

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22017 - L2 Version 1
Chandra X-Ray Center

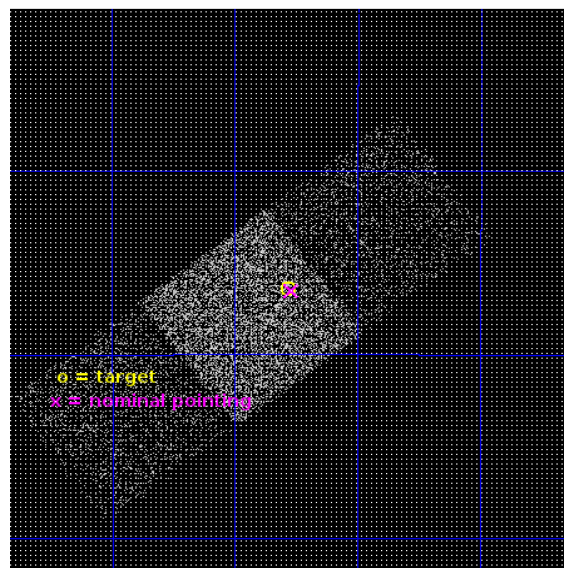
L2 Processing Date : Apr 16 2019

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1 Front

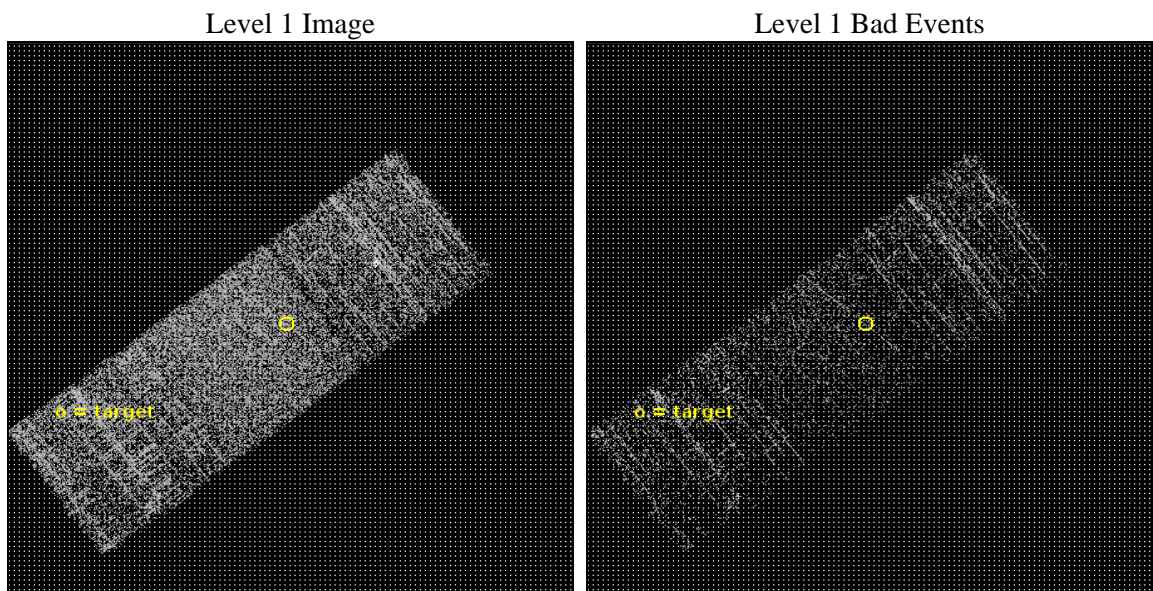
seq_num	703837	Sequence number
obs_id	22017	Observation id
title	Timely Assessment of the X-ray Flux of Newly Discovered Quadruply Lensed Quasars	Proposal title
observer	David Pooley	Principal investigator
object	WISE J2344-3056	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	356.070833	Observer's specified target RA [deg]
dec_targ	-30.940556	Observer's specified target Dec [deg]
ra_nom	356.06746035583	Nominal RA [deg]
dec_nom	-30.942118582861	Nominal Dec [deg]
roll_nom	142.6273334711	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1608.9000124931	Sum of GTIs [s]
livetime	1587.878549375	Livetime [s]
ontime6	1608.9000124931	Sum of GTIs [s]
ontime7	1608.9000124931	Sum of GTIs [s]
ontime8	1608.9000124931	Sum of GTIs [s]
l2events	10094	Number of level 2 events



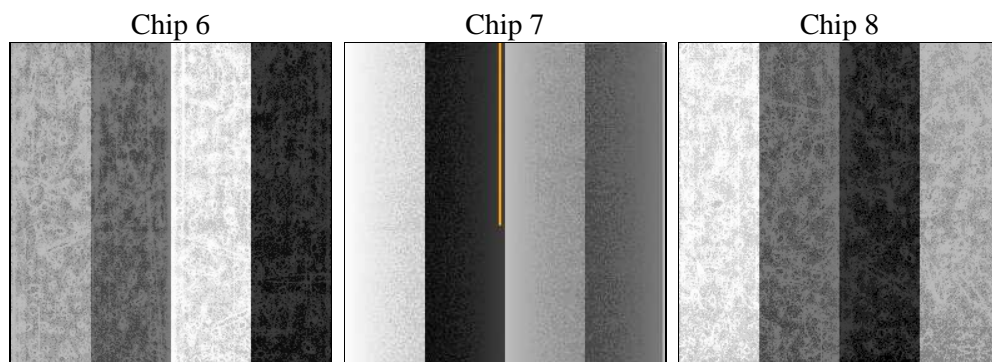
2 OBI

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	1608.9000124931	Sum of GTIs [s]
caldsver	4.8.2	 	ontime6	1608.9000124931	Sum of GTIs [s]
date	2019-04-16T12:40:58	Date and time of file creation	ontime7	1608.9000124931	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1608.9000124931	Sum of GTIs [s]
			l1events	46601	Number of level 1 events

2.1.4 Events

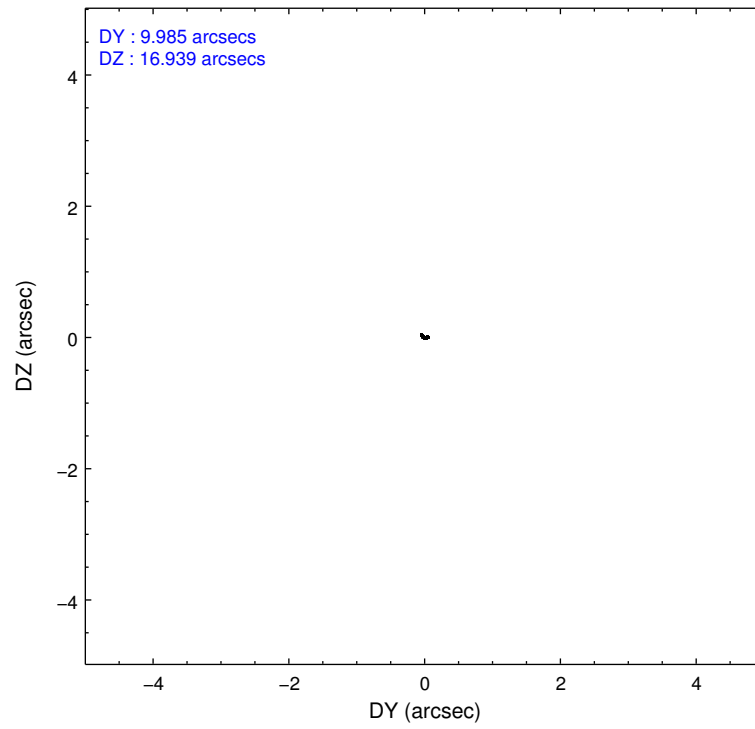
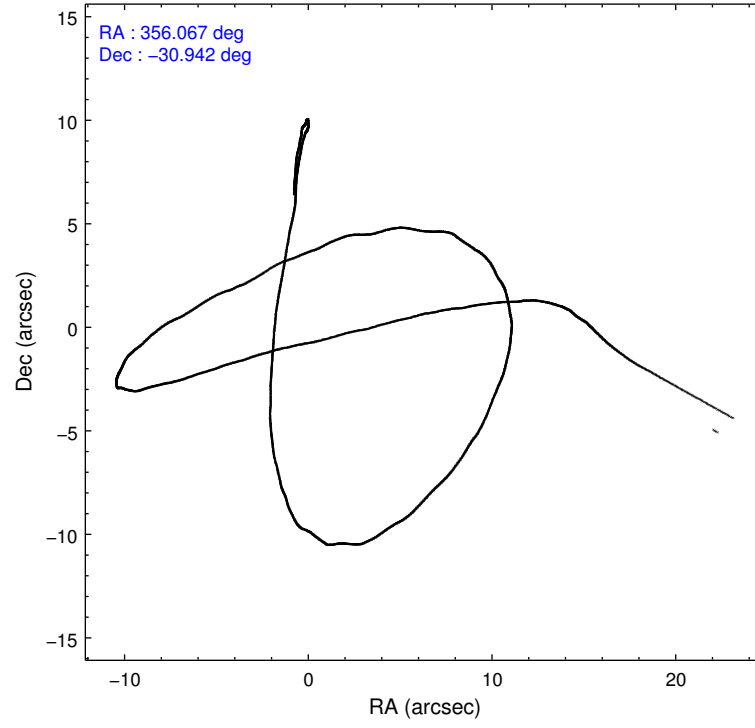
	ccd 6	ccd 7	ccd 8
level 1 events	14349	16537	15715
rejected events	12220	9364	11397
rejected %	85%	56%	72%

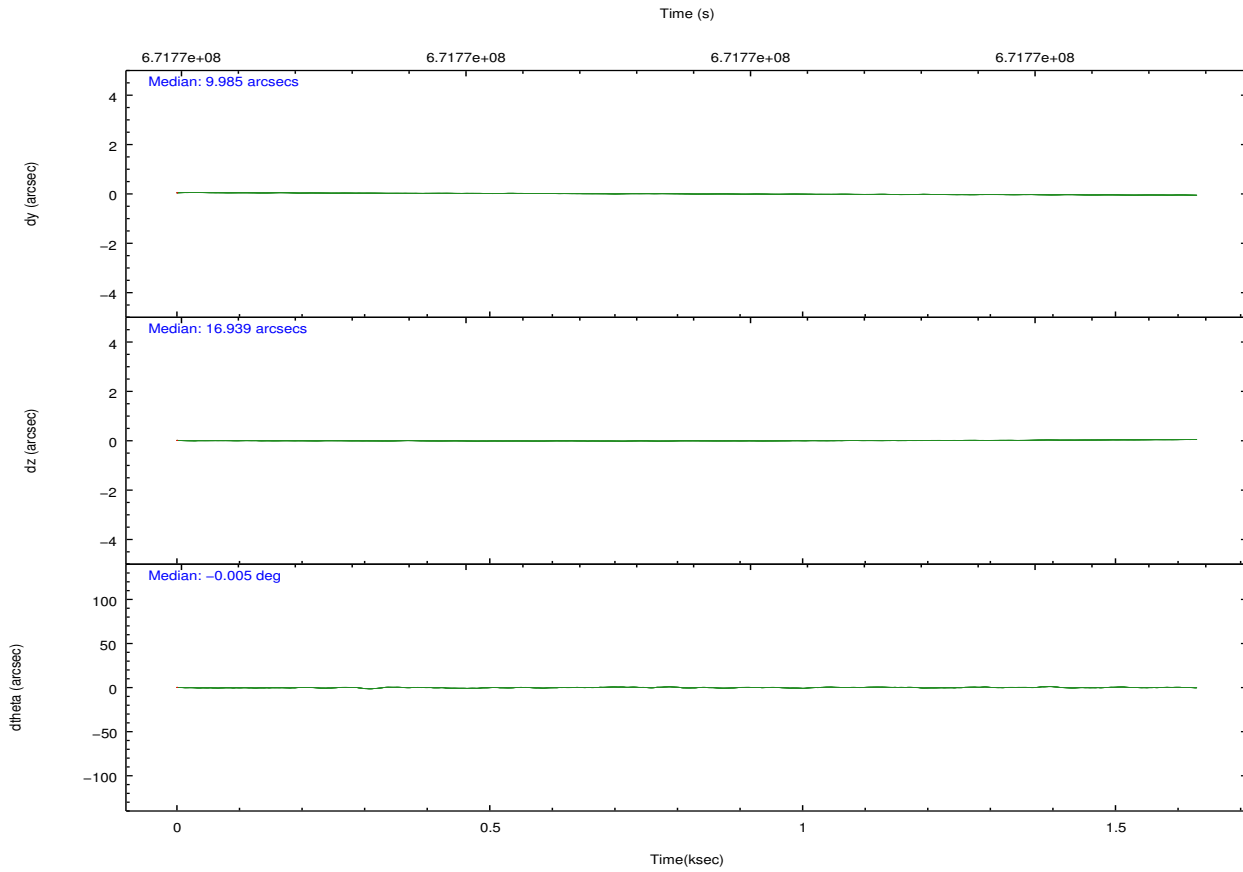
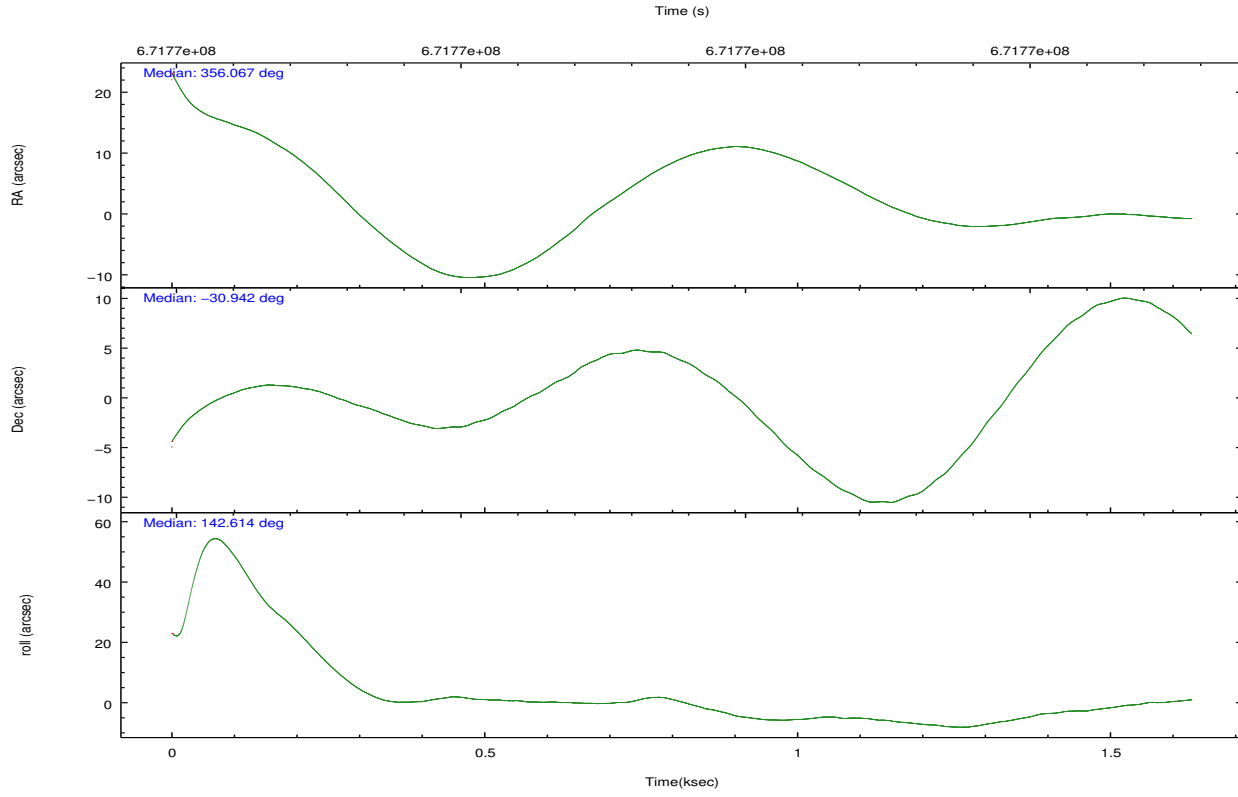
	ccd 6	ccd 7	ccd 8
grade 0 events	593	626	1324
	4%	3%	8%
grade 1 events	11	22	12
	0%	0%	0%
grade 2 events	867	1533	983
	6%	9%	6%
grade 3 events	131	519	481
	0%	3%	3%
grade 4 events	146	566	416
	1%	3%	2%
grade 5 events	541	1571	760
	3%	9%	4%
grade 6 events	402	3950	1125
	2%	23%	7%
grade 7 events	11658	7750	10614
	81%	46%	67%

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	356.099087	356.0674603558336	CCD I2 on	N	N
[deg] Pointing Dec	-30.945519	-30.94211858286094	CCD I3 on	N	N
[deg] Pointing Roll	142.487325	142.6273334711032	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O1	Y
[s] Observation start time (MET)	671773178.184000	671771877.9926	CCD S5 on	N	N
Observation start date	2019-04-16T03:38:29	2019-04-16T03:17:57	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	671774678.184000	671775442.43032	On-chip summing requested	N	N
Observation end date	2019-04-16T04:03:29	2019-04-16T04:17:22	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



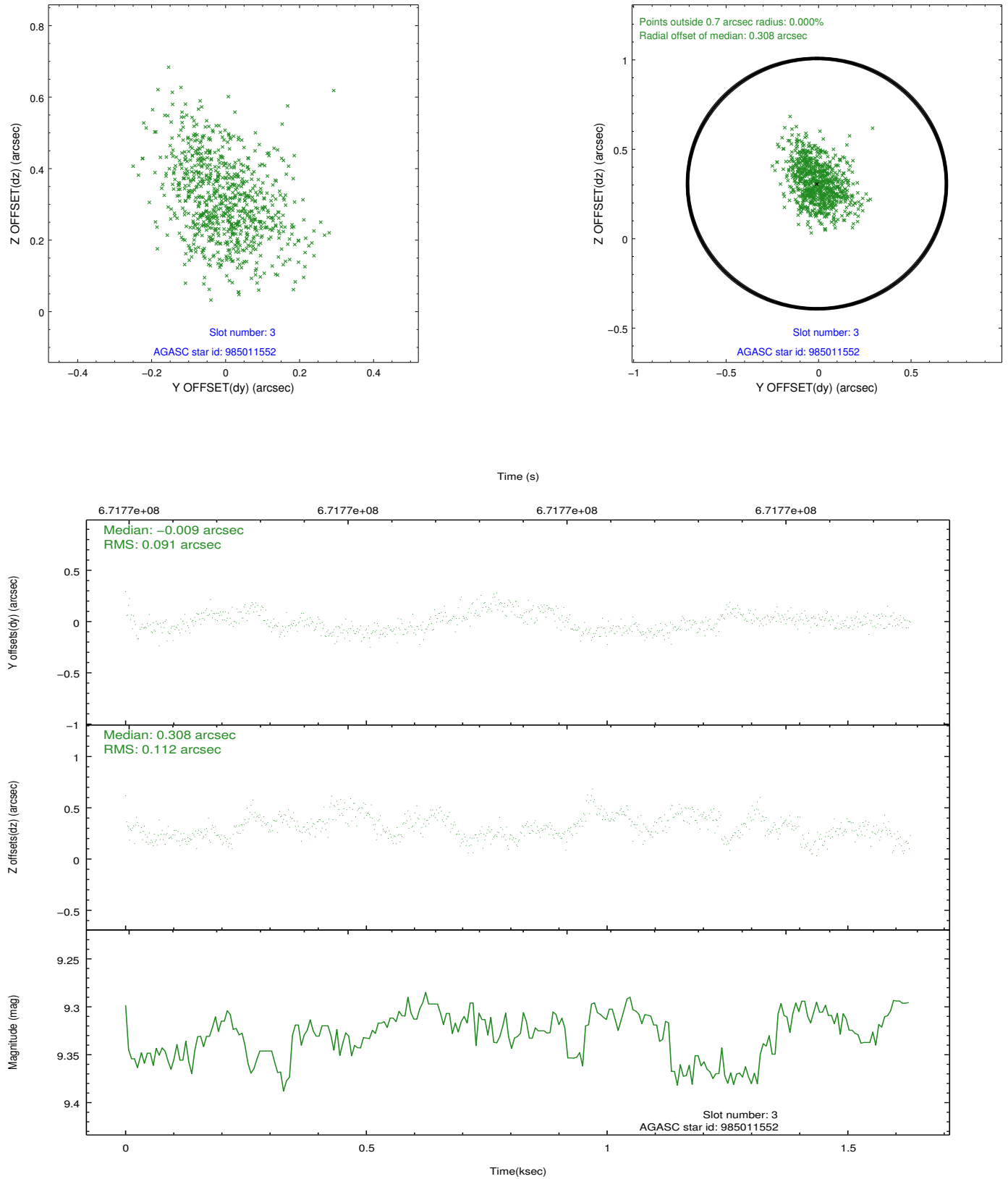


Slot Statistics

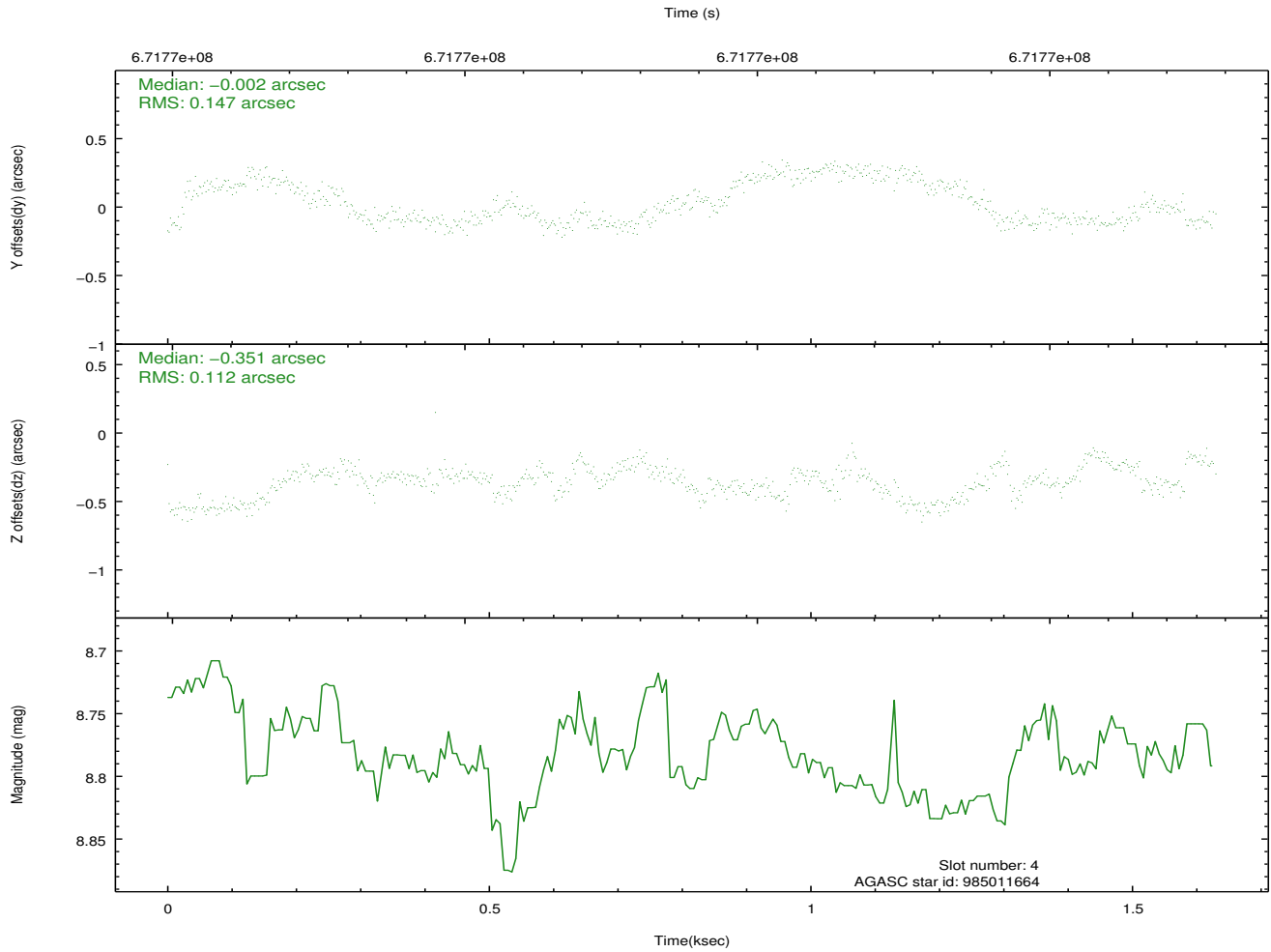
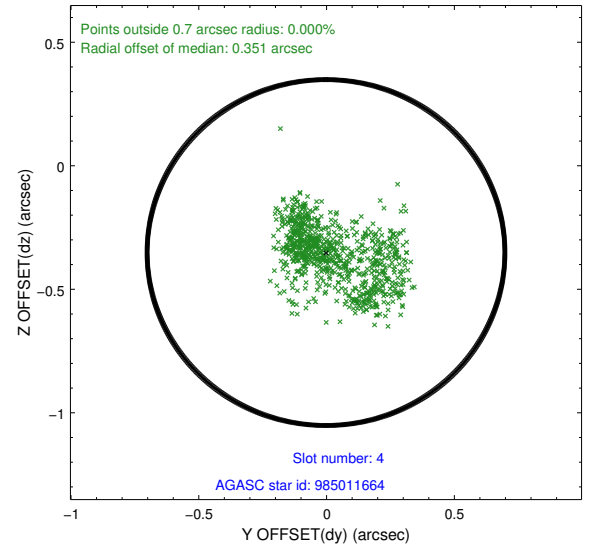
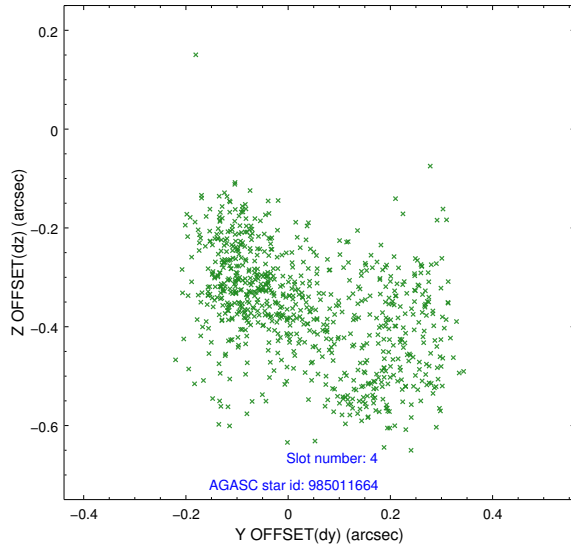
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.00	398	1.000	-0.266	-0.132	0.007	0.011	0.000000	0.000000	-763.04	-1738
1	FID		ACIS-S-4	7.13	398	1.000	0.638	0.164	0.006	0.012	0.000000	0.000000	2149.25	166
2	FID		ACIS-S-5	7.10	398	1.000	-0.402	-0.023	0.006	0.010	0.000000	0.000000	-1810.87	164
3	GUIDE	used	985011552	9.33	795	1.000	-0.009	0.308	0.152	0.261	356.388445	-30.514588	232.93	-1775
4	GUIDE	used	985011664	8.78	793	1.000	-0.002	-0.351	0.208	0.312	355.688121	-31.235189	366.75	1601
5	GUIDE	used	985012200	9.56	790	1.000	-0.038	-0.165	0.292	0.426	355.870709	-30.952658	543.18	452
6	GUIDE	used	985012472	9.30	793	1.000	-0.015	0.218	0.289	0.453	356.335646	-30.532993	324.03	-1621
7	GUIDE	used	985012968	9.38	792	1.000	0.072	0.052	0.234	0.366	355.948161	-30.372751	1627.64	-1350

2.4 Star Slots

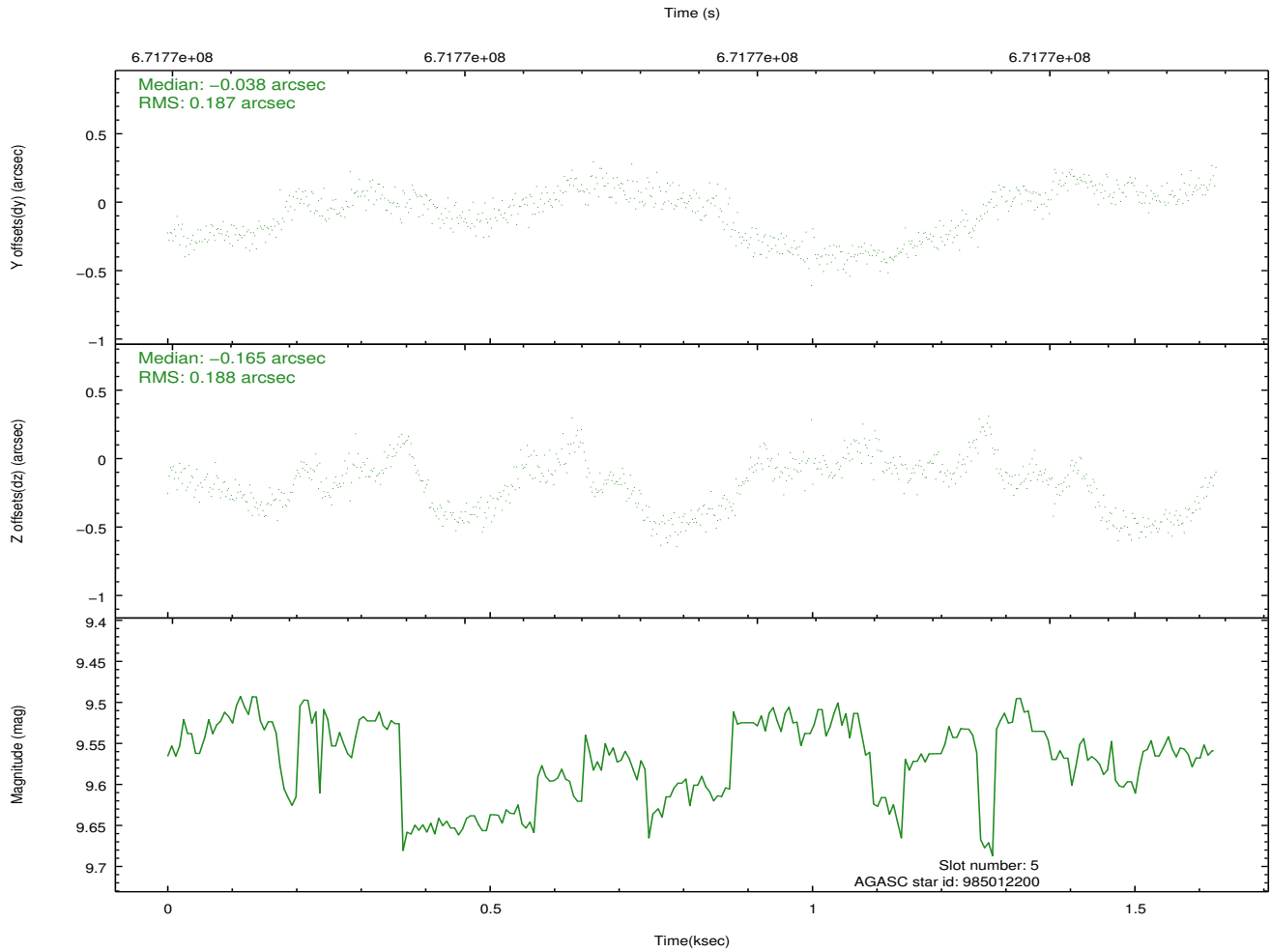
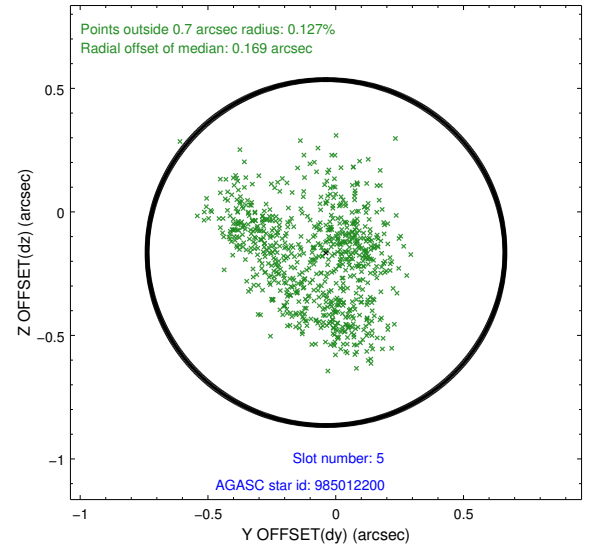
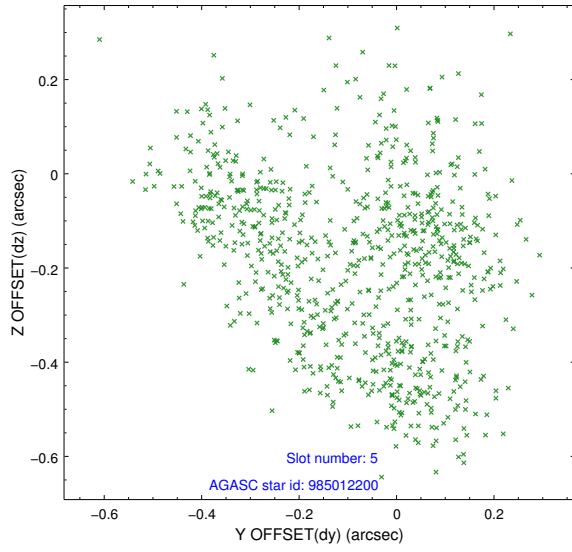
2.4.1 Slot 3



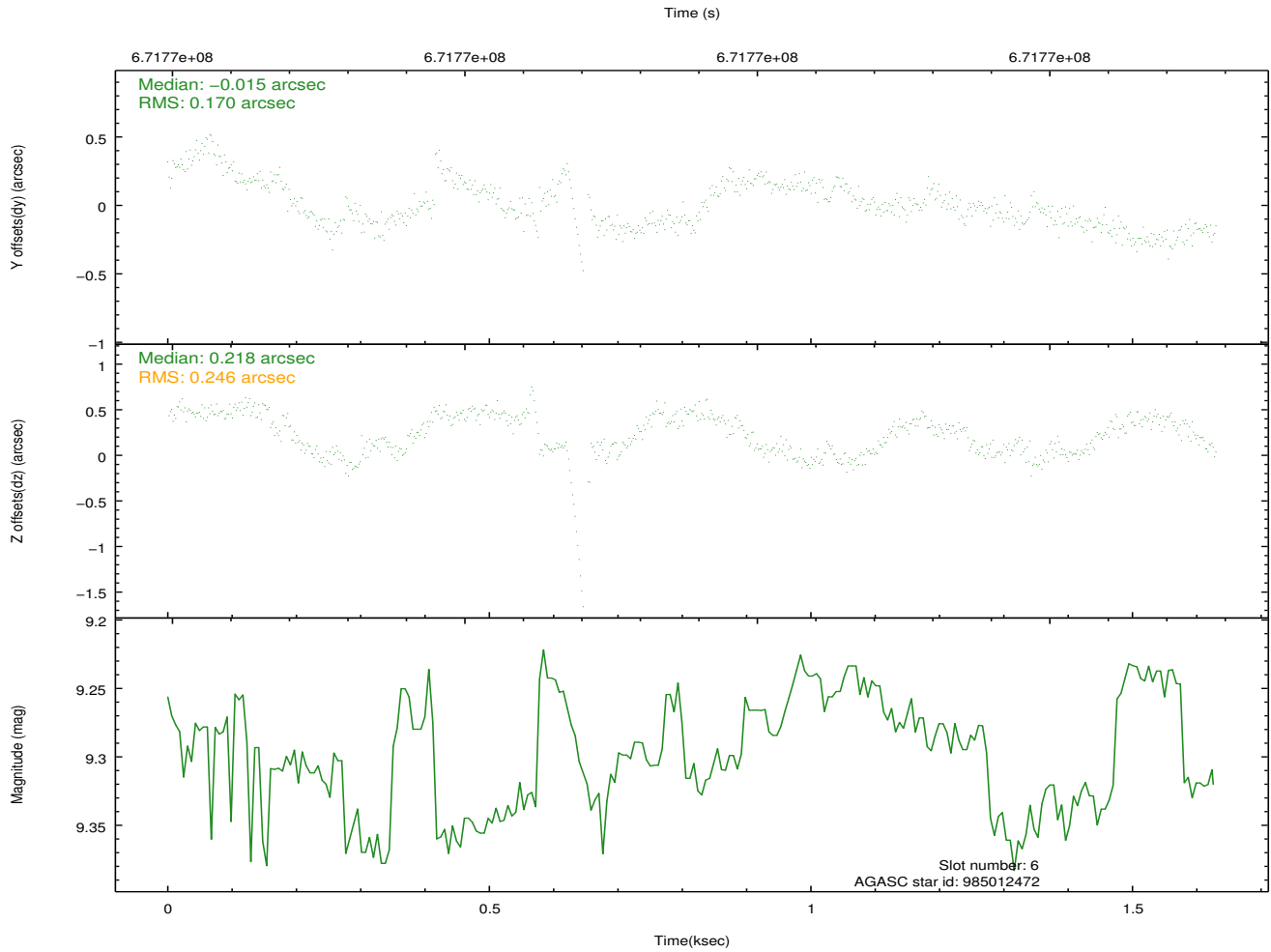
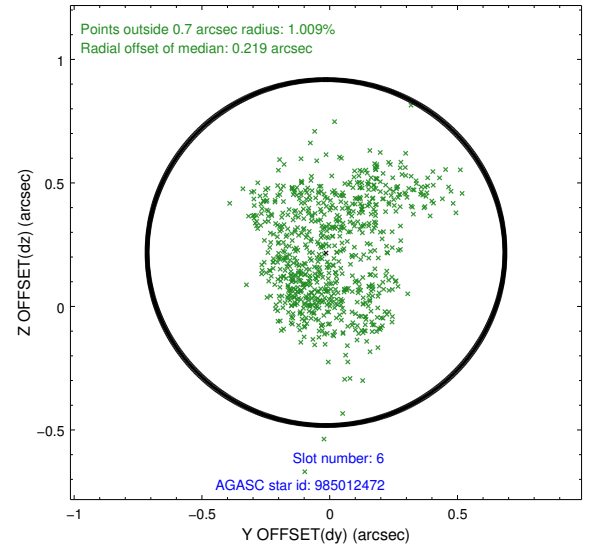
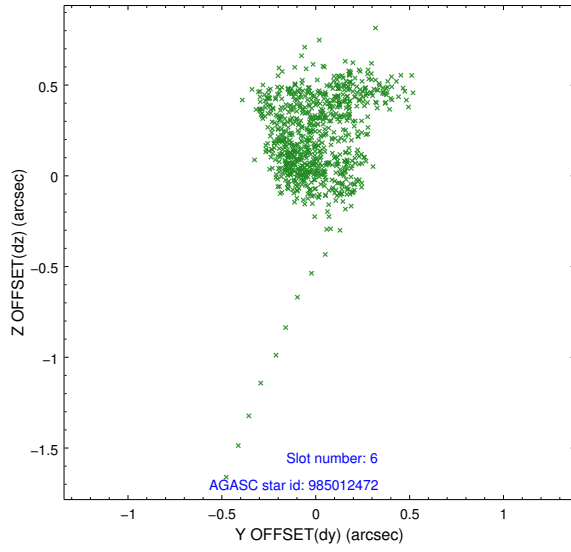
2.4.2 Slot 4



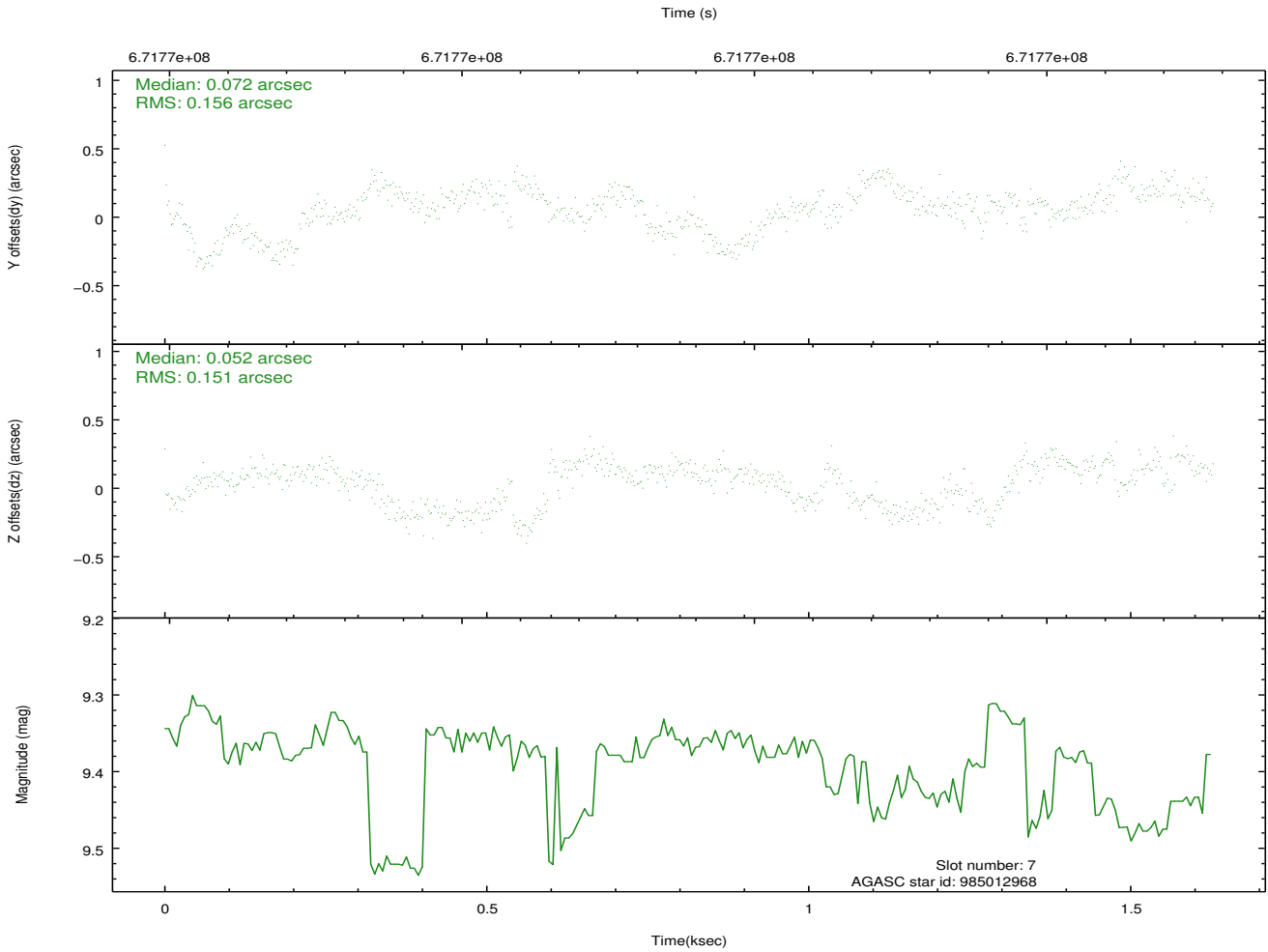
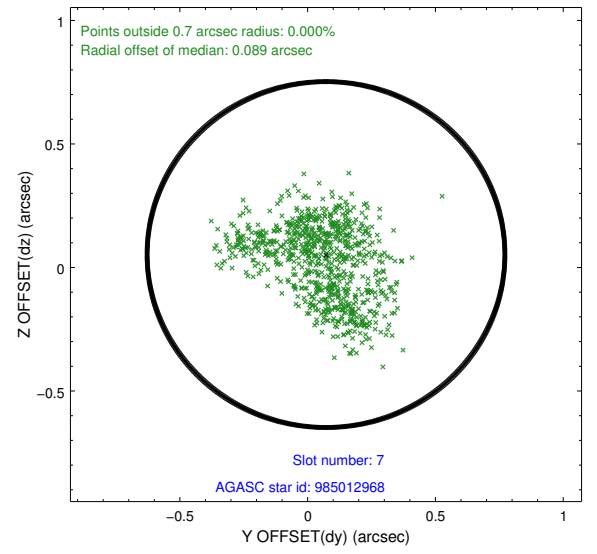
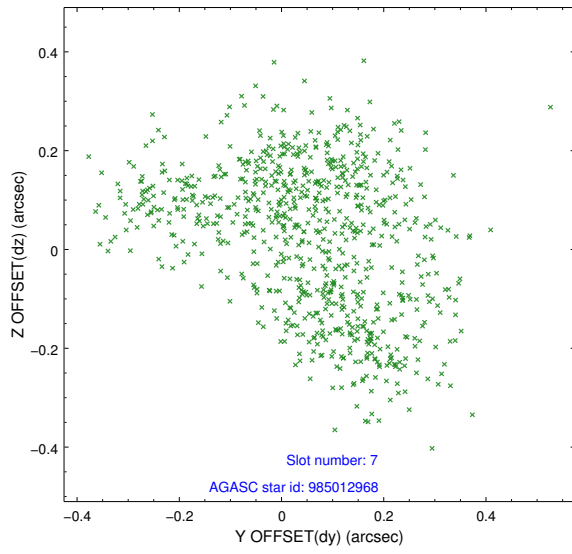
2.4.3 Slot 5



2.4.4 Slot 6

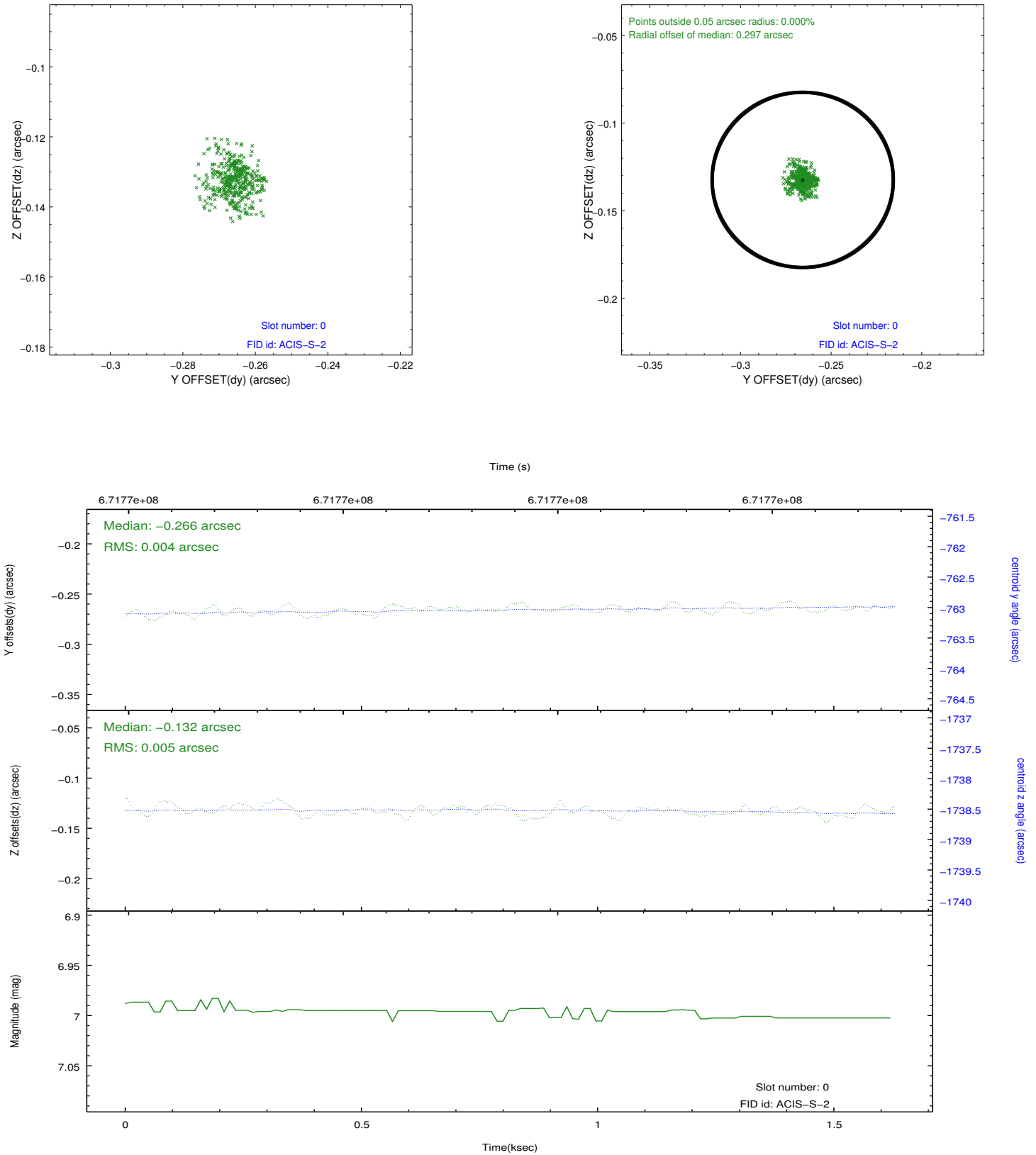


2.4.5 Slot 7

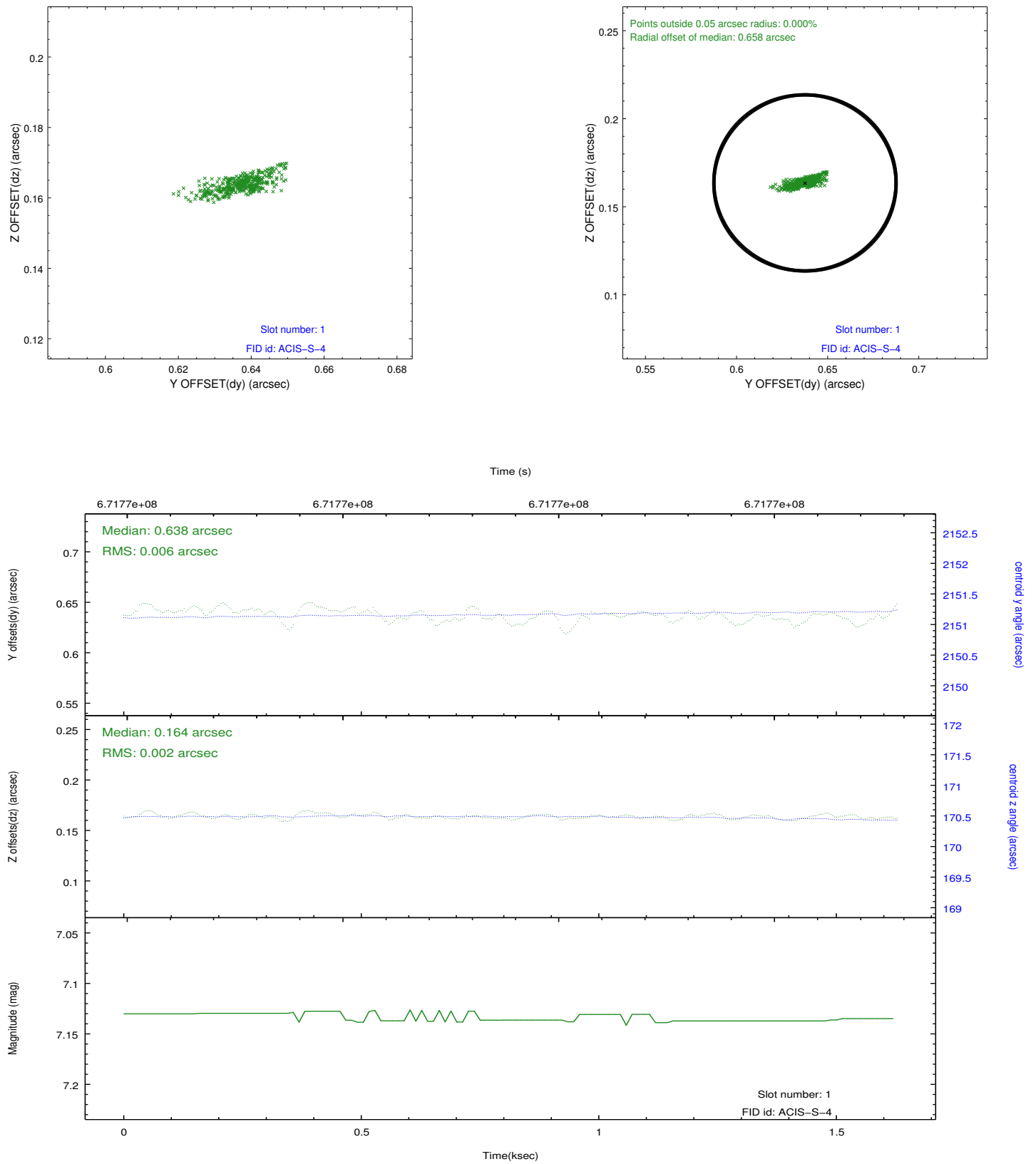


2.5 FID Slots

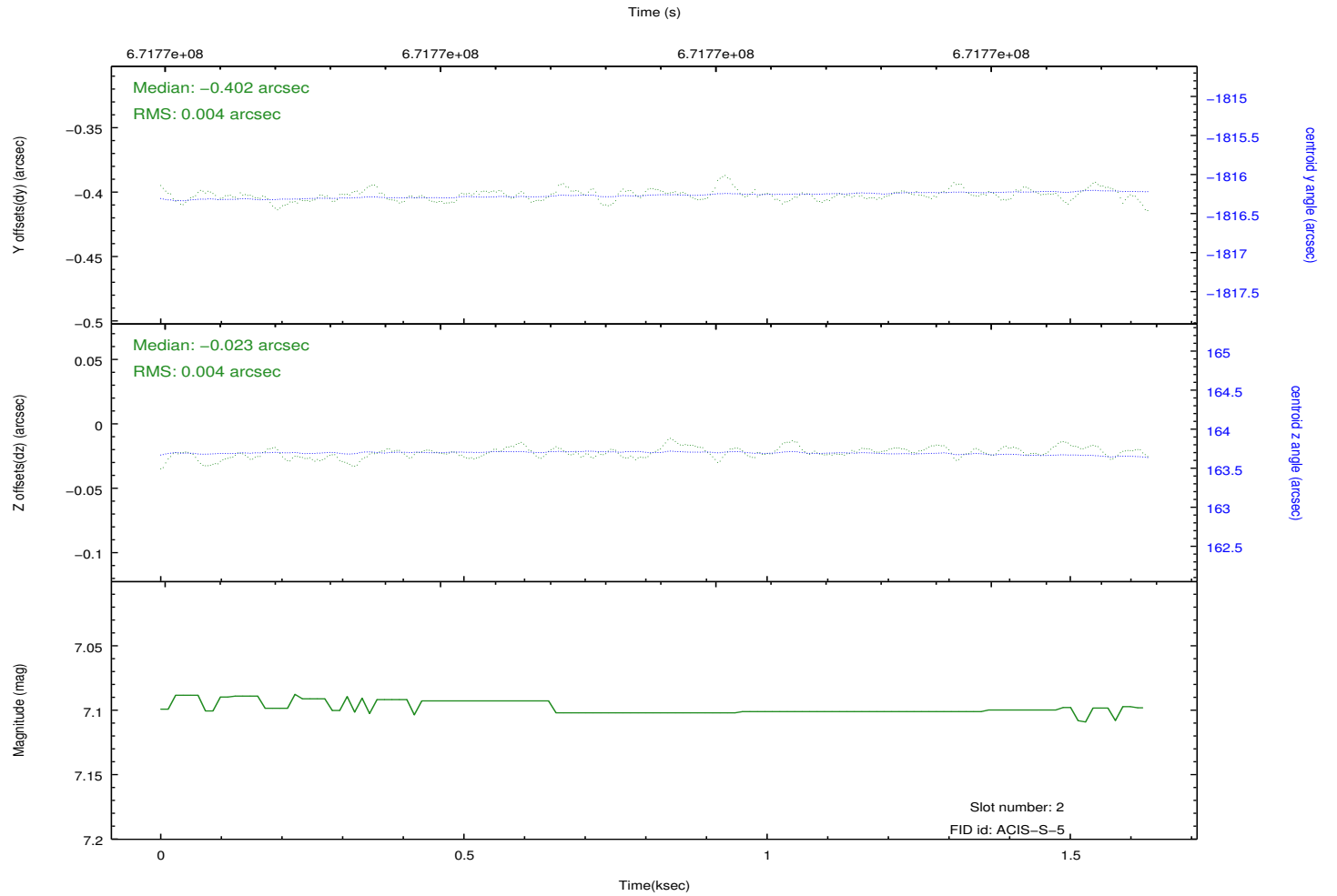
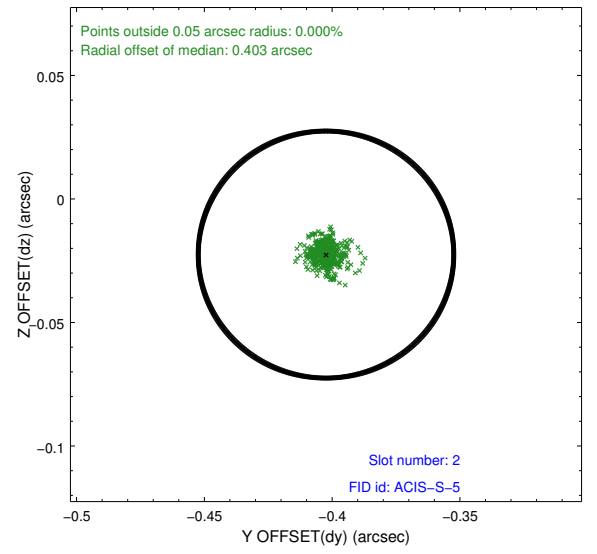
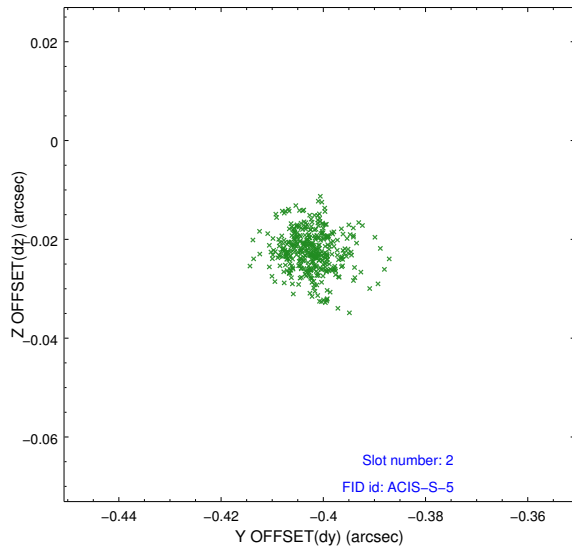
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2019.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.6089000124931

A.2 Comments