

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19740 - L2 Version 1
Chandra X-Ray Center

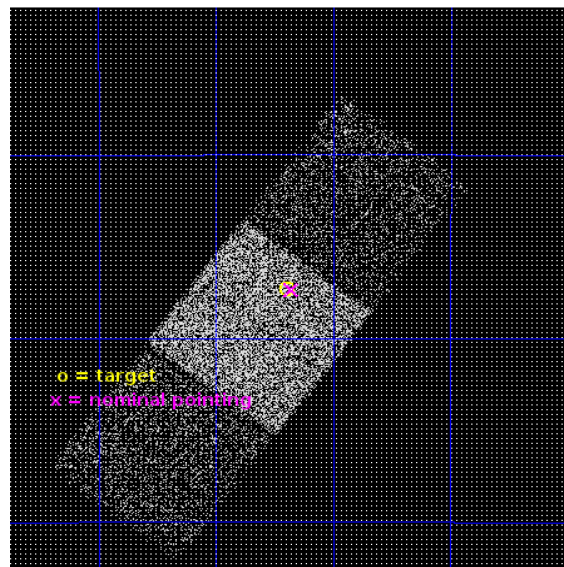
L2 Processing Date : Apr 7 2017

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1 Front

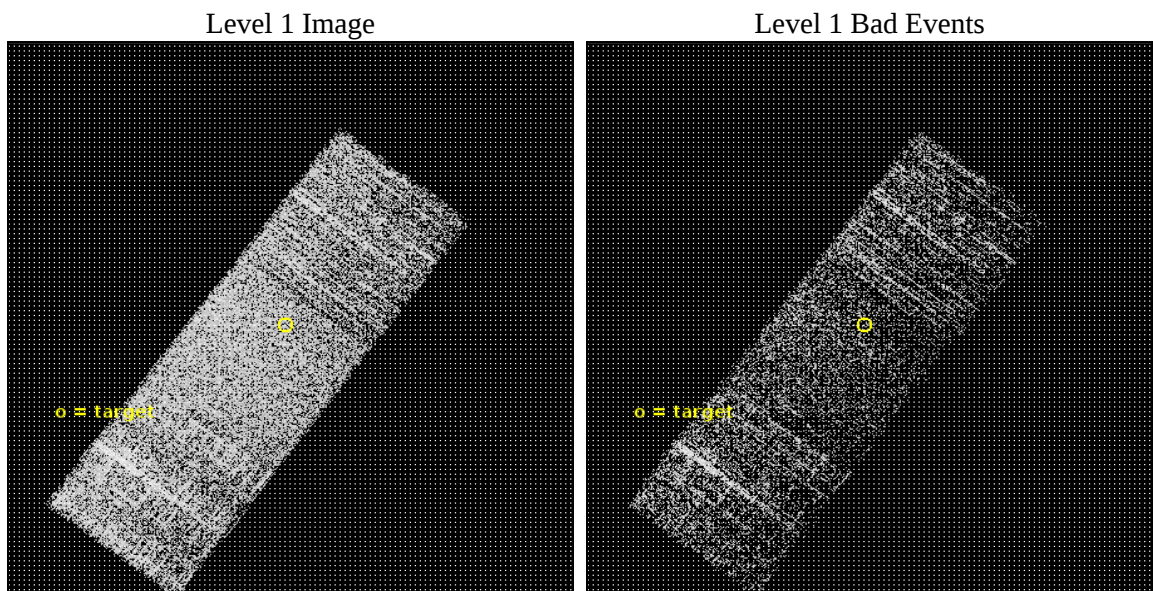
seq_num	703455	Sequence number
obs_id	19740	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W2210-3507	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	332.549583	Observer's specified target RA [deg]
dec_targ	-35.122222	Observer's specified target Dec [deg]
ra_nom	332.54451691317	Nominal RA [deg]
dec_nom	-35.122535836248	Nominal Dec [deg]
roll_nom	126.83504478577	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3115.5000240803	Sum of GTIs [s]
livetime	3074.7937226679	Livetime [s]
ontime6	3115.5000240803	Sum of GTIs [s]
ontime7	3115.5000240803	Sum of GTIs [s]
ontime8	3115.5000240803	Sum of GTIs [s]
l2events	16625	Number of level 2 events



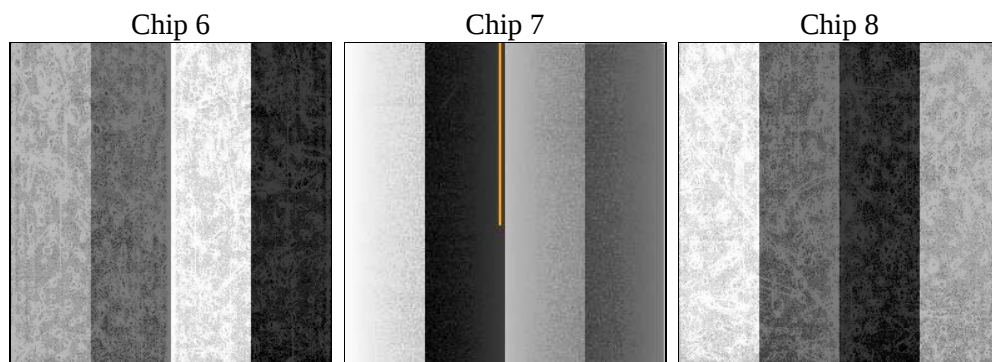
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	3115.5000240803	Sum of GTIs [s]
caldsver	4.7.3	 	ontime6	3115.5000240803	Sum of GTIs [s]
date	2017-04-07T22:26:53	Date and time of file creation	ontime7	3115.5000240803	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3115.5000240803	Sum of GTIs [s]
			l1events	76302	Number of level 1 events

2.1.4 Events

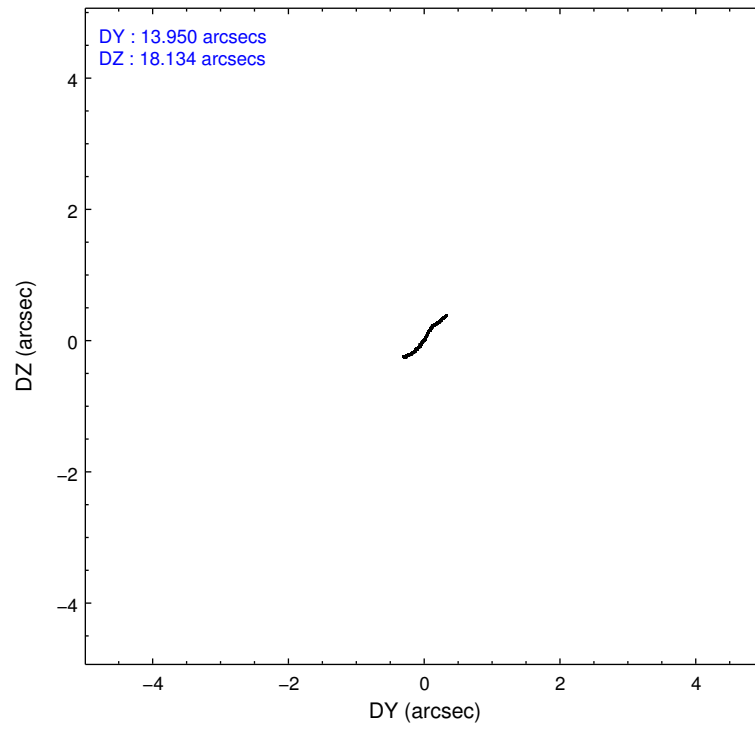
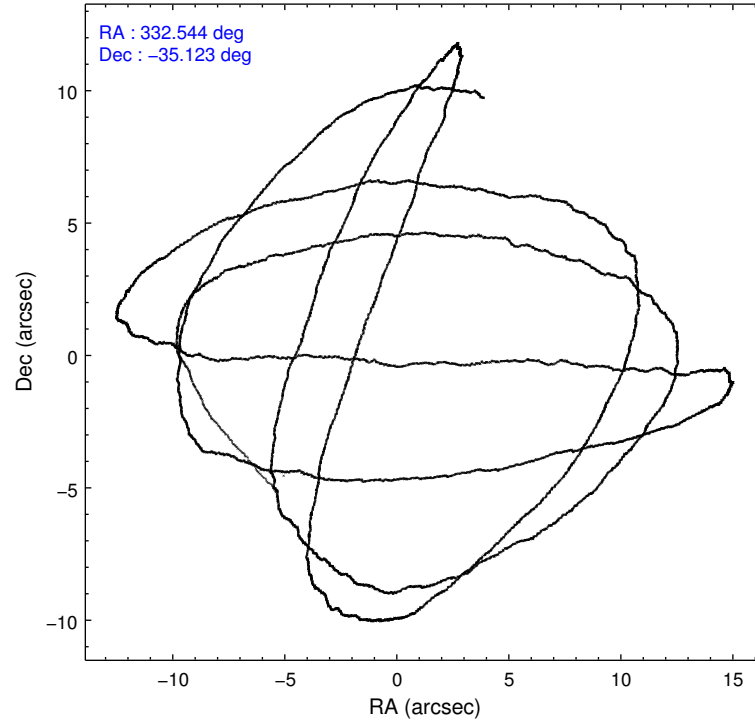
	ccd 6	ccd 7	ccd 8
level 1 events	21166	27271	27865
rejected events	18655	15120	20184
rejected %	88%	55%	72%

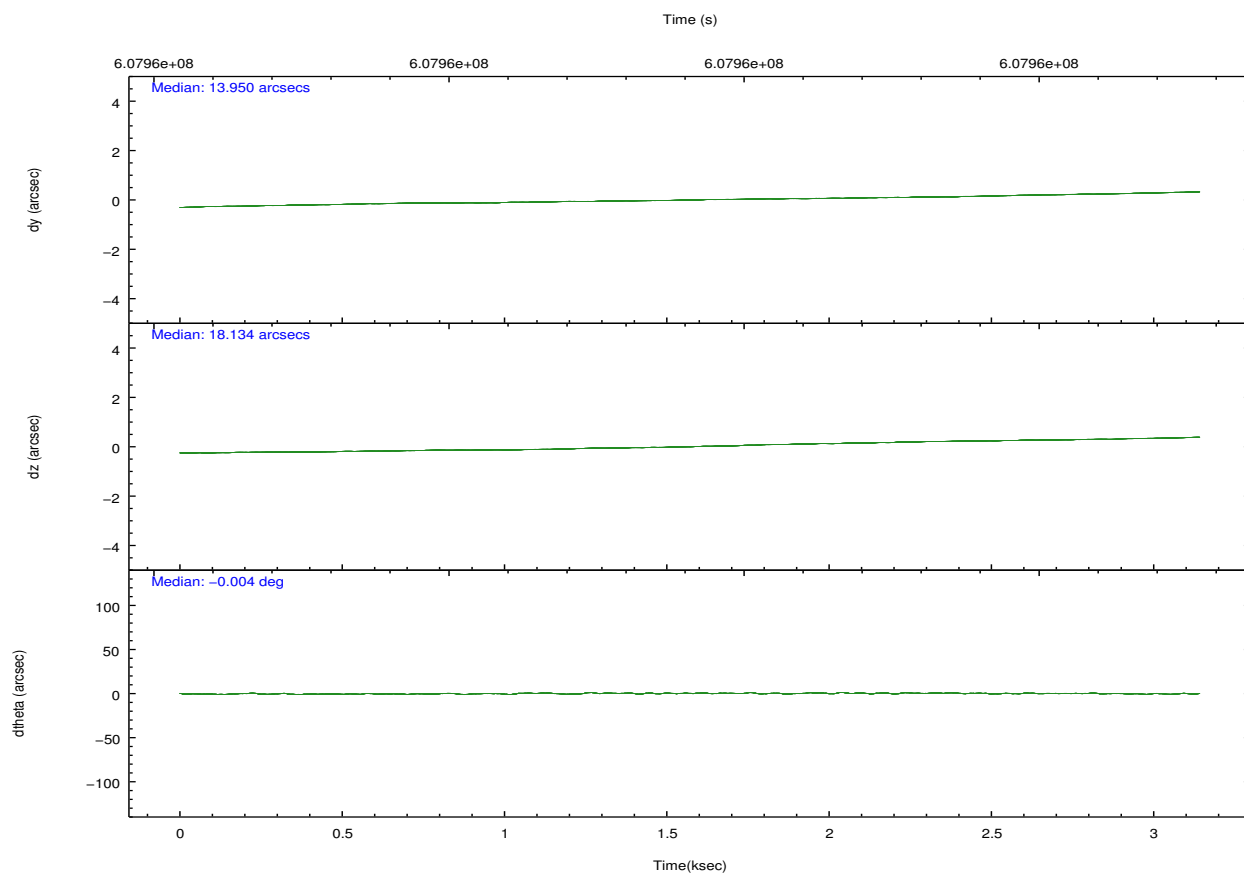
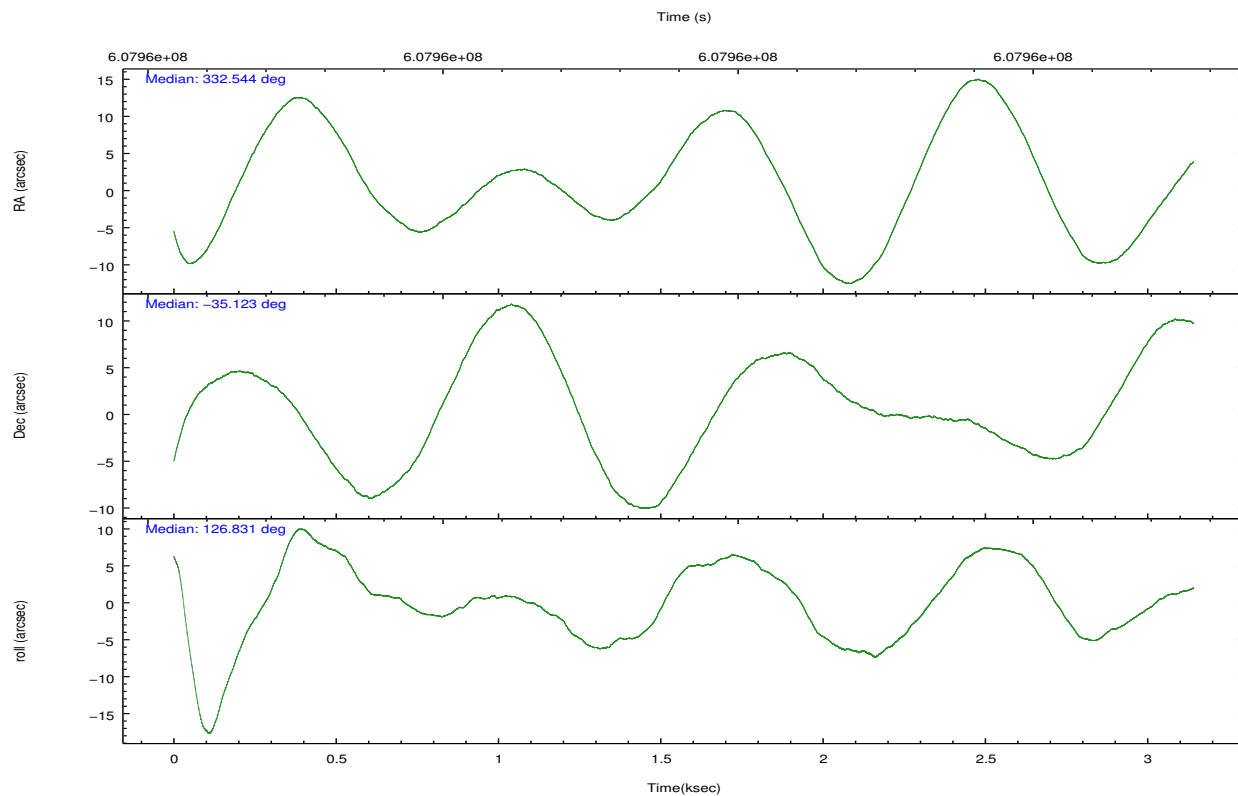
	ccd 6	ccd 7	ccd 8
grade 0 events	836	1047	2271
	3%	3%	8%
grade 1 events	10	40	30
	0%	0%	0%
grade 2 events	617	2642	1899
	2%	9%	6%
grade 3 events	267	942	719
	1%	3%	2%
grade 4 events	230	940	688
	1%	3%	2%
grade 5 events	1021	2758	1605
	4%	10%	5%
grade 6 events	565	6587	2109
	2%	24%	7%
grade 7 events	17620	12315	18544
	83%	45%	66%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	332.575595	332.5445169131748	Subarray requested	NONE	NONE
[deg] Pointing Dec	-35.133036	-35.12253583624829	Alternating exposures requested	N	N
[deg] Pointing Roll	126.696212	126.835044785775	[s] Primary exposure time	0.000000	3.1
[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)	607961376.184000	607960420.73457			
Observation start date	2017-04-07T14:08:27	2017-04-07T13:53:40			
[s] Observation end time (MET)	607964376.184000	607965051.68483			
Observation end date	2017-04-07T14:58:27	2017-04-07T15:10:51			
Read mode	TIMED	TIMED			

2.3 Aspect



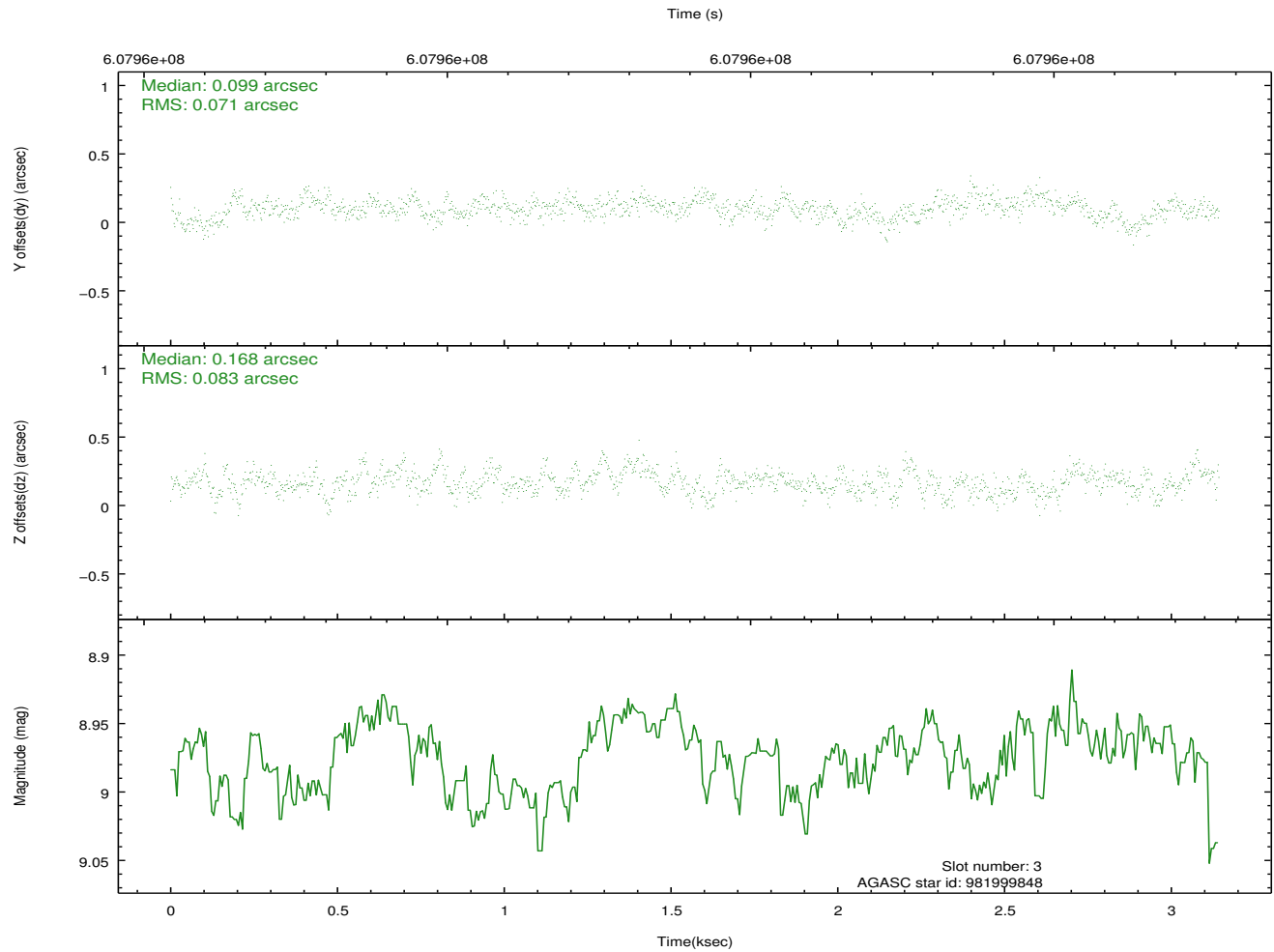
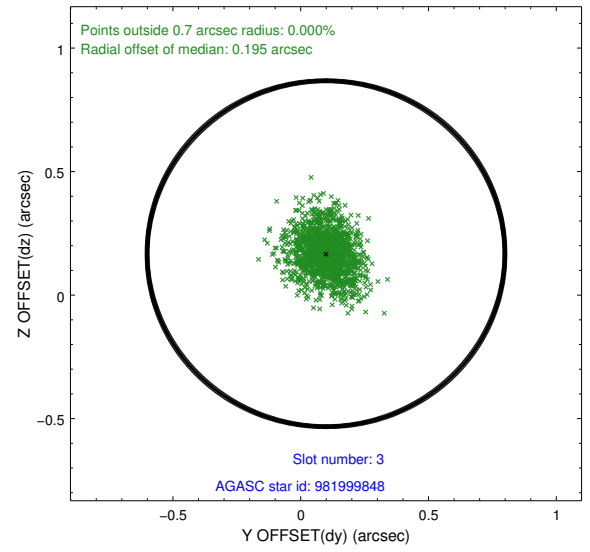
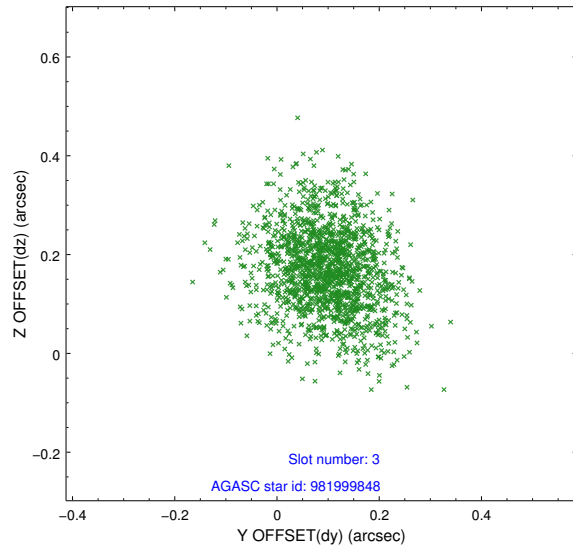


Slot Statistics

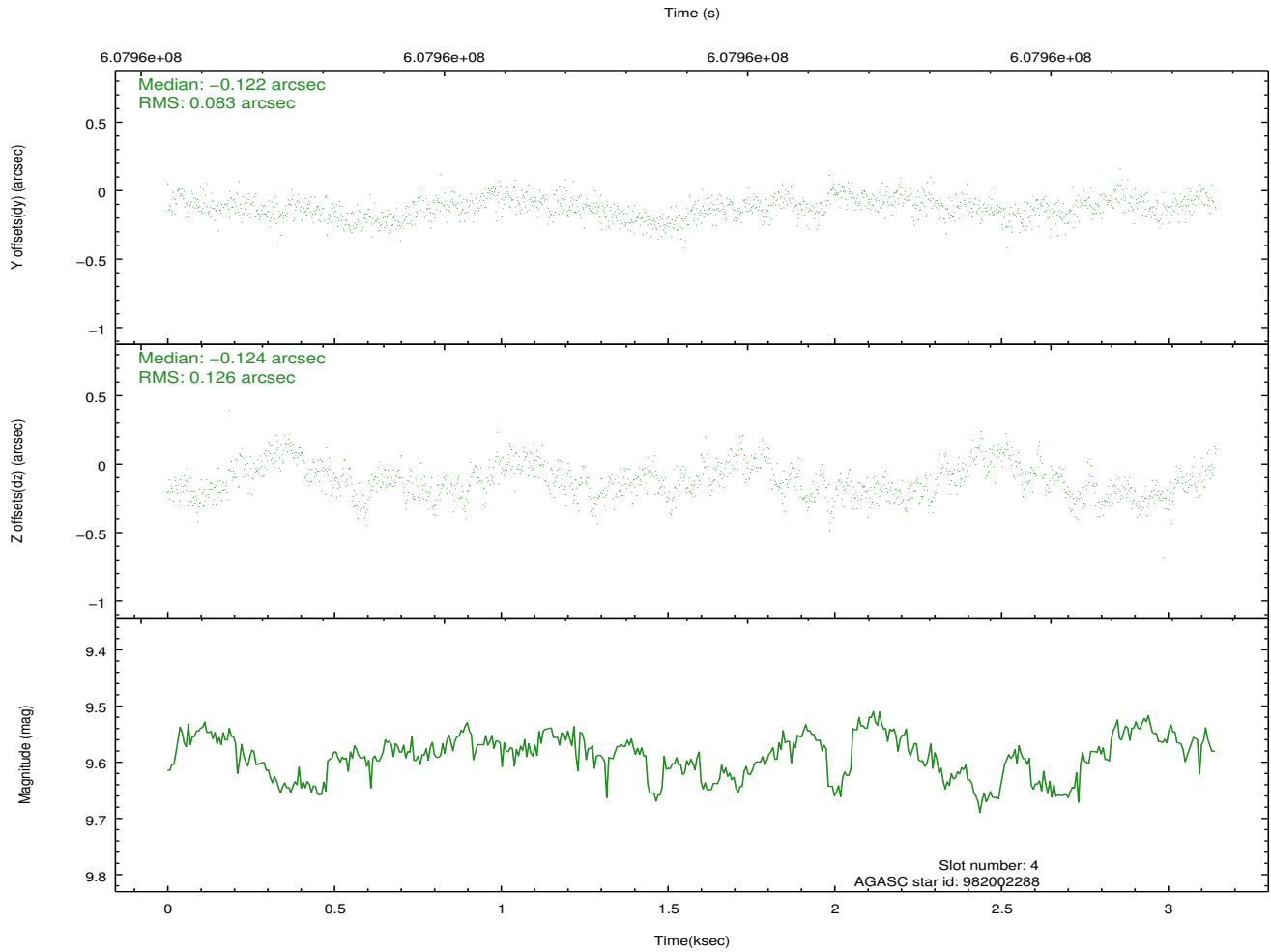
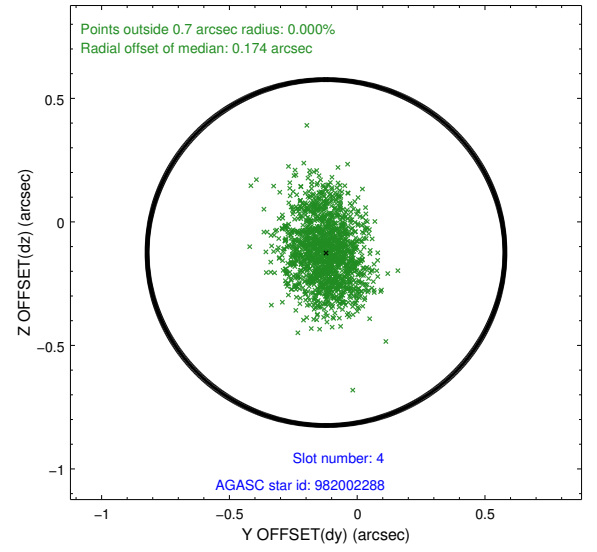
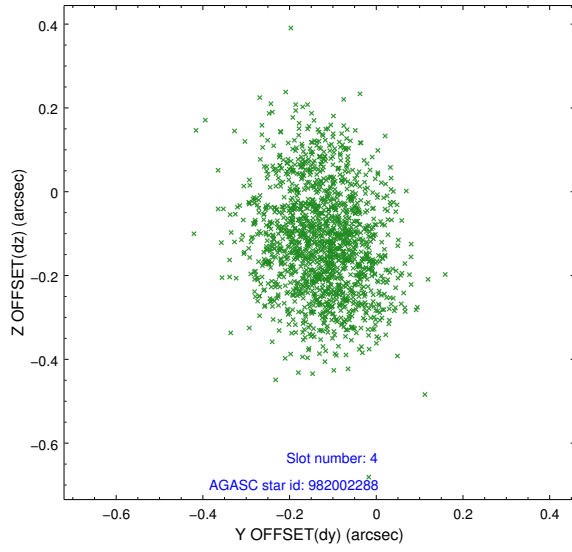
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.02	767	-0.162	-0.139	0.012	0.021	0.000000	0.000000	-767.05	-1739.72
1	FID		ACIS-S-4	7.13	767	0.483	0.116	0.011	0.018	0.000000	0.000000	2145.94	166.92
2	FID		ACIS-S-5	7.13	766	-0.351	0.032	0.007	0.013	0.000000	0.000000	-1817.49	162.81
3	GUIDE	used	981999848	8.97	1533	0.099	0.168	0.115	0.192	332.299991	-34.770289	1533.49	-126.17
4	GUIDE	used	982002288	9.59	1534	-0.122	-0.124	0.164	0.258	332.115150	-34.992869	1213.85	788.95
5	GUIDE	used	982388640	9.50	1530	-0.185	-0.095	0.155	0.248	331.966526	-35.027572	1373.25	1216.05
6	GUIDE	used	982388656	8.15	1533	-0.401	-0.417	0.114	0.188	331.766556	-35.206016	1204.44	2072.02
7	GUIDE	used	983308032	10.13	1527	0.637	0.451	0.230	0.357	333.186757	-35.540009	-2247.35	-555.31

2.4 Star Slots

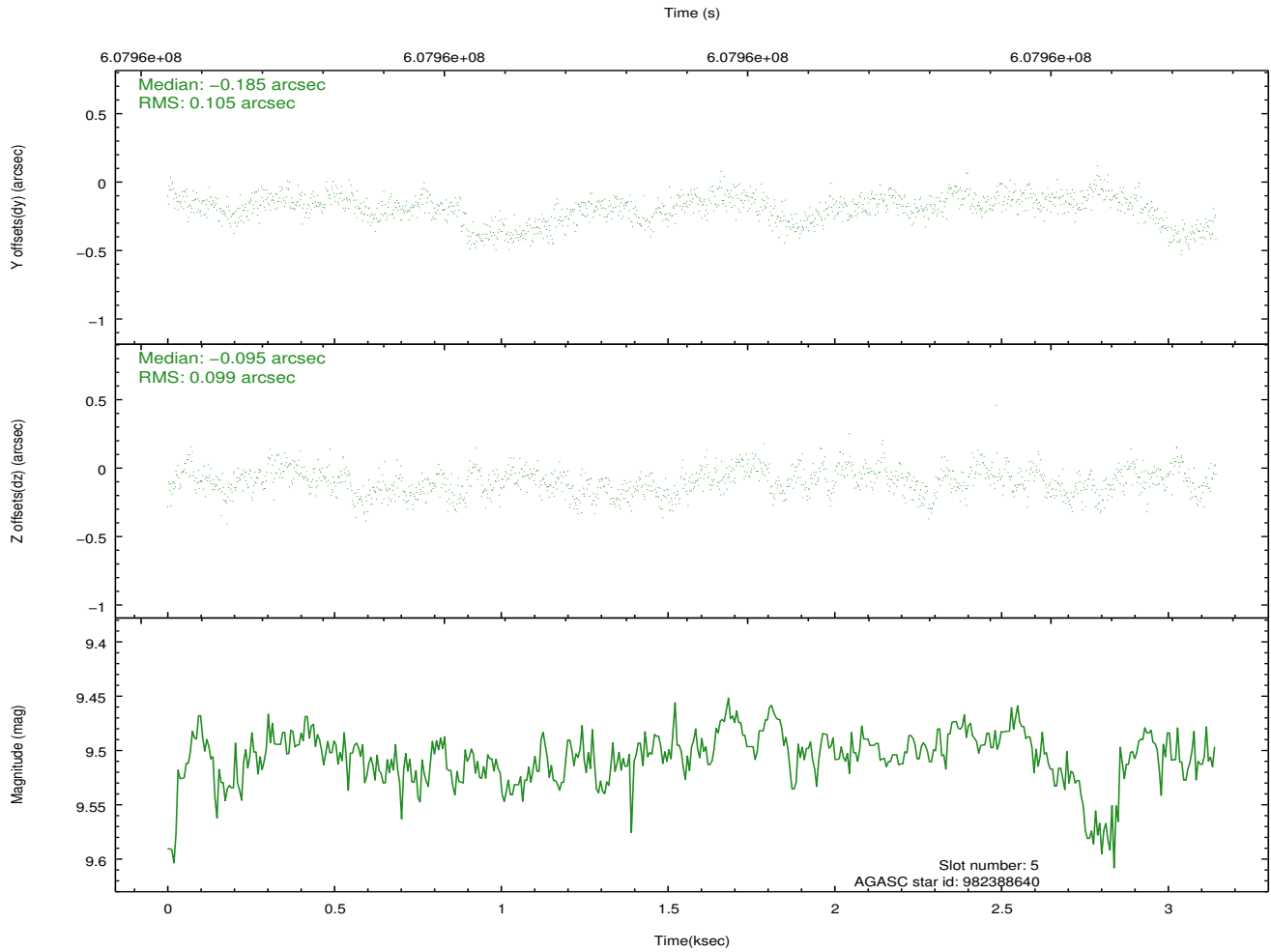
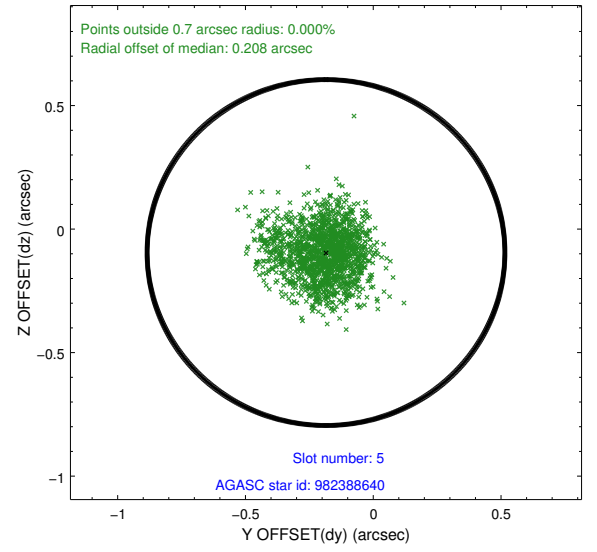
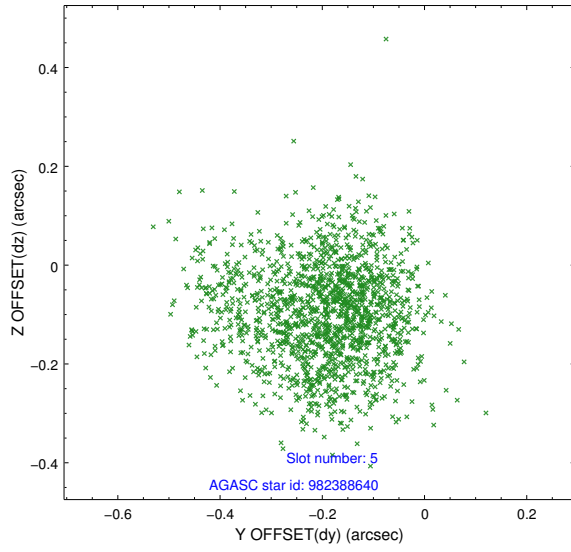
2.4.1 Slot 3



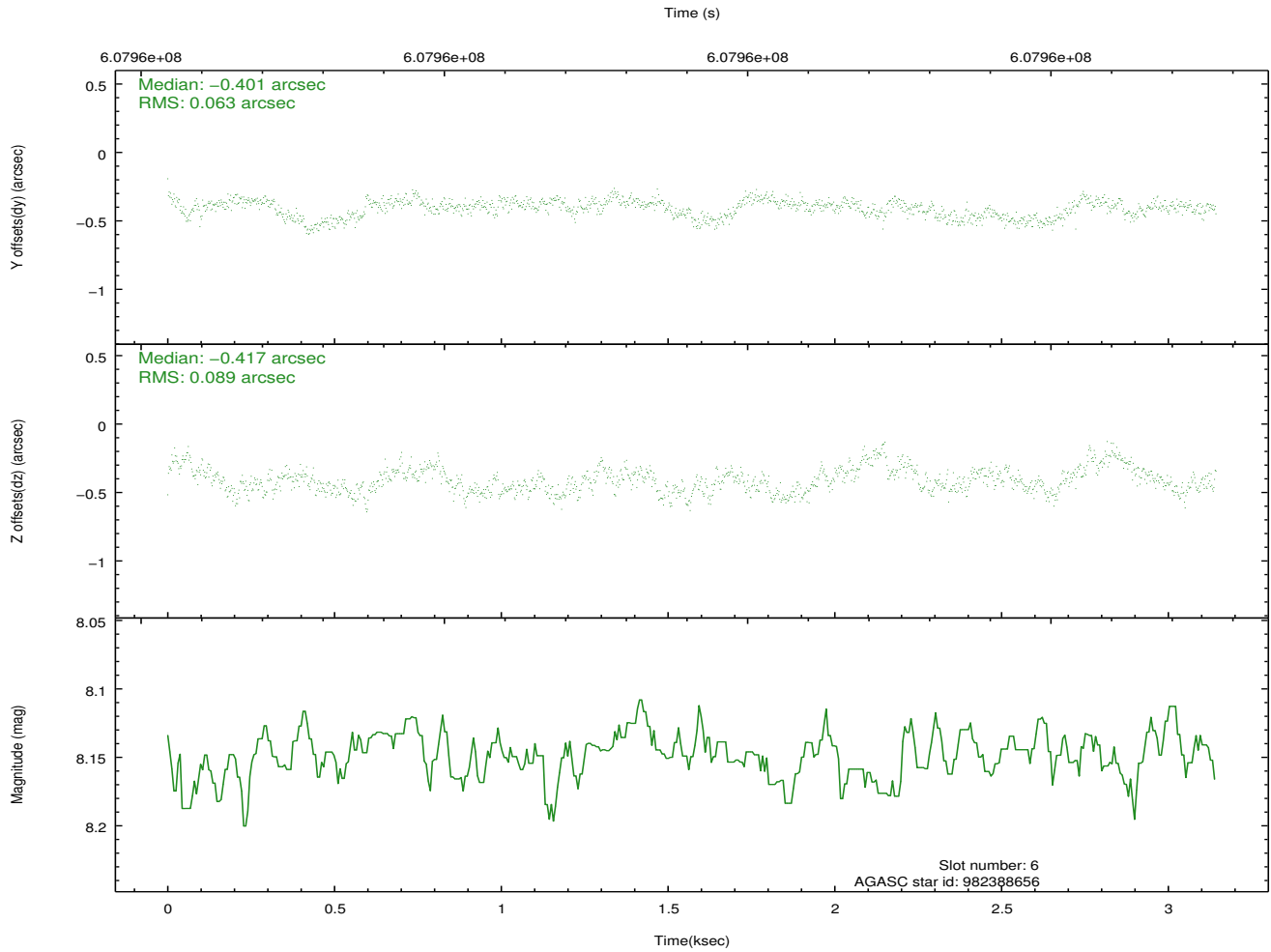
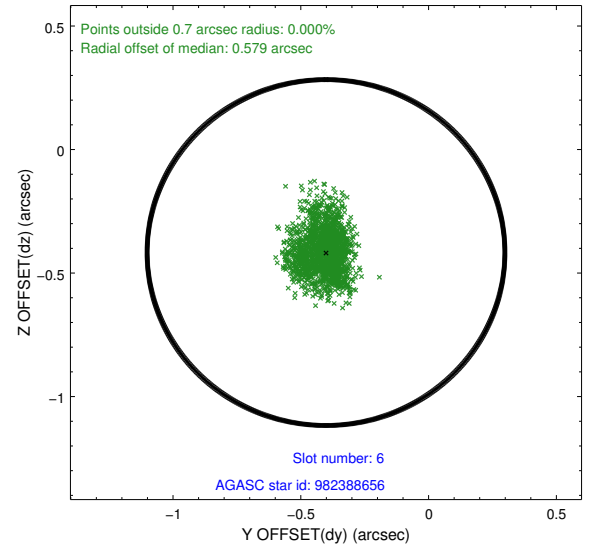
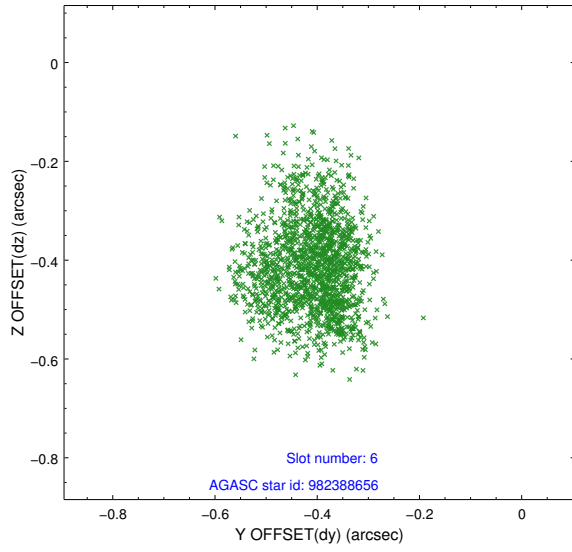
2.4.2 Slot 4



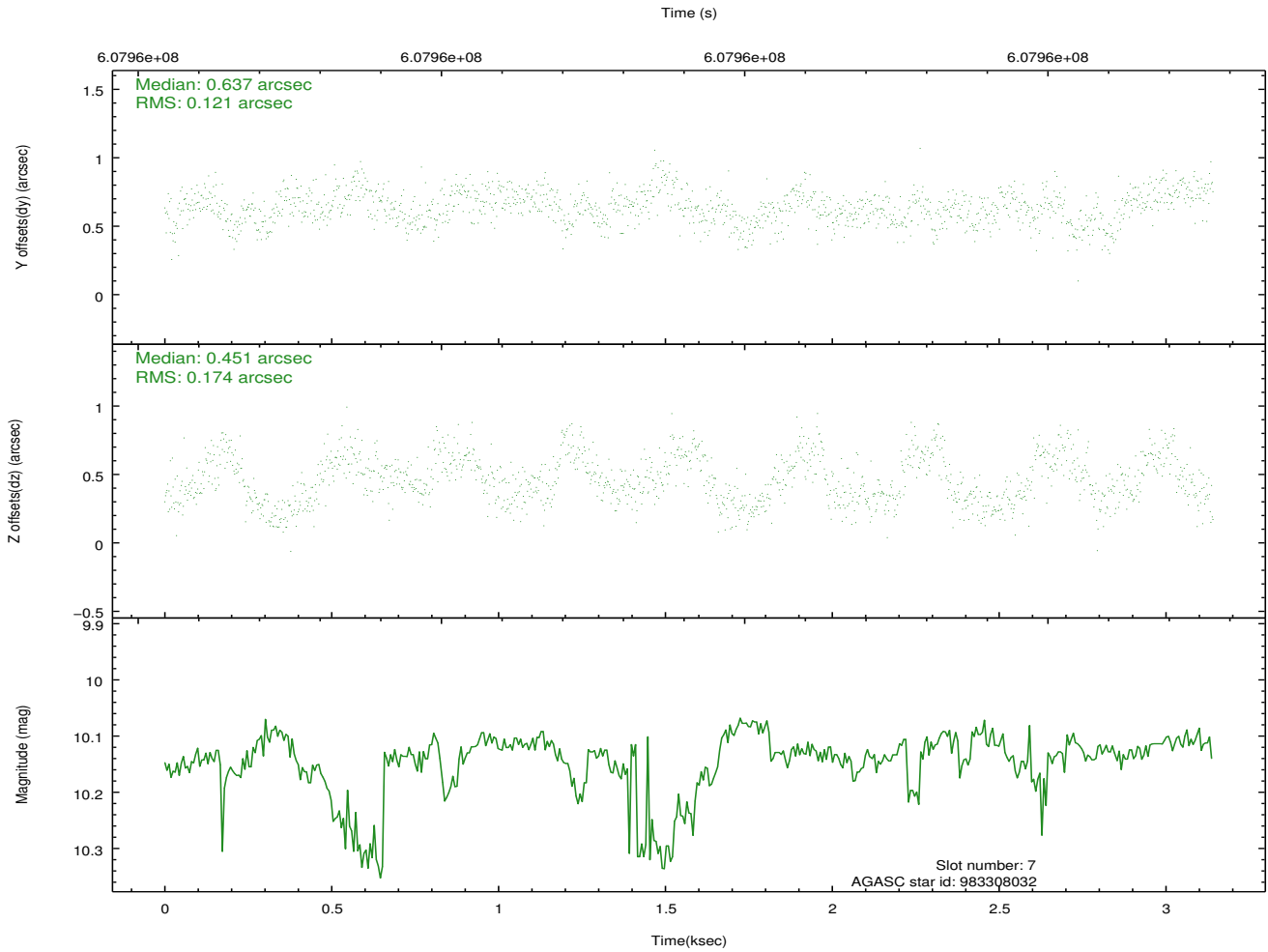
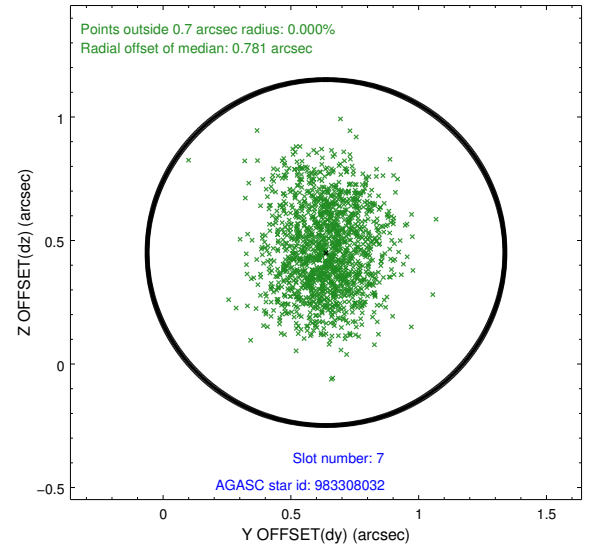
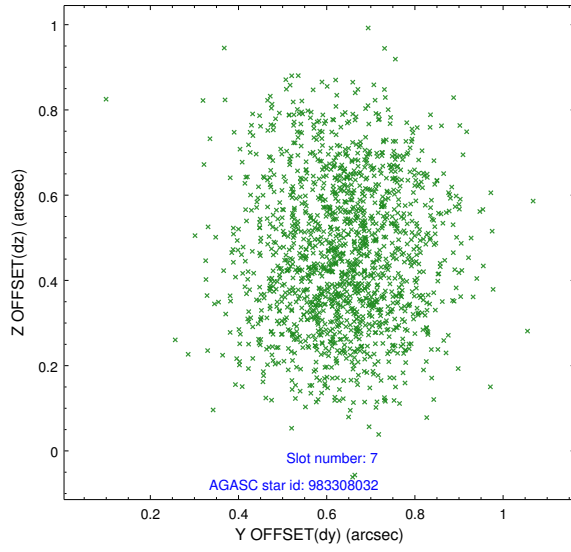
2.4.3 Slot 5



2.4.4 Slot 6

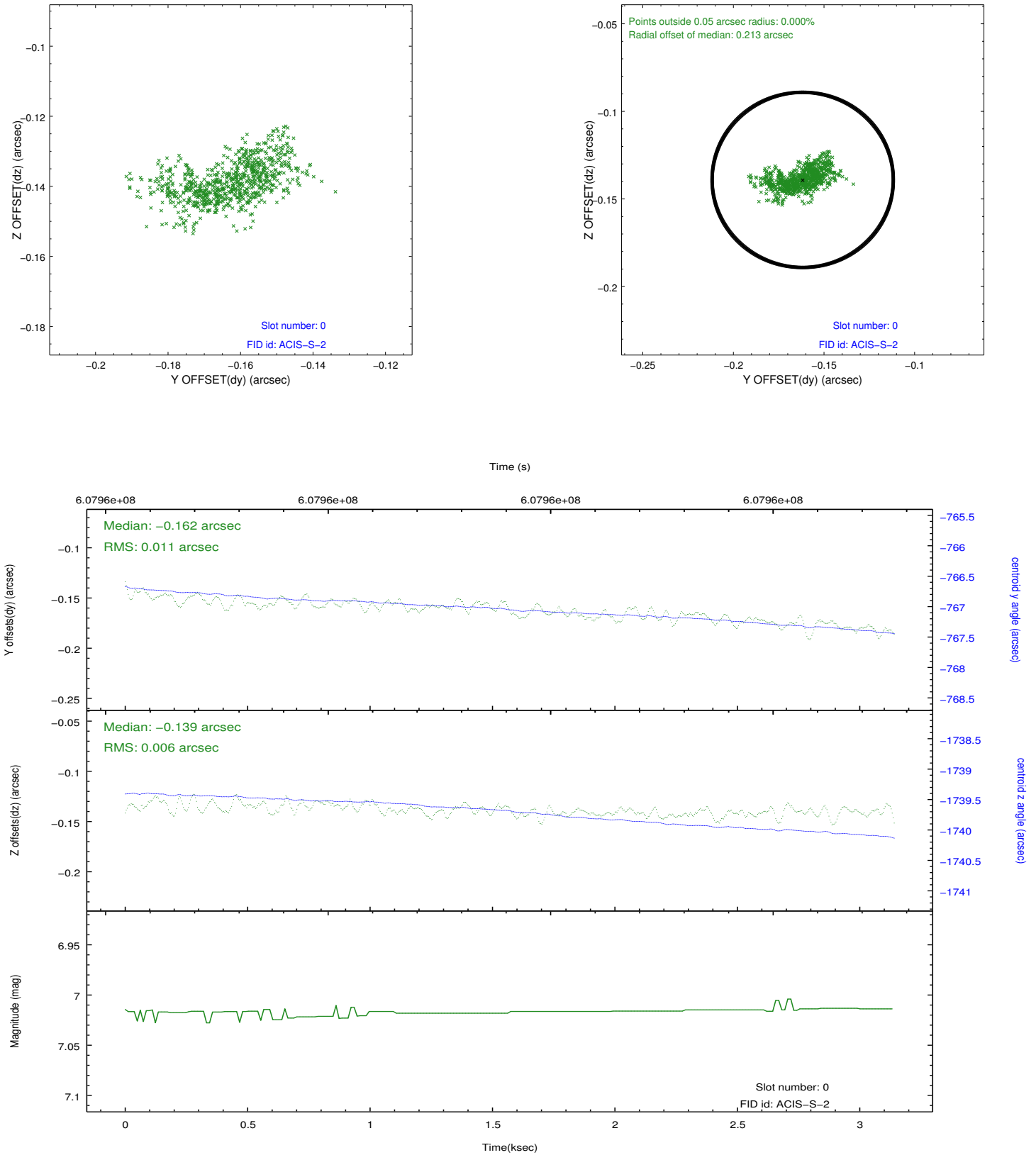


2.4.5 Slot 7

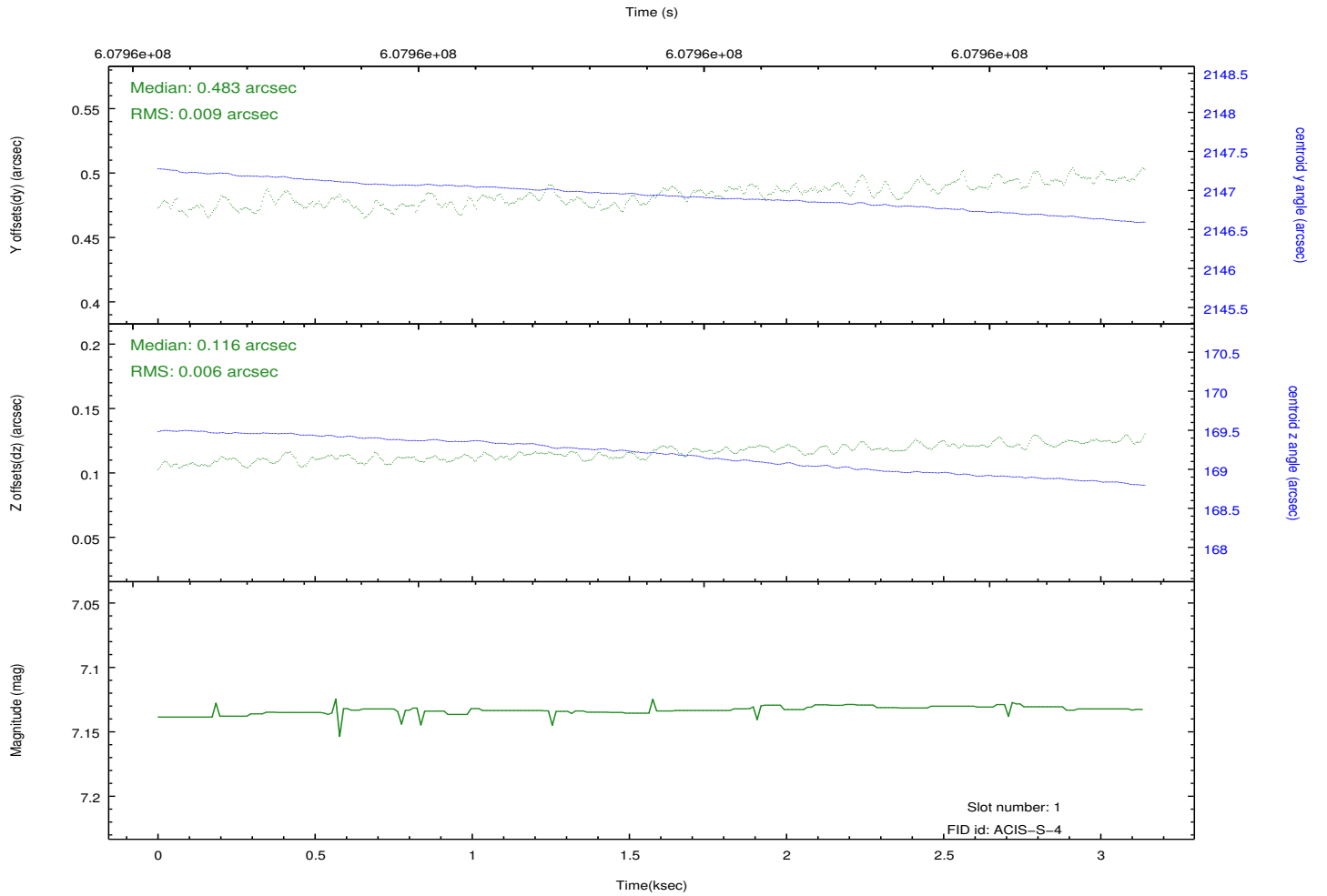
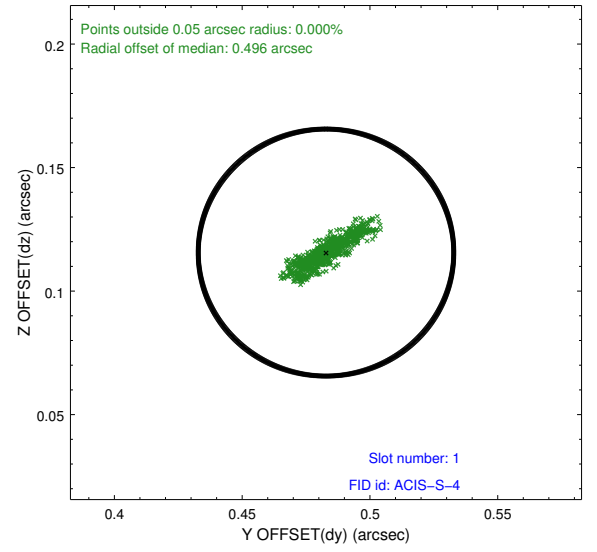
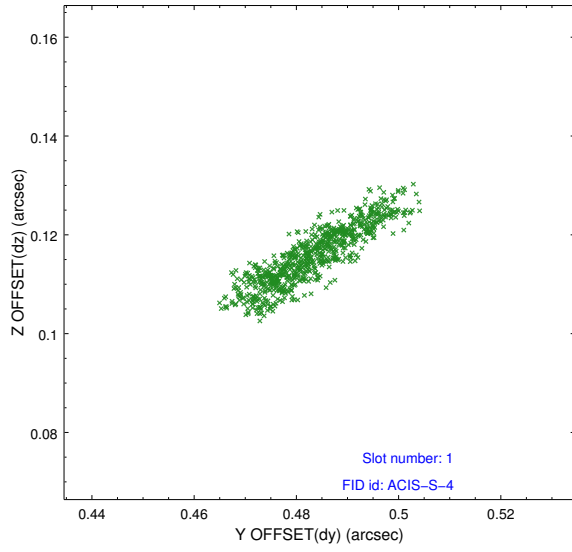


2.5 FID Slots

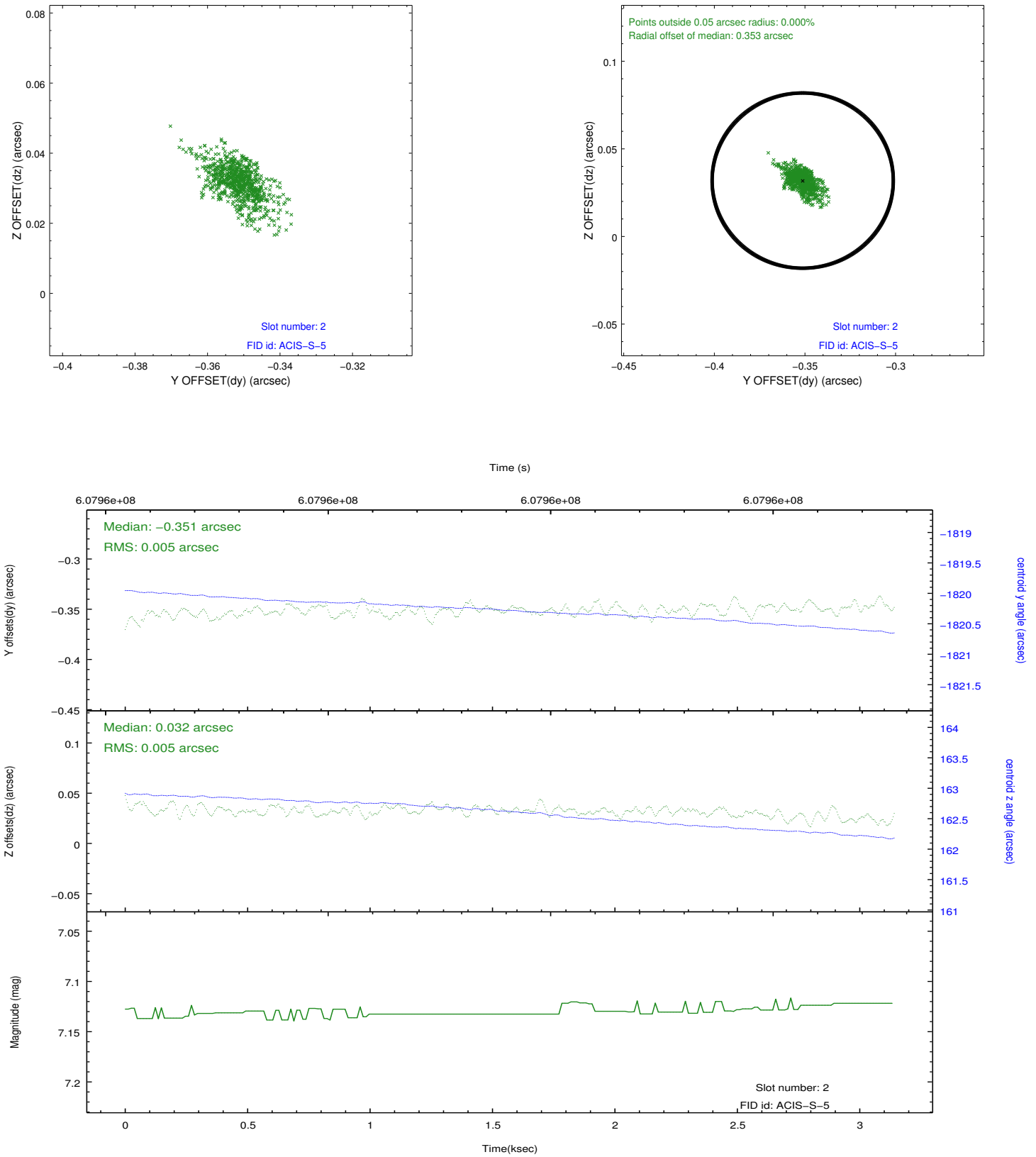
2.5.1 Slot 0



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)	2017.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1155000240803

A.2 Comments