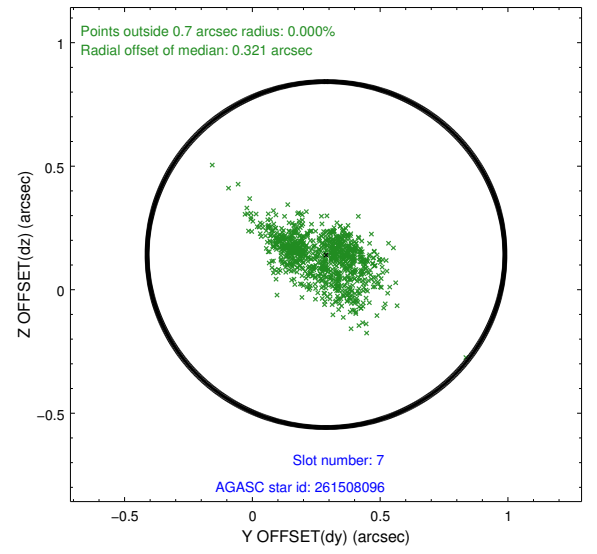
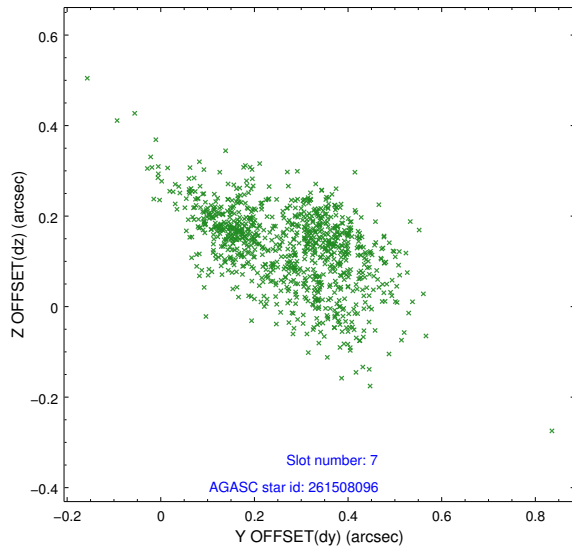
2.4.3 Slot 5



2.4.4 Slot 6

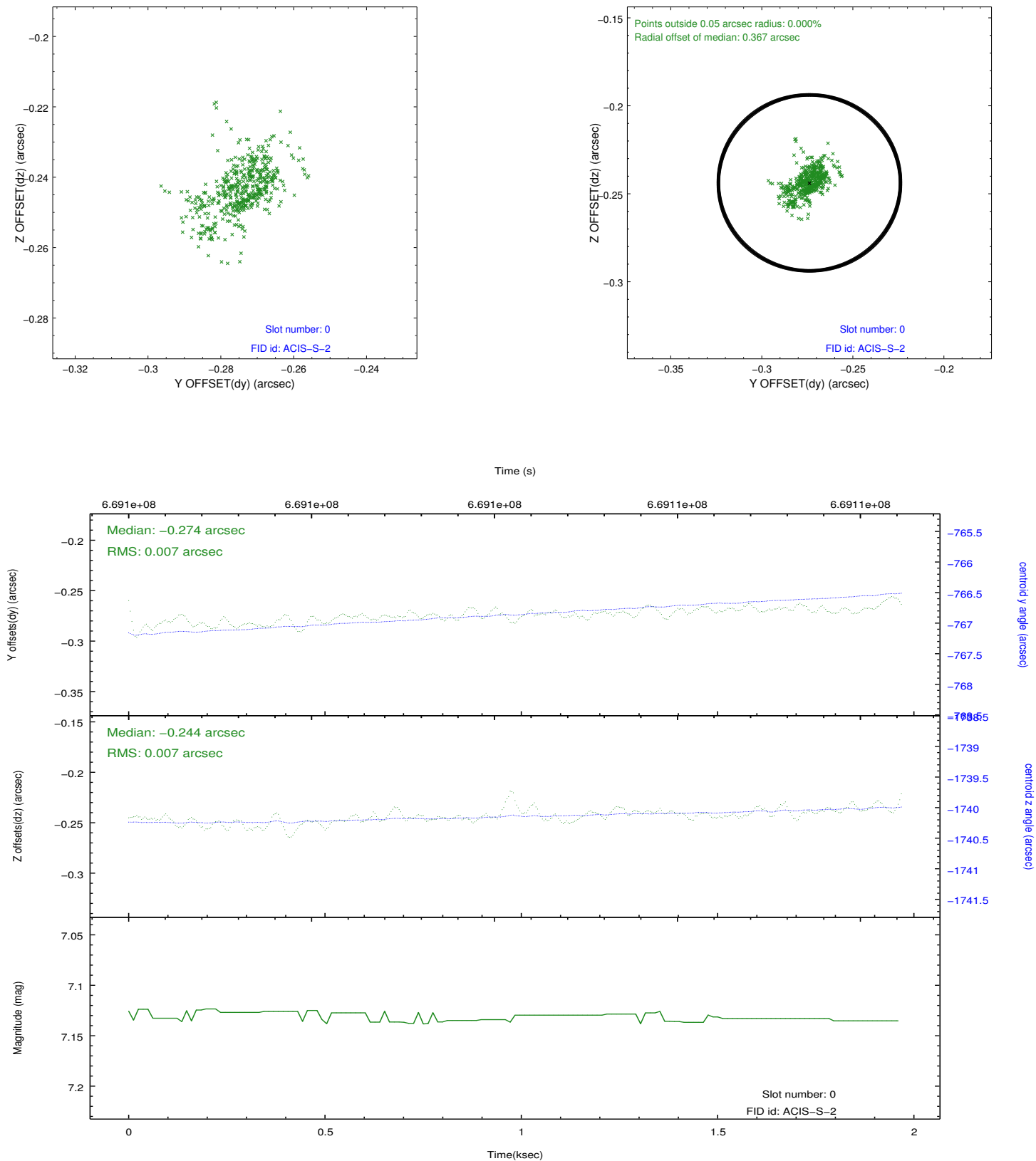


2.4.5 Slot 7

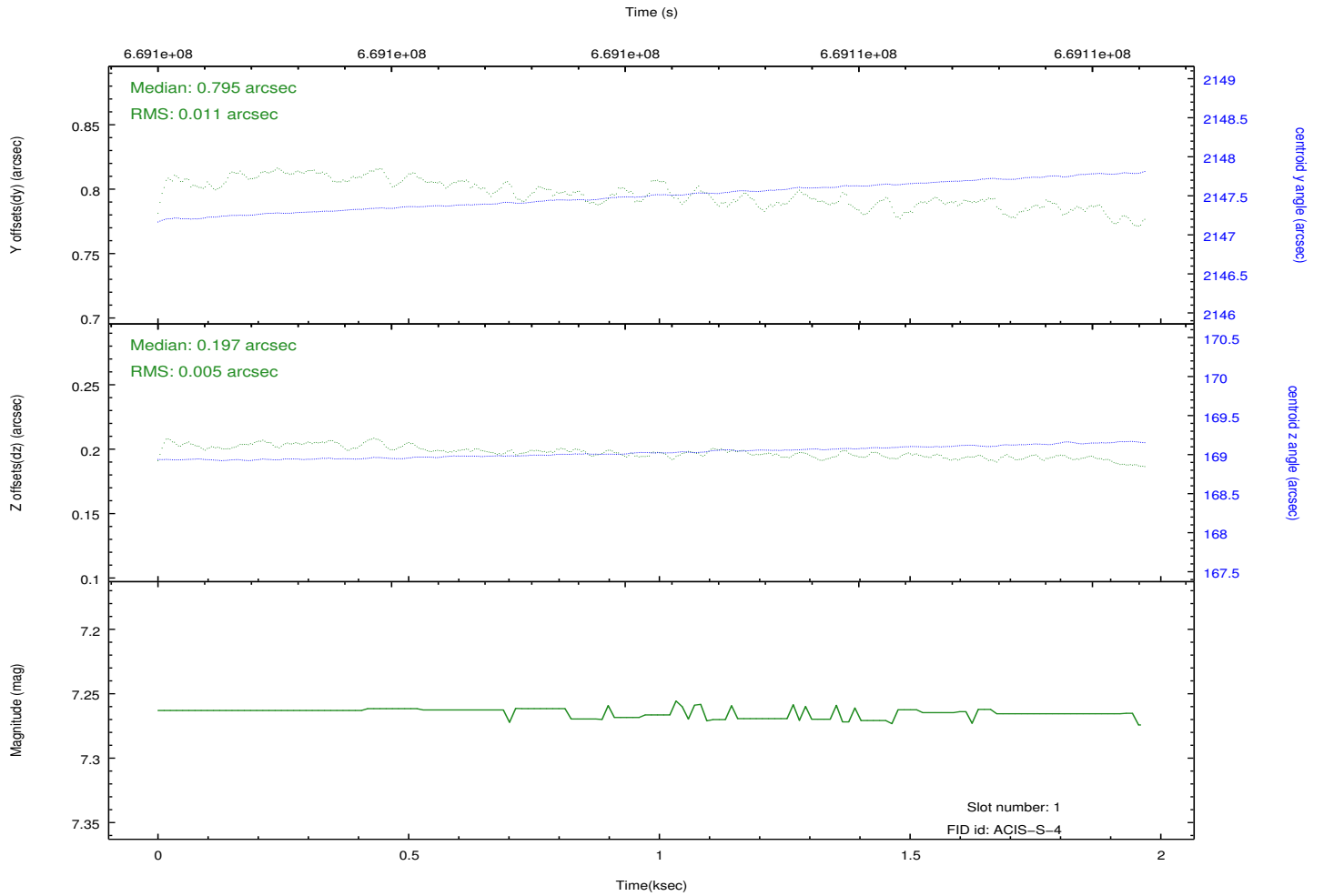
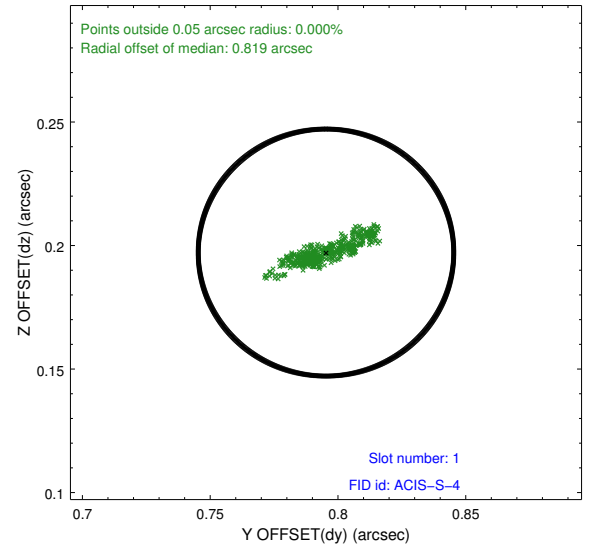
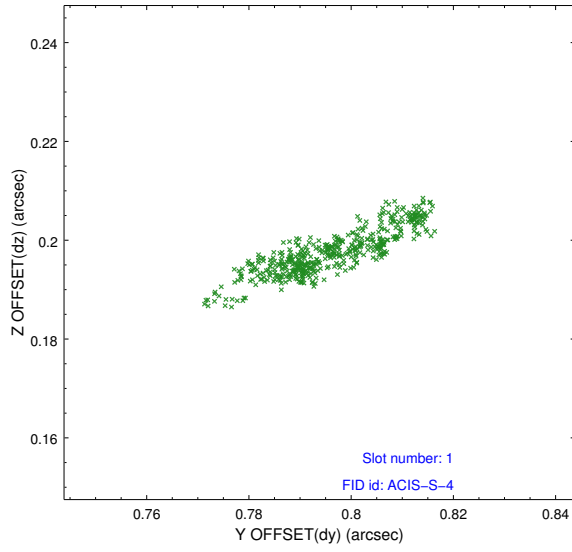


2.5 FID Slots

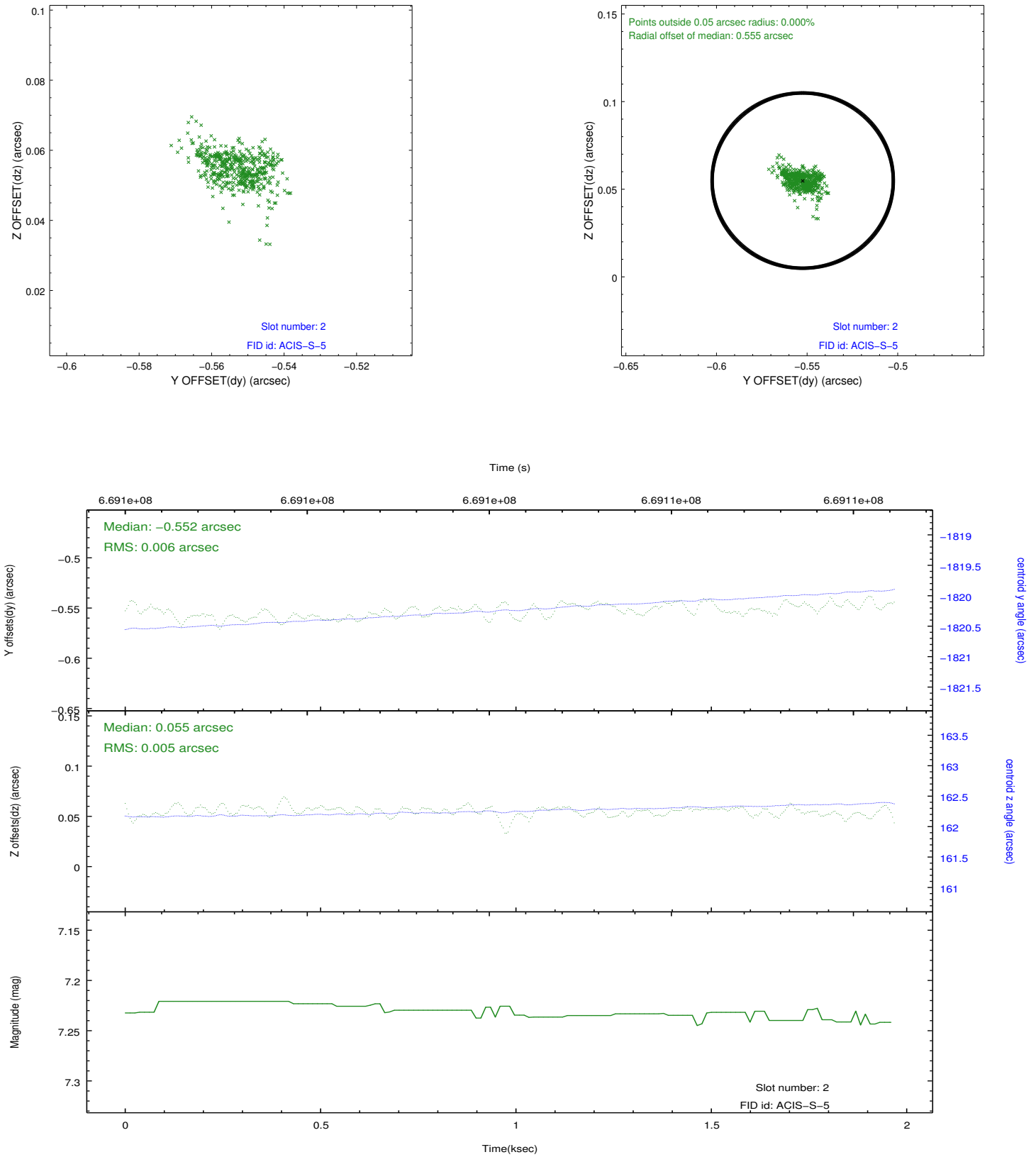
2.5.1 Slot 0



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)	2019.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.6105583591461

A.2 Comments