

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 21147 - L2 Version 1
Chandra X-Ray Center

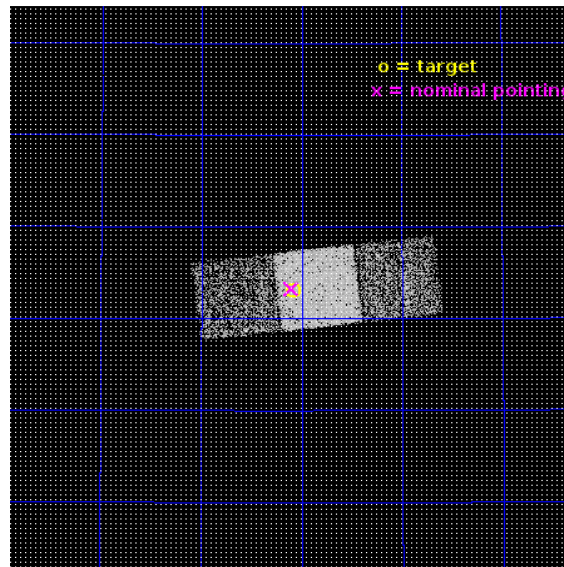
L2 Processing Date : Nov 11 2018

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1 Front

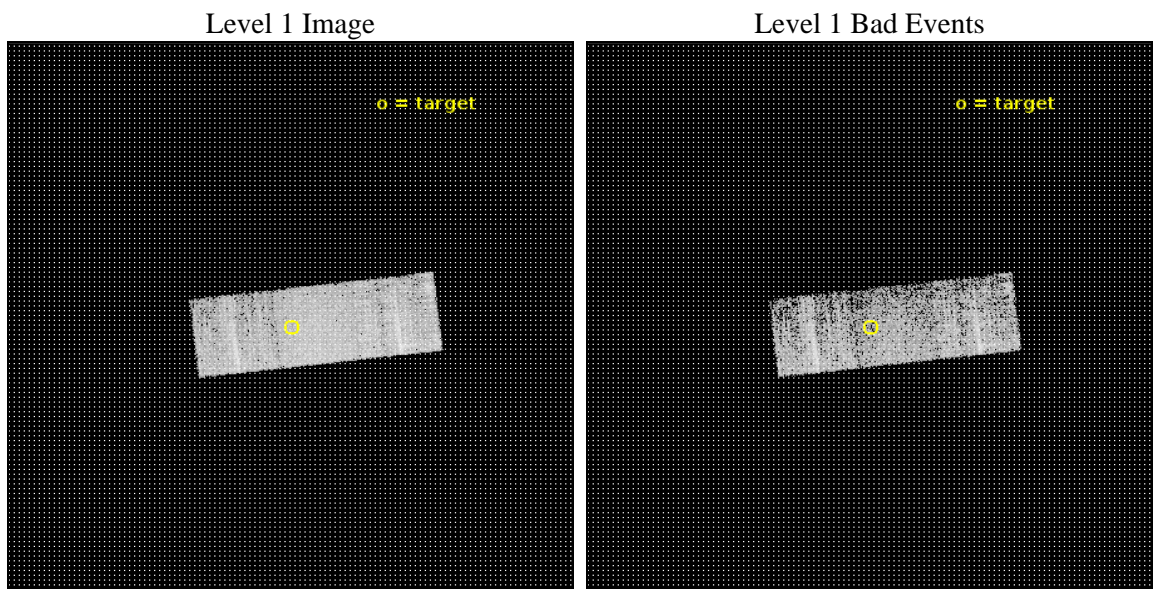
seq_num	703687	Sequence number
obs_id	21147	Observation id
title	A Chandra view of Eddington-limited accretion in DOGs	Proposal tit
observer	Dr. Gordon Garmire	Principal investigator
object	J1531+4533	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	232.771667	Observer's specified target RA [deg]
dec_targ	45.550944	Observer's specified target Dec [deg]
ra_nom	232.77537959597	Nominal RA [deg]
dec_nom	45.554271982217	Nominal Dec [deg]
roll_nom	353.36626516132	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3307.6982513666	Sum of GTIs [s]
livetime	3264.4807386205	Livetime [s]
ontime6	3307.6572114229	Sum of GTIs [s]
ontime7	3307.6982513666	Sum of GTIs [s]
ontime8	3307.61617136	Sum of GTIs [s]
l2events	18666	Number of level 2 events



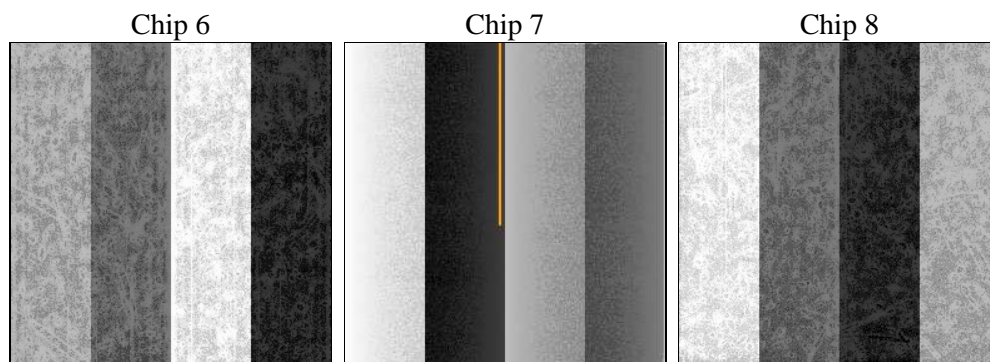
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3200.000000	[s] Scheduled observation exposure time
ascdsver	10.7	Processing system revision	ontime	3307.6982513666	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime6	3307.6572114229	Sum of GTIs [s]
date	2018-11-11T22:05:11	Date and time of file creation	ontime7	3307.6982513666	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3307.61617136	Sum of GTIs [s]
			l1events	89375	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	25989	31385	32001
rejected events	23173	17785	23710
rejected %	89%	56%	74%

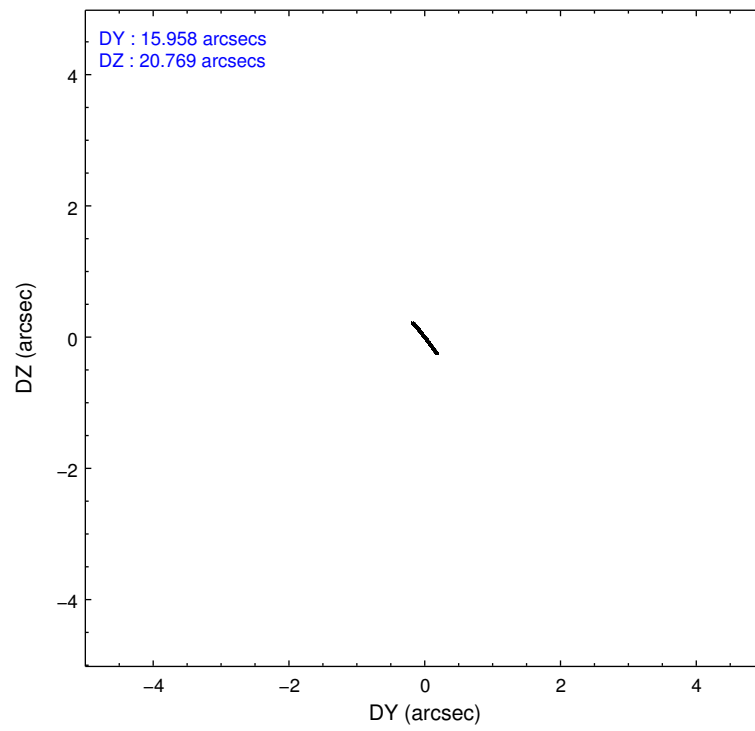
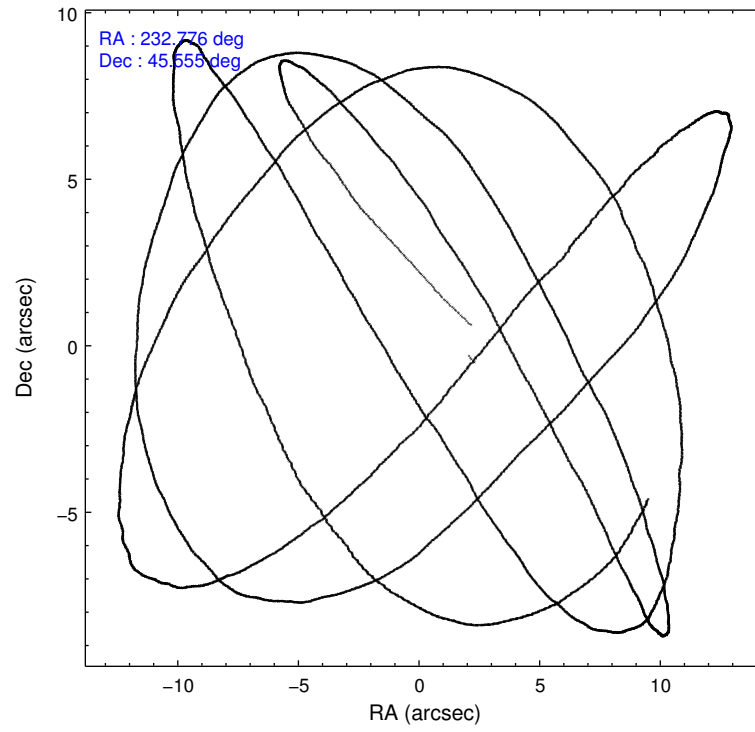
	ccd 6	ccd 7	ccd 8
grade 0 events	835	1149	2270
	3%	3%	7%
grade 1 events	10	53	28
	0%	0%	0%
grade 2 events	783	2831	2169
	3%	9%	6%
grade 3 events	222	1041	742
	0%	3%	2%
grade 4 events	226	1026	707
	0%	3%	2%
grade 5 events	1029	3090	1601
	3%	9%	5%
grade 6 events	757	7588	2410
	2%	24%	7%
grade 7 events	22127	14607	22074
	85%	46%	68%

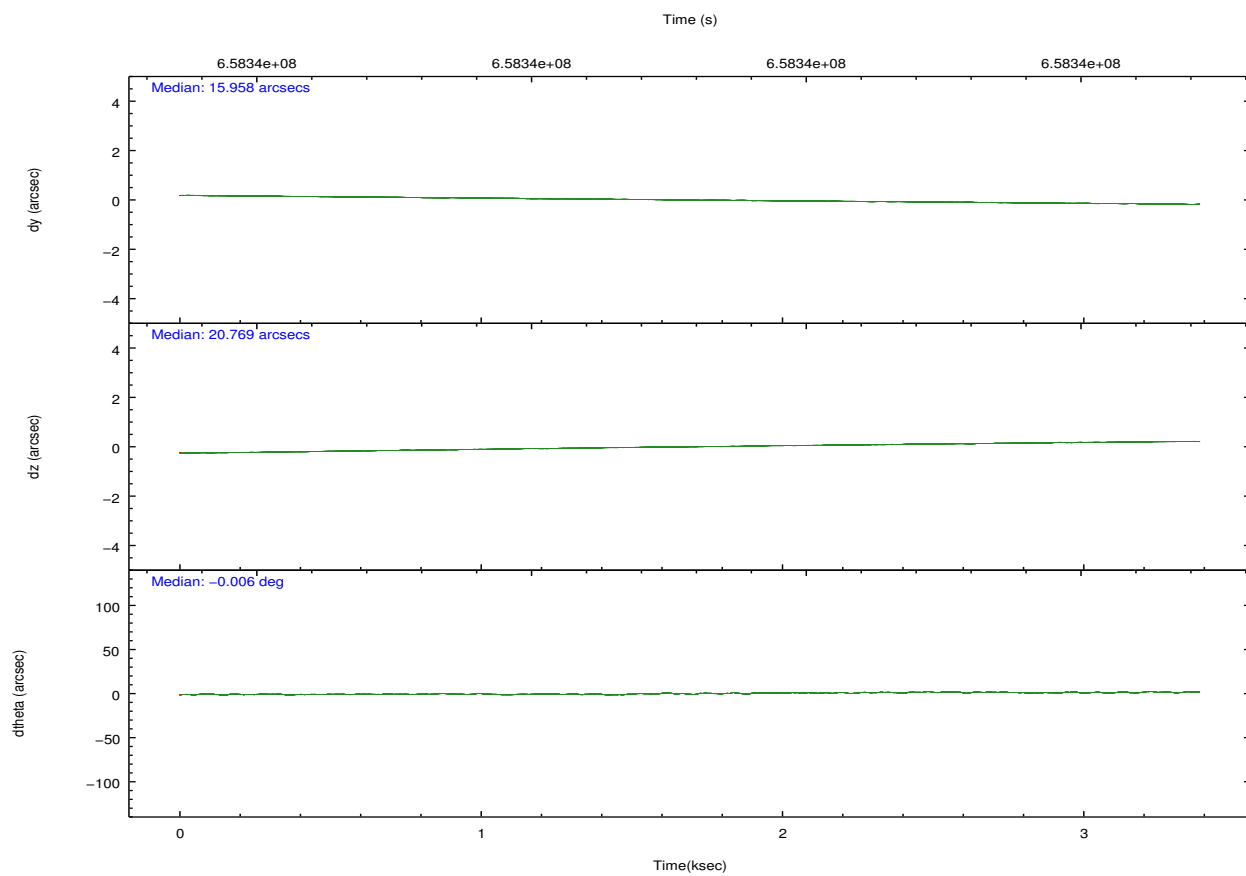
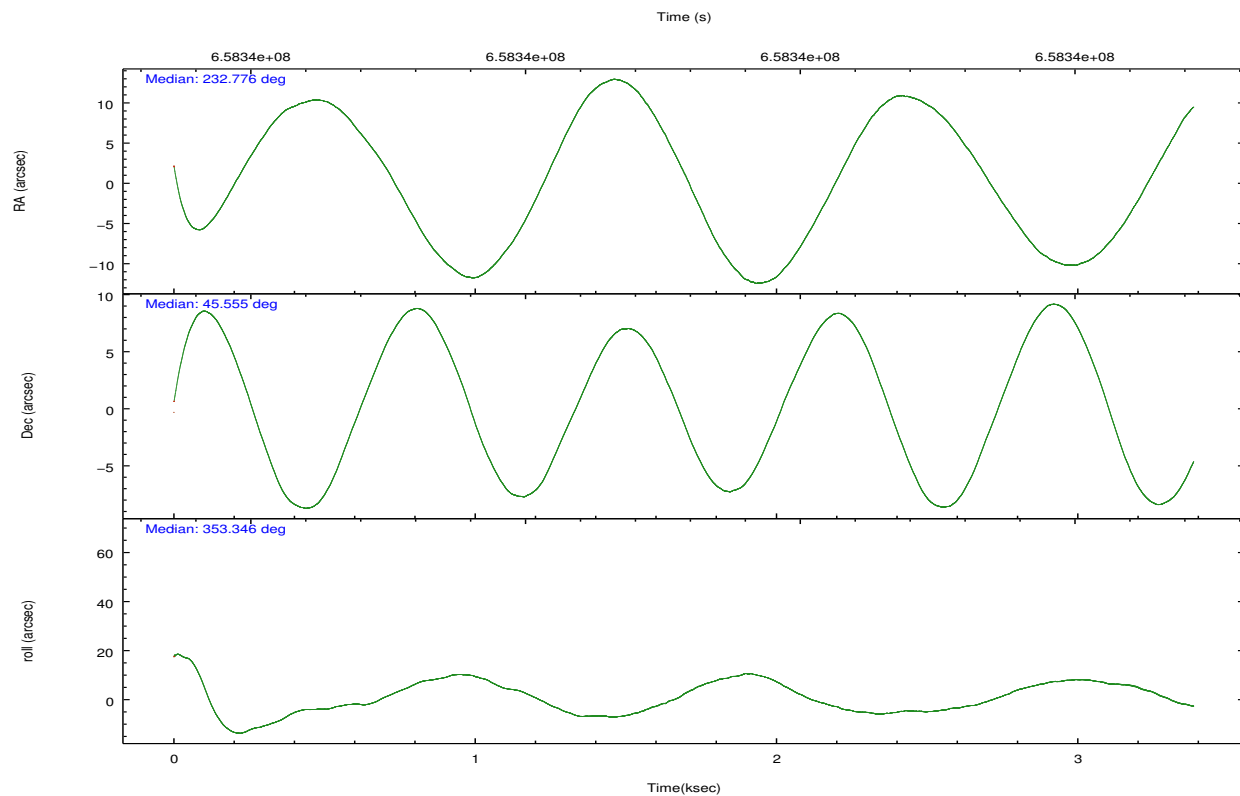
2.2 Compared Parameters

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	232.739608	232.7753795959711
[deg] Pointing Dec	45.543087	45.55427198221718
[deg] Pointing Roll	353.235082	353.3662651613209
[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)	658335045.184000	658333901.69013
Observation start date	2018-11-11T14:49:36	2018-11-11T14:31:41
[s] Observation end time (MET)	658338245.184000	658338989.7904299
Observation end date	2018-11-11T15:42:56	2018-11-11T15:56:29
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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



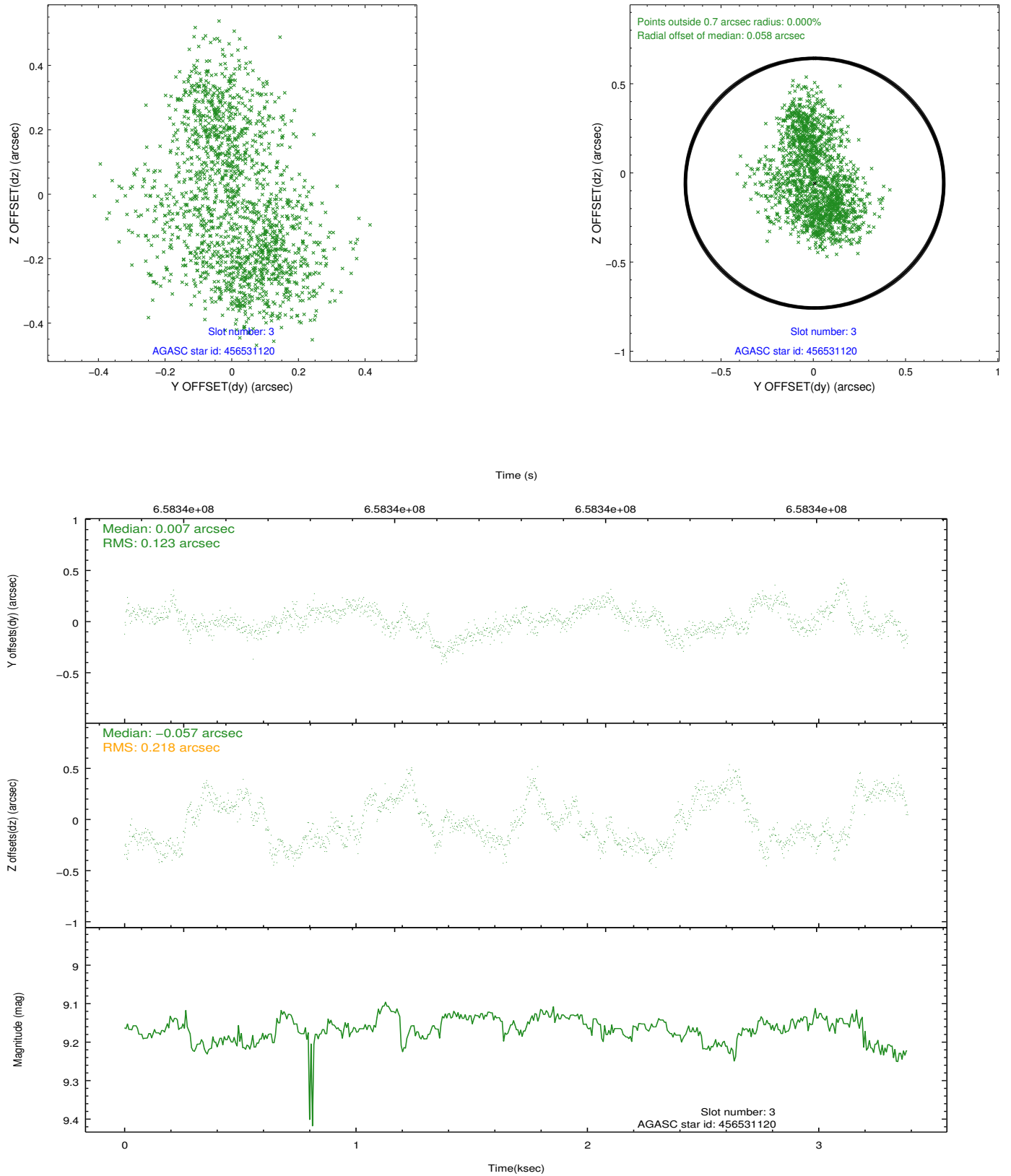


Slot Statistics

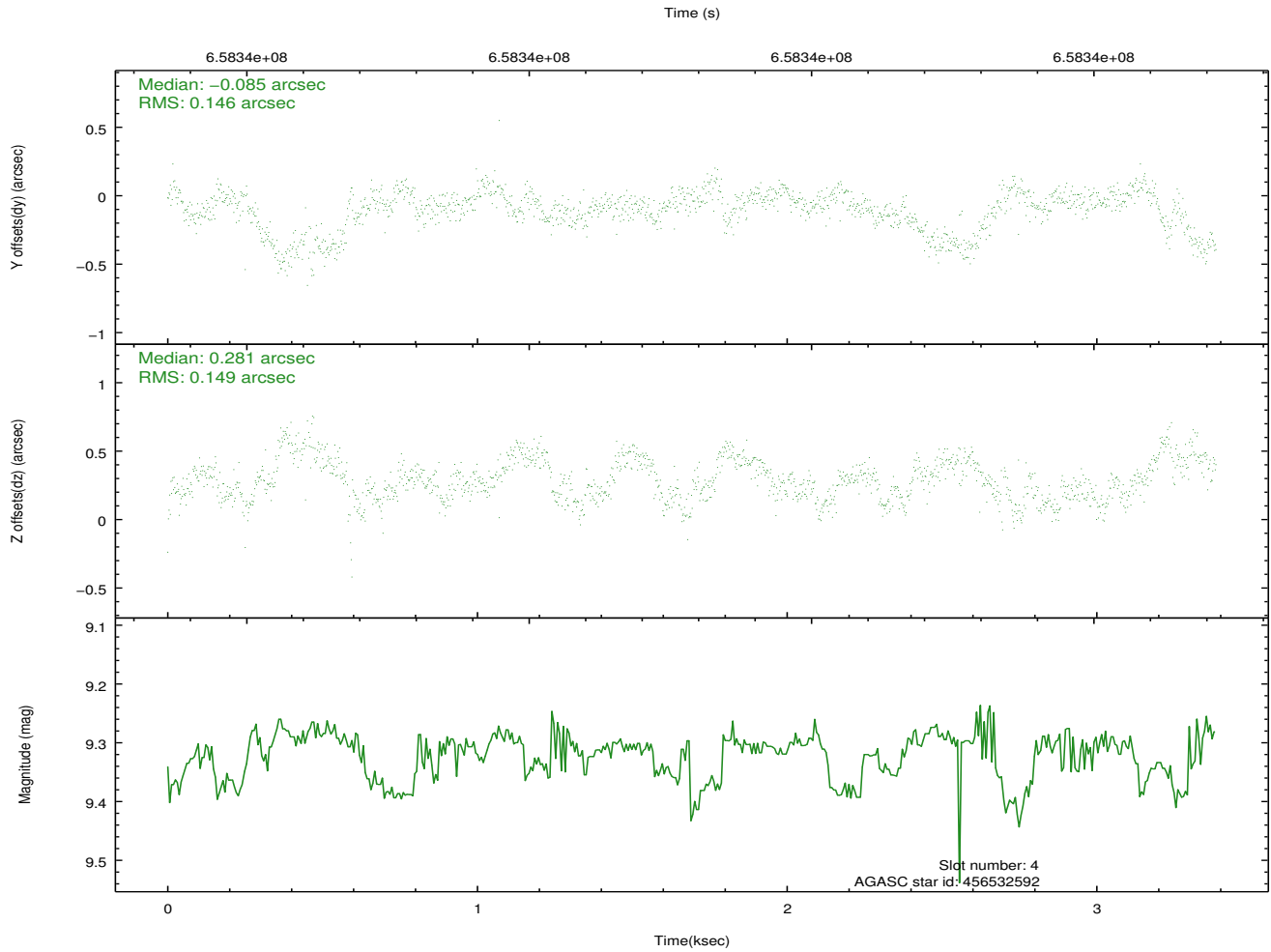
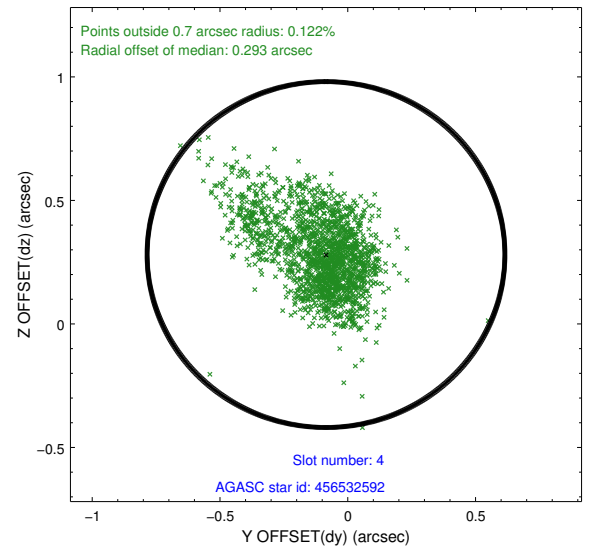
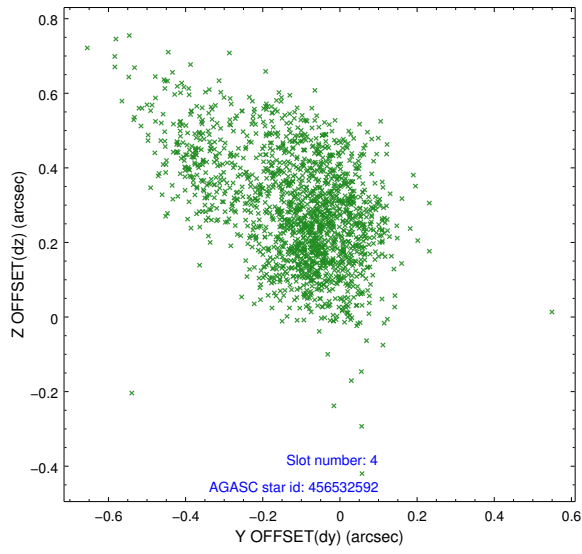
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.14	826	1.000	-0.387	-0.250	0.011	0.015	0.000000	0.000000	-769.27	-1742
1	FID		ACIS-S-4	7.27	826	1.000	0.865	0.253	0.009	0.015	0.000000	0.000000	2144.32	164
2	FID		ACIS-S-5	7.24	825	1.000	-0.509	0.005	0.009	0.016	0.000000	0.000000	-1819.91	160
3	GUIDE	used	456531120	9.17	1651	1.000	0.007	-0.057	0.271	0.411	233.191168	45.759745	1034.07	910
4	GUIDE	used	456532592	9.32	1645	1.000	-0.085	0.281	0.206	0.379	232.965498	45.636609	524.56	403
5	GUIDE	used	456534968	9.33	1651	1.000	0.031	-0.291	0.212	0.320	233.360115	45.942395	1371.89	1615
6	GUIDE	used	456534984	8.58	1652	1.000	-0.019	-0.364	0.110	0.175	233.316319	46.092970	1195.50	2140
7	GUIDE	used	400834552	9.68	1644	1.000	0.073	0.412	0.311	0.534	233.174914	44.820135	1411.64	-2449

2.4 Star Slots

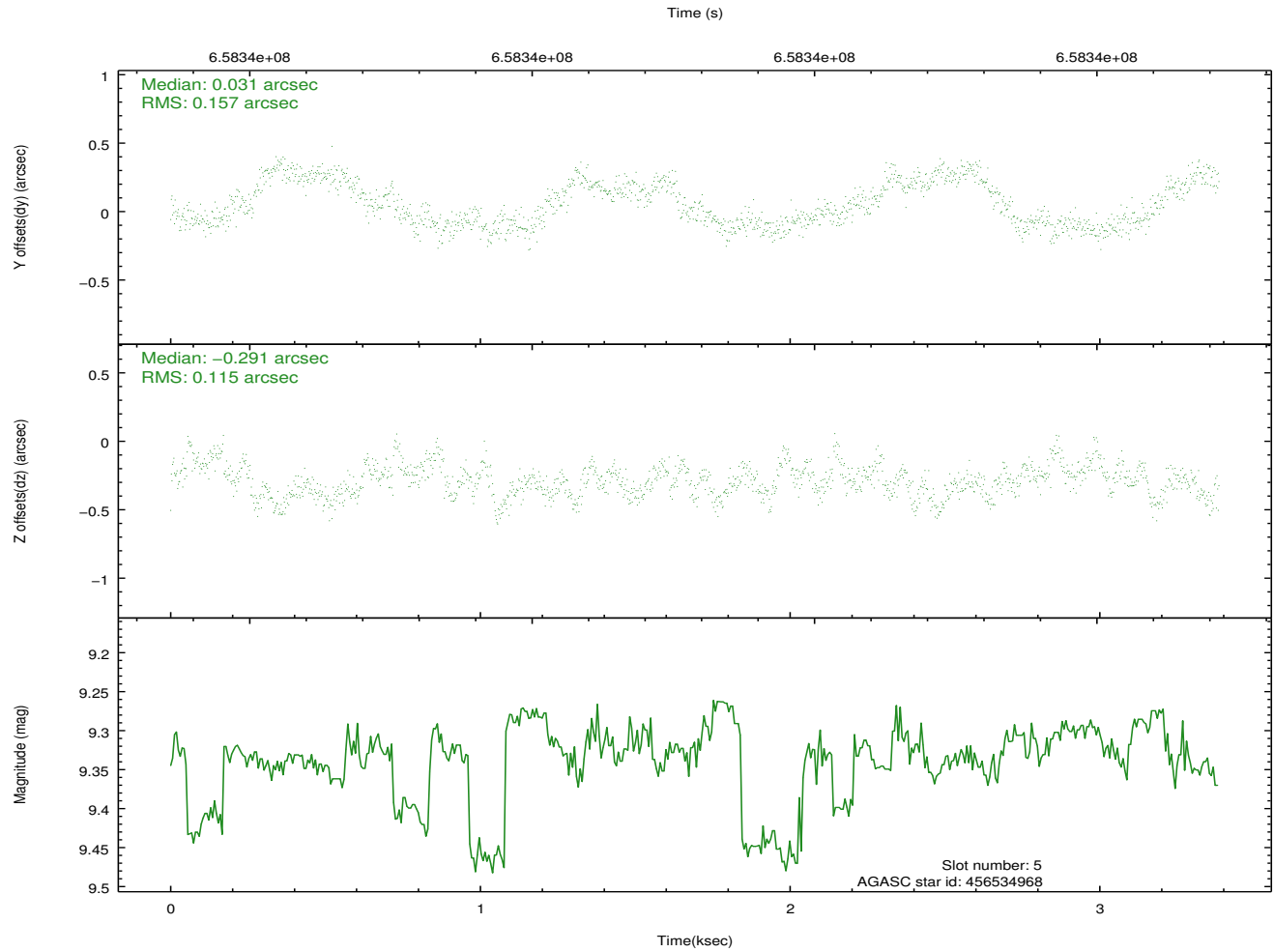
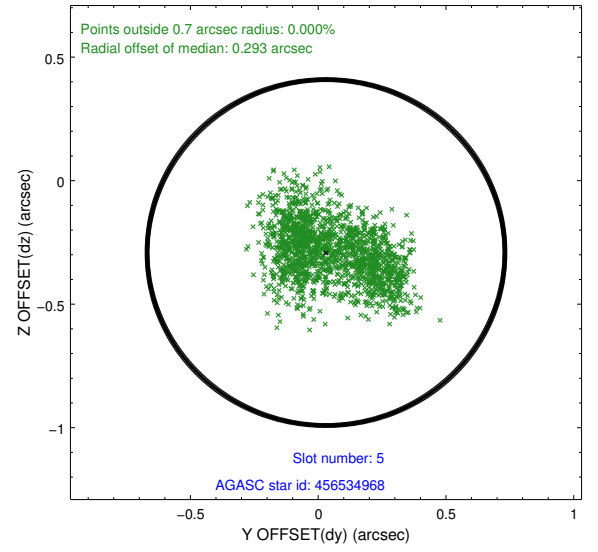
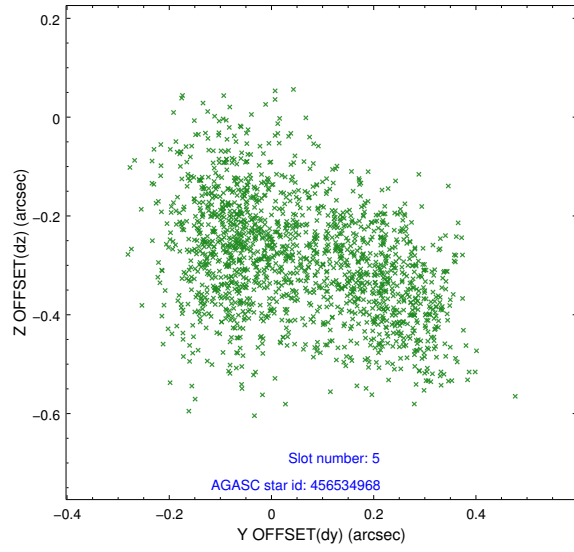
2.4.1 Slot 3



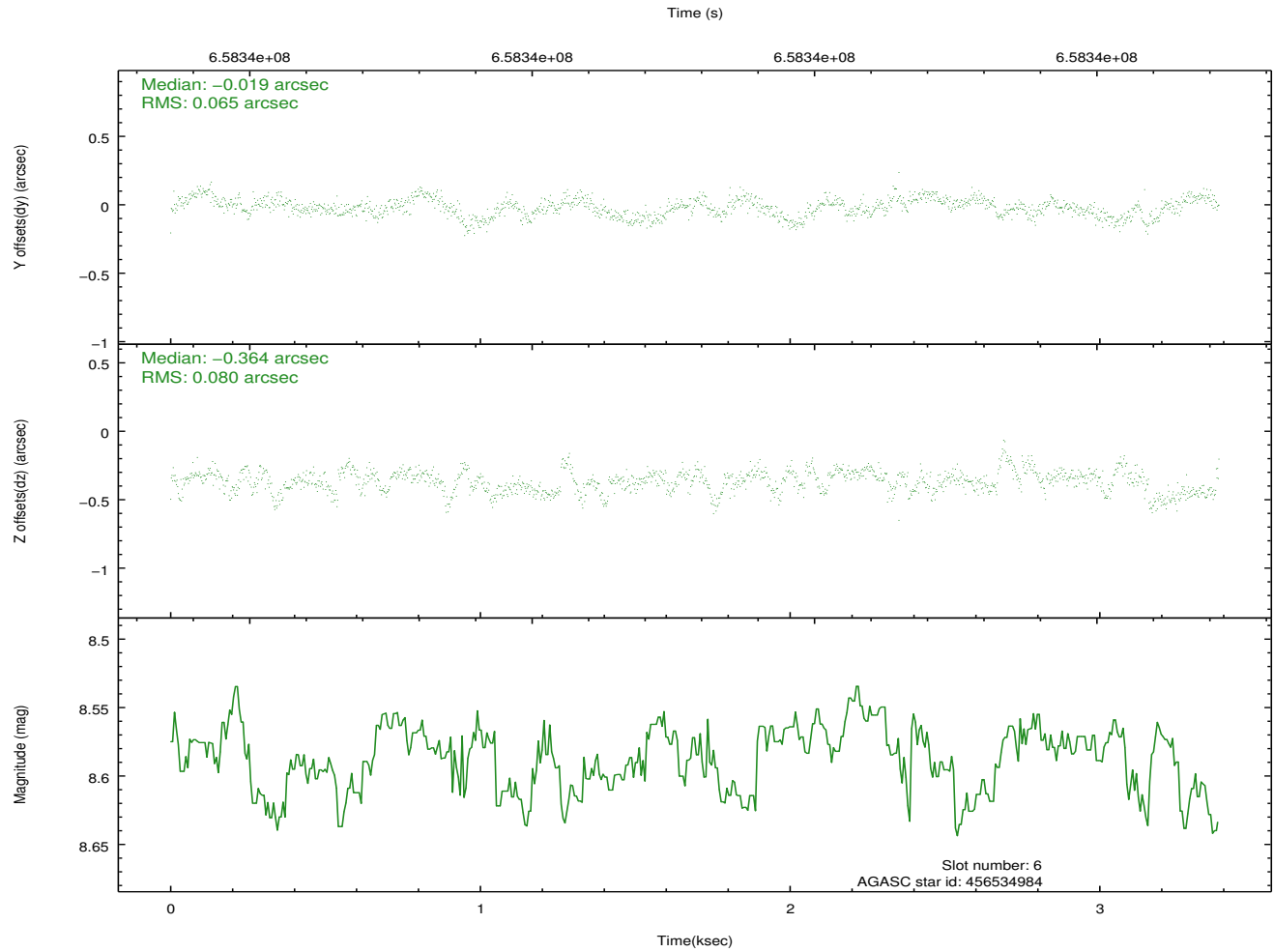
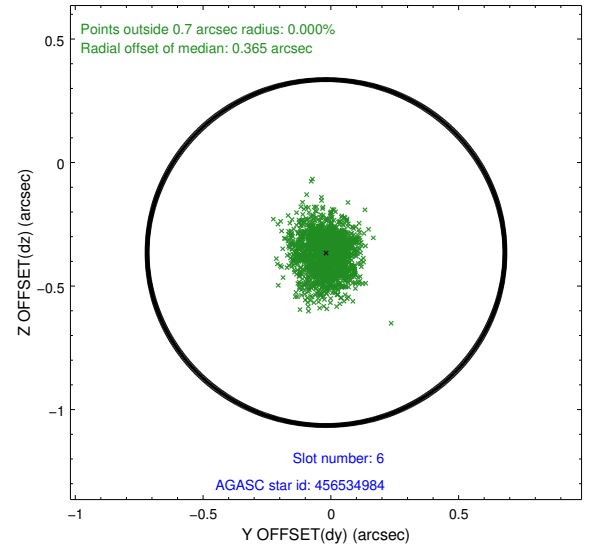
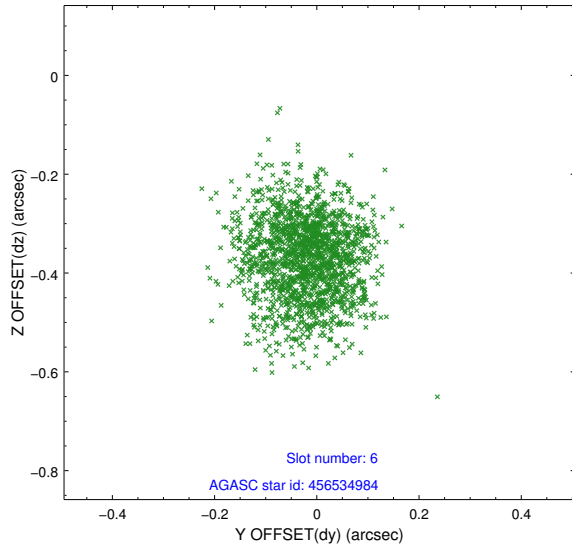
2.4.2 Slot 4



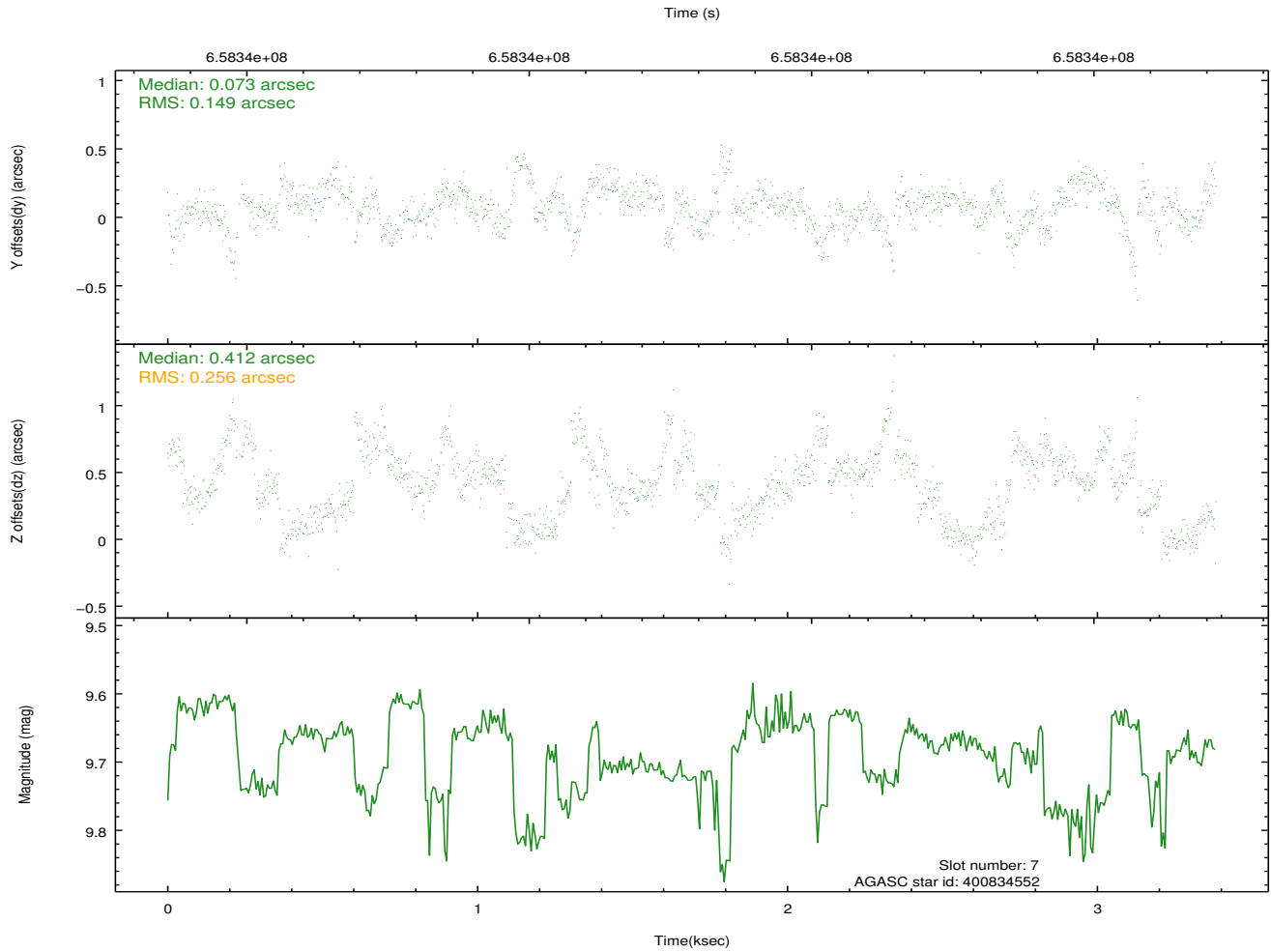
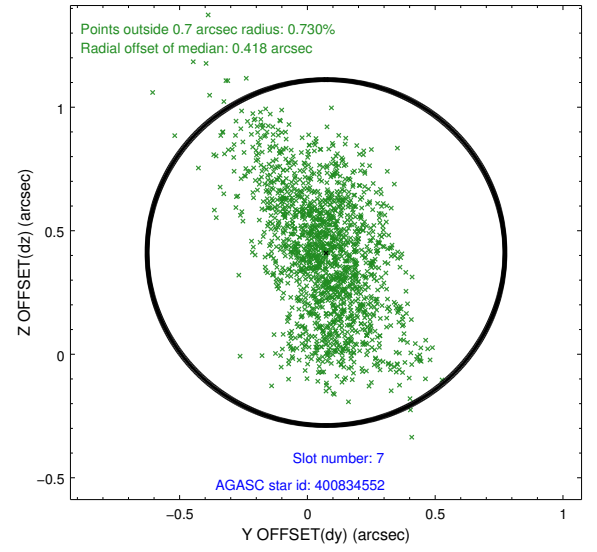
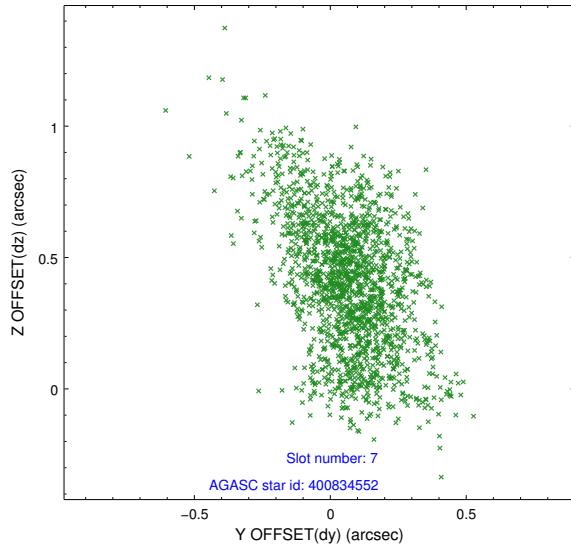
2.4.3 Slot 5



2.4.4 Slot 6

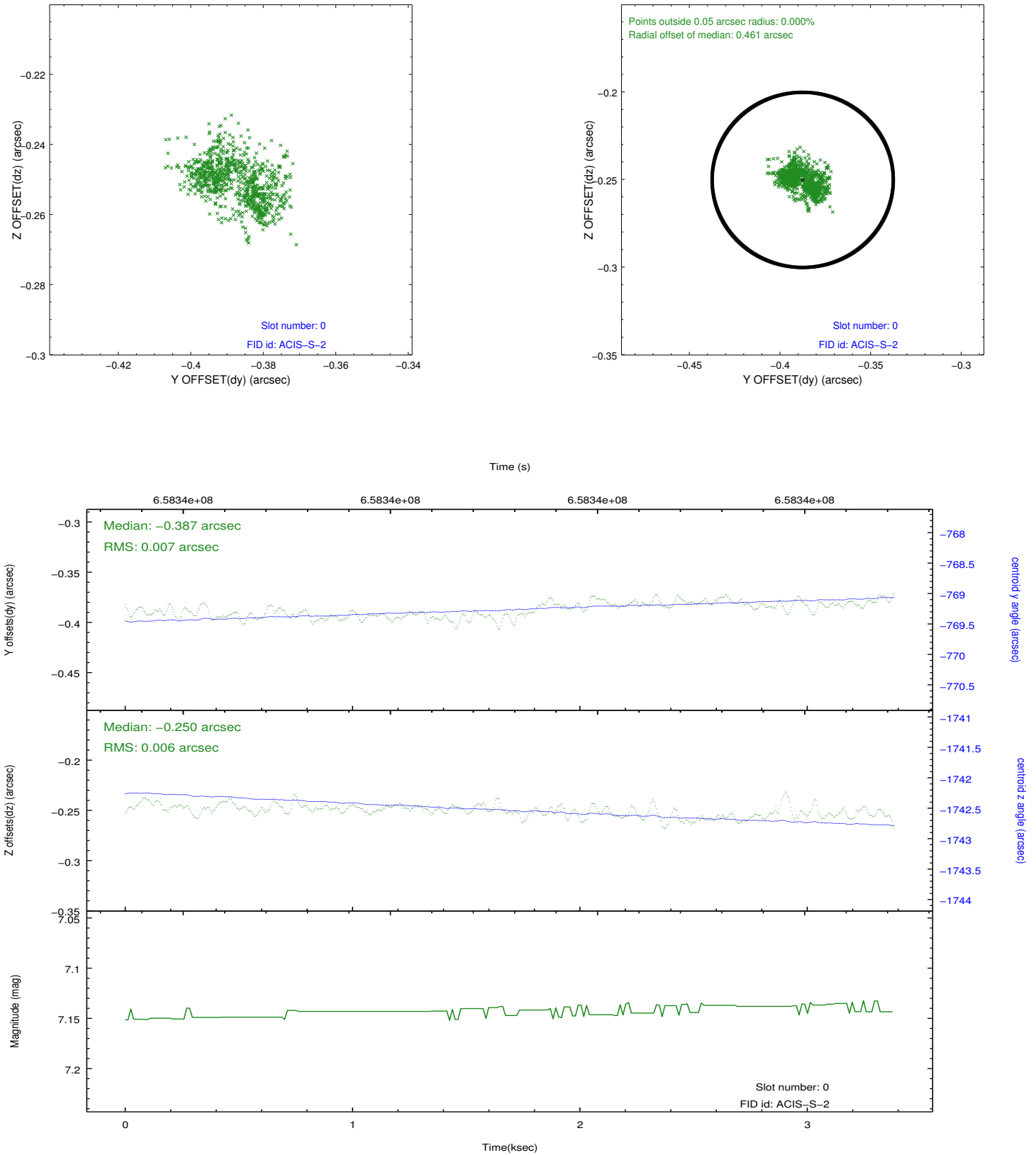


2.4.5 Slot 7

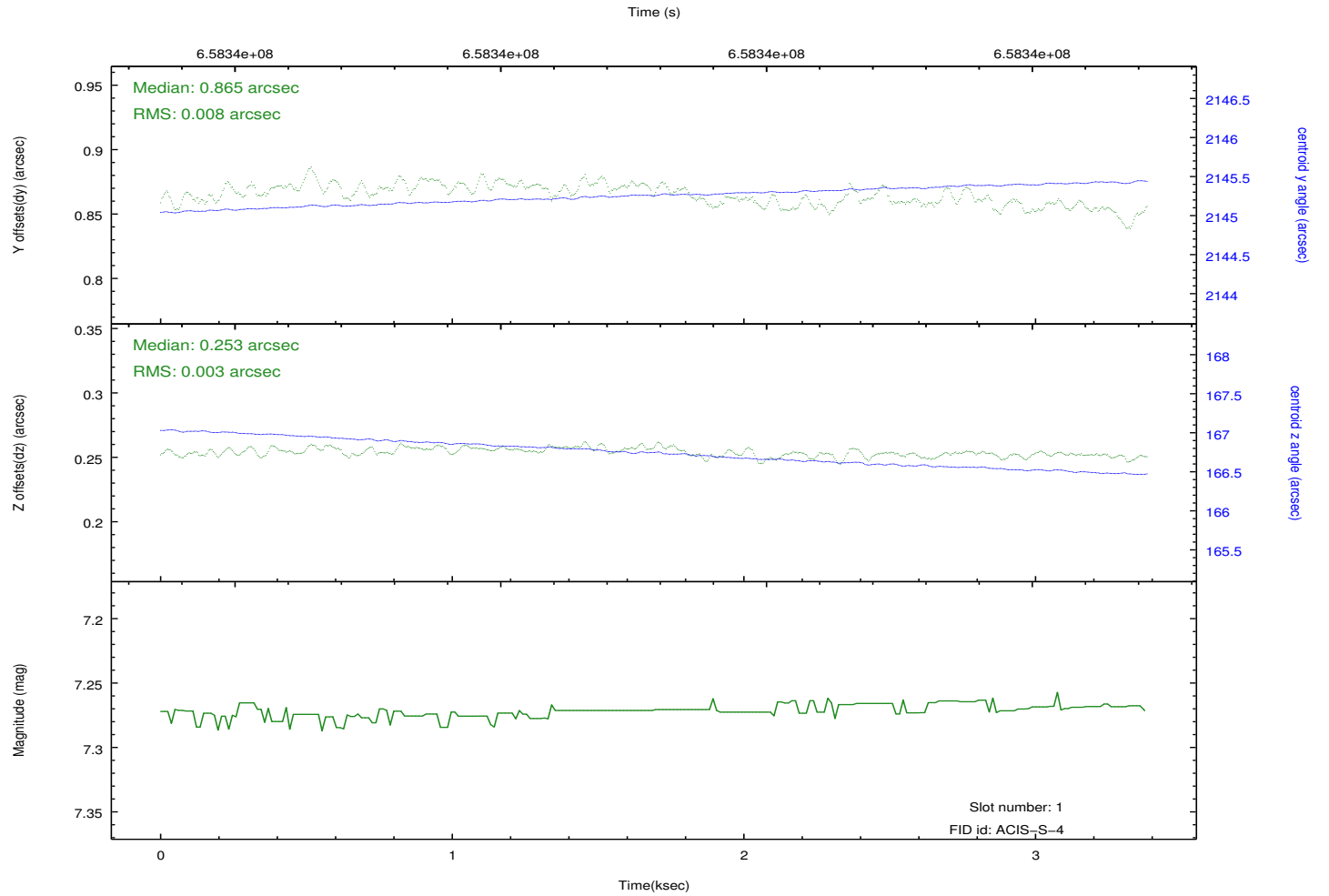
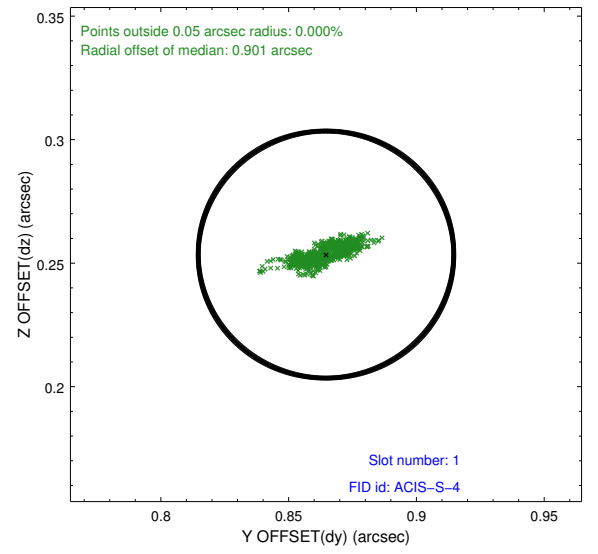
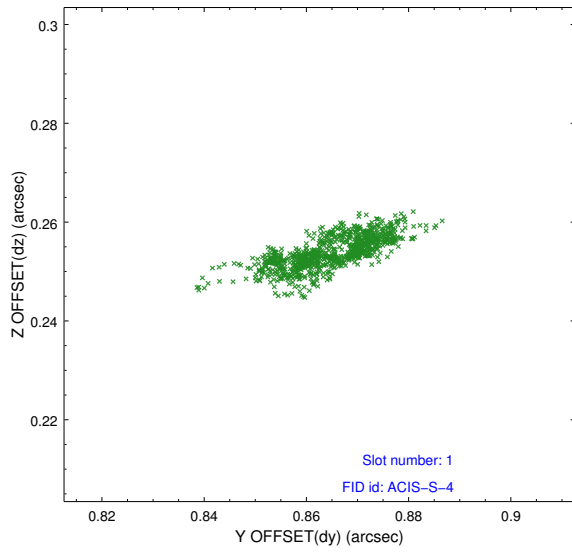


2.5 FID Slots

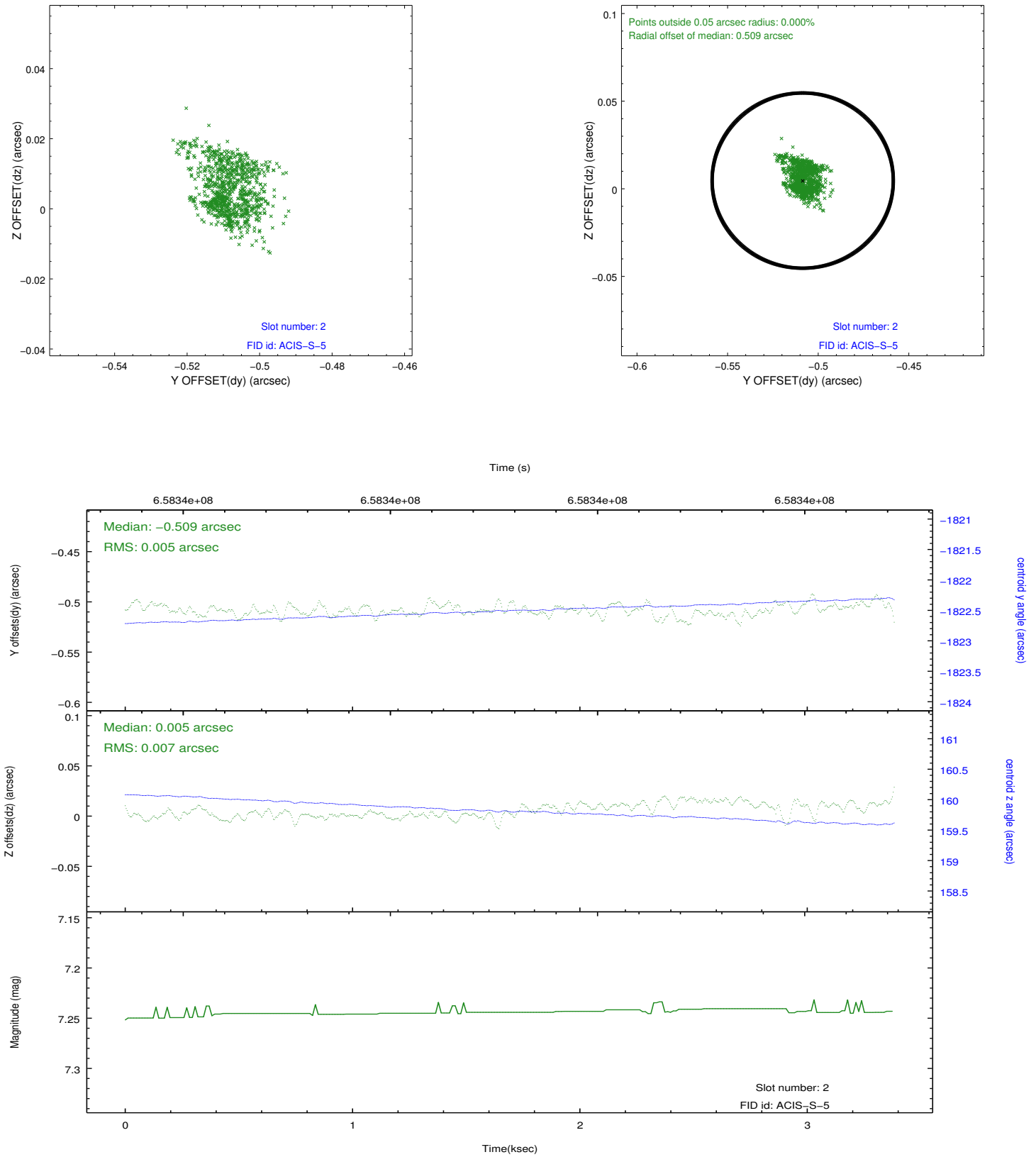
2.5.1 Slot 0



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)	2018.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.3076982513666

A.2 Comments