

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 22588 - L2 Version 1
Chandra X-Ray Center

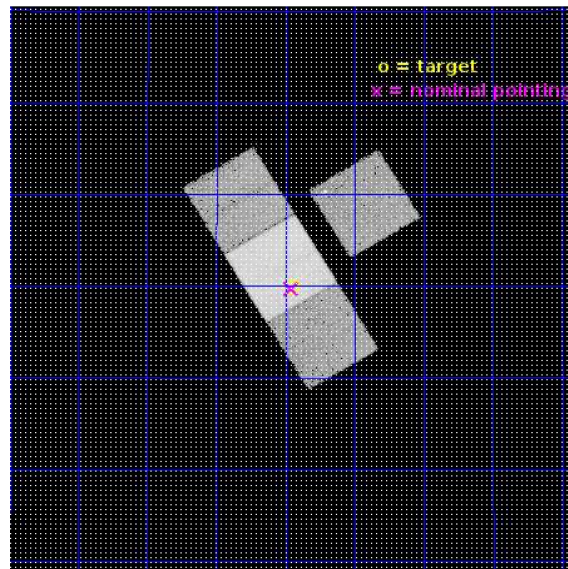
L2 Processing Date : Sep 20 2019

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1 Front

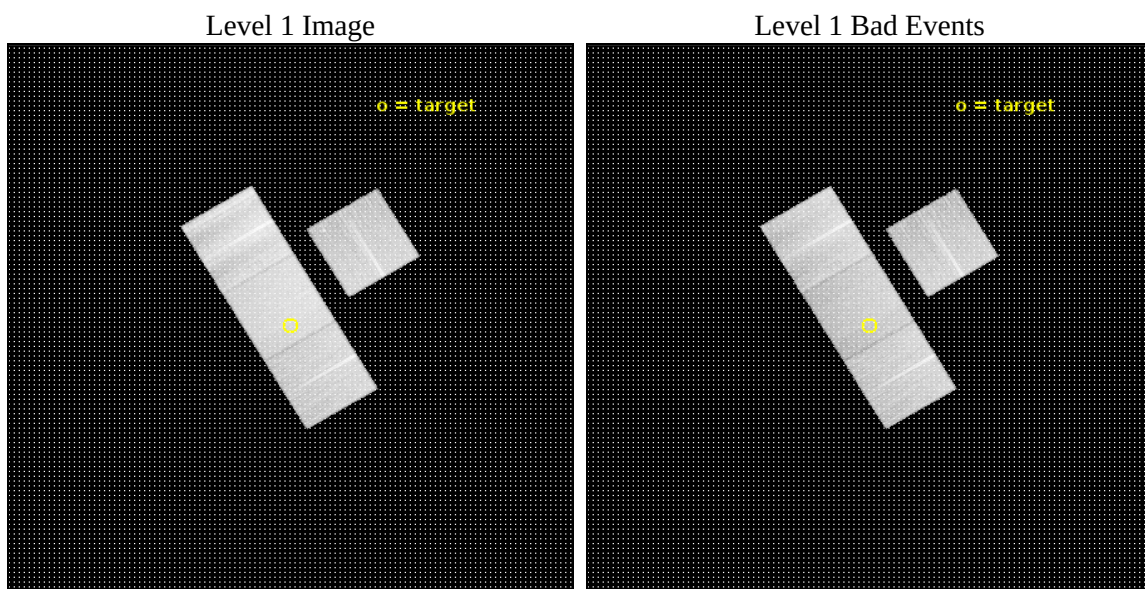
seq_num	703974	Sequence number
obs_id	22588	Observation id
title	An X-ray survey of the most luminous z=5-6 quasars	Proposal title
observer	Jiang-Tao Li	Principal investigator
object	J220226.77+150952.38	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	330.611667	Observer's specified target RA [deg]
dec_targ	15.164556	Observer's specified target Dec [deg]
ra_nom	330.61395137962	Nominal RA [deg]
dec_nom	15.16197357411	Nominal Dec [deg]
roll_nom	239.14885449371	Nominal Roll [deg]
revision	1	Processing version of data
ontime	28267.620312214	Sum of GTIs [s]
livetime	27898.283042515	Livetime [s]
ontime3	28267.538232207	Sum of GTIs [s]
ontime6	28267.57927227	Sum of GTIs [s]
ontime7	28267.620312214	Sum of GTIs [s]
ontime8	28267.497192264	Sum of GTIs [s]
l2events	187211	Number of level 2 events



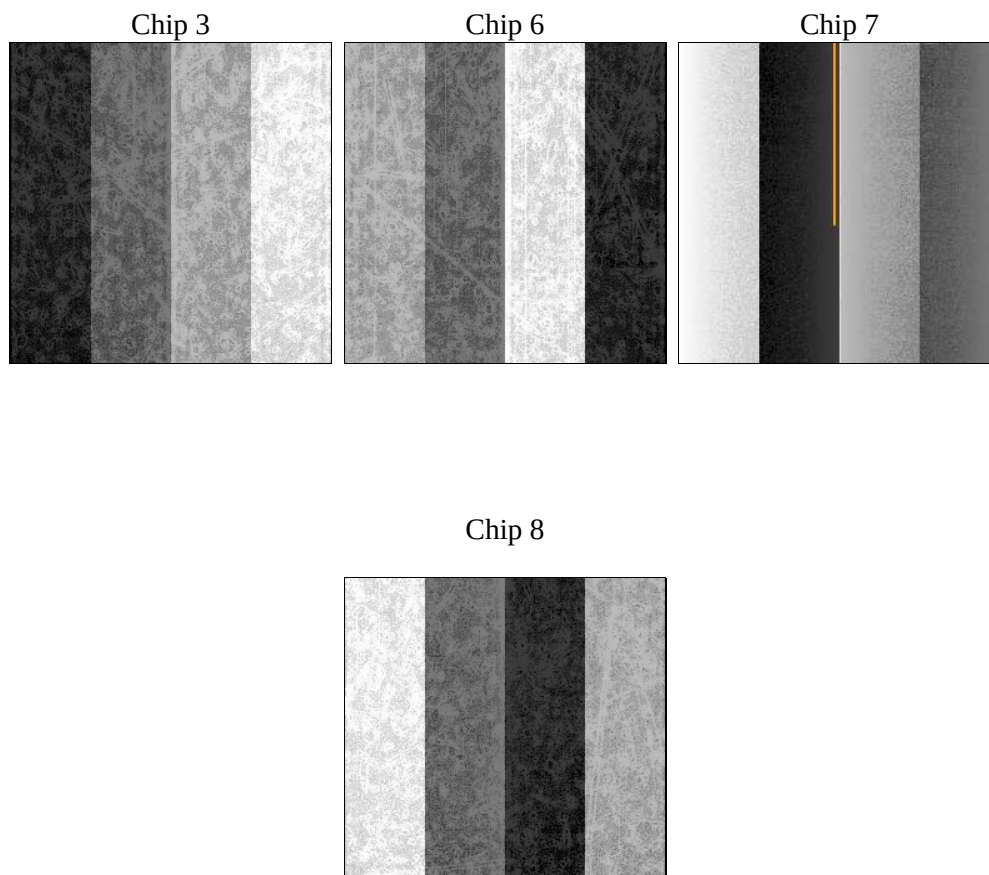
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28200.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	28267.620312214	Sum of GTIs [s]
caldsver	4.8.4.1	 	ontime3	28267.538232207	Sum of GTIs [s]
date	2019-09-20T05:21:22	Date and time of file creation	ontime6	28267.57927227	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	28267.620312214	Sum of GTIs [s]
			ontime8	28267.497192264	Sum of GTIs [s]
			l1events	1010389	Number of level 1 events

2.1.4 Events

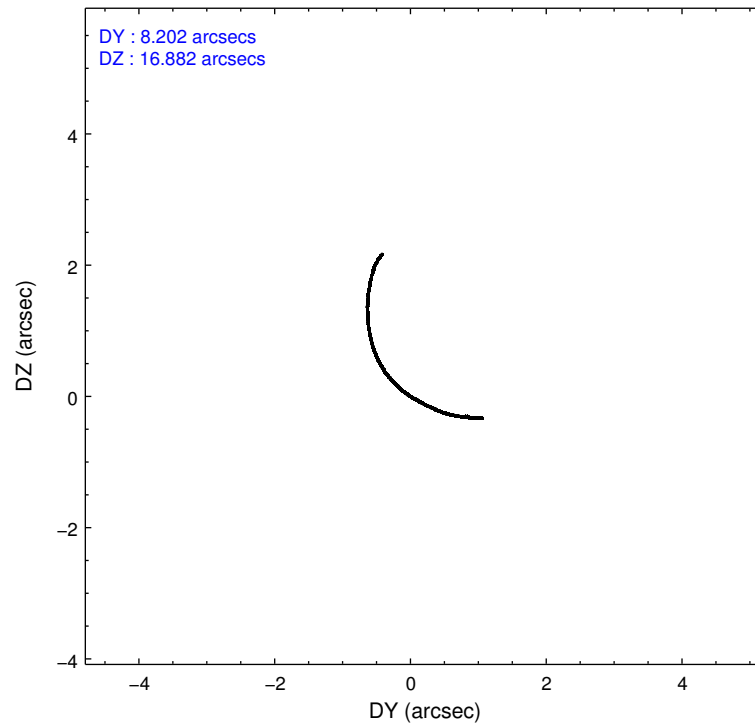
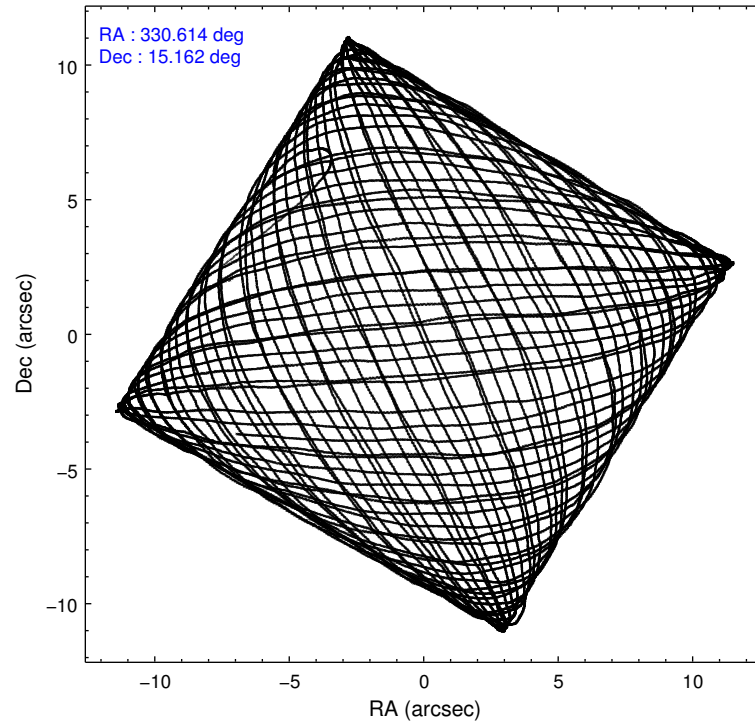
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	206258	225429	284396	294306
rejected events	183431	200688	160856	213792
rejected %	88%	89%	56%	72%

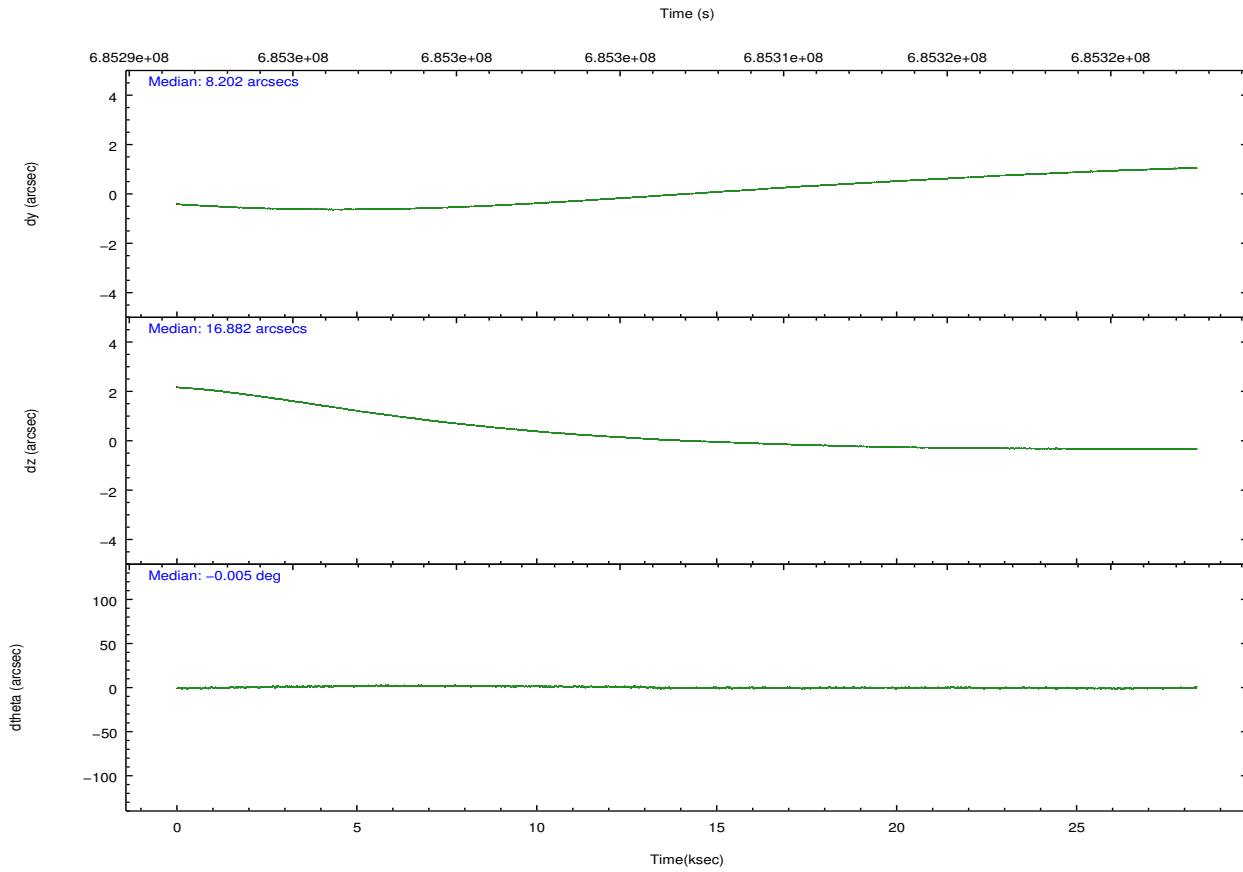
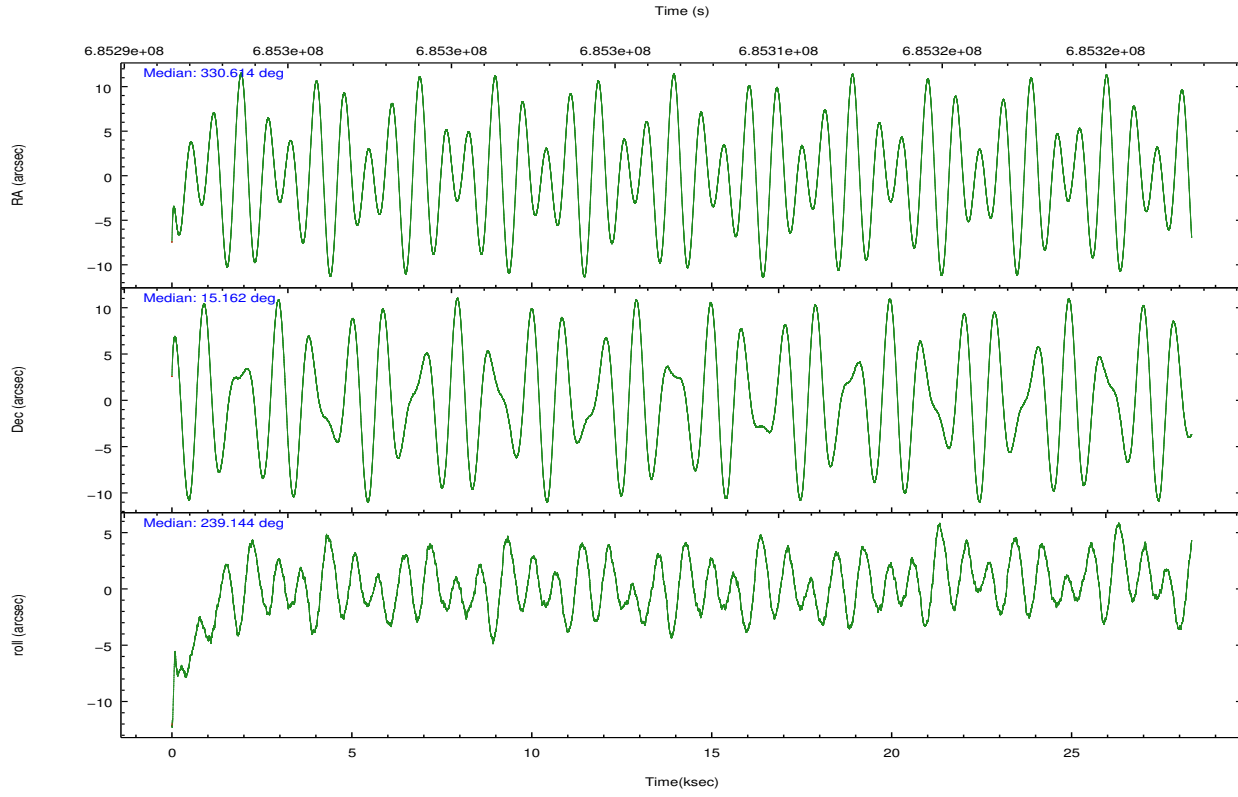
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	8148	8053	10259	22469
	3%	3%	3%	7%
grade 1 events	133	114	428	251
	0%	0%	0%	0%
grade 2 events	5044	6026	26958	19615
	2%	2%	9%	6%
grade 3 events	2378	2335	9308	8506
	1%	1%	3%	2%
grade 4 events	2359	2397	9357	8177
	1%	1%	3%	2%
grade 5 events	10279	10196	27557	15651
	4%	4%	9%	5%
grade 6 events	4902	5933	67684	21758
	2%	2%	23%	7%
grade 7 events	173015	190375	132845	197879
	83%	84%	46%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	330.613997	330.6139513796167	Subarray requested	NONE	NONE
[deg] Pointing Dec	15.189421	15.16197357410986	Alternating exposures requested	N	N
[deg] Pointing Roll	238.992219	239.1488544937054	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	685293028.184000	685291725.66677			
Observation start date	2019-09-19T15:09:19	2019-09-19T14:48:45			
[s] Observation end time (MET)	685321228.184000	685321949.33109			
Observation end date	2019-09-19T22:59:19	2019-09-19T23:12:29			
Read mode	TIMED	TIMED			

2.3 Aspect



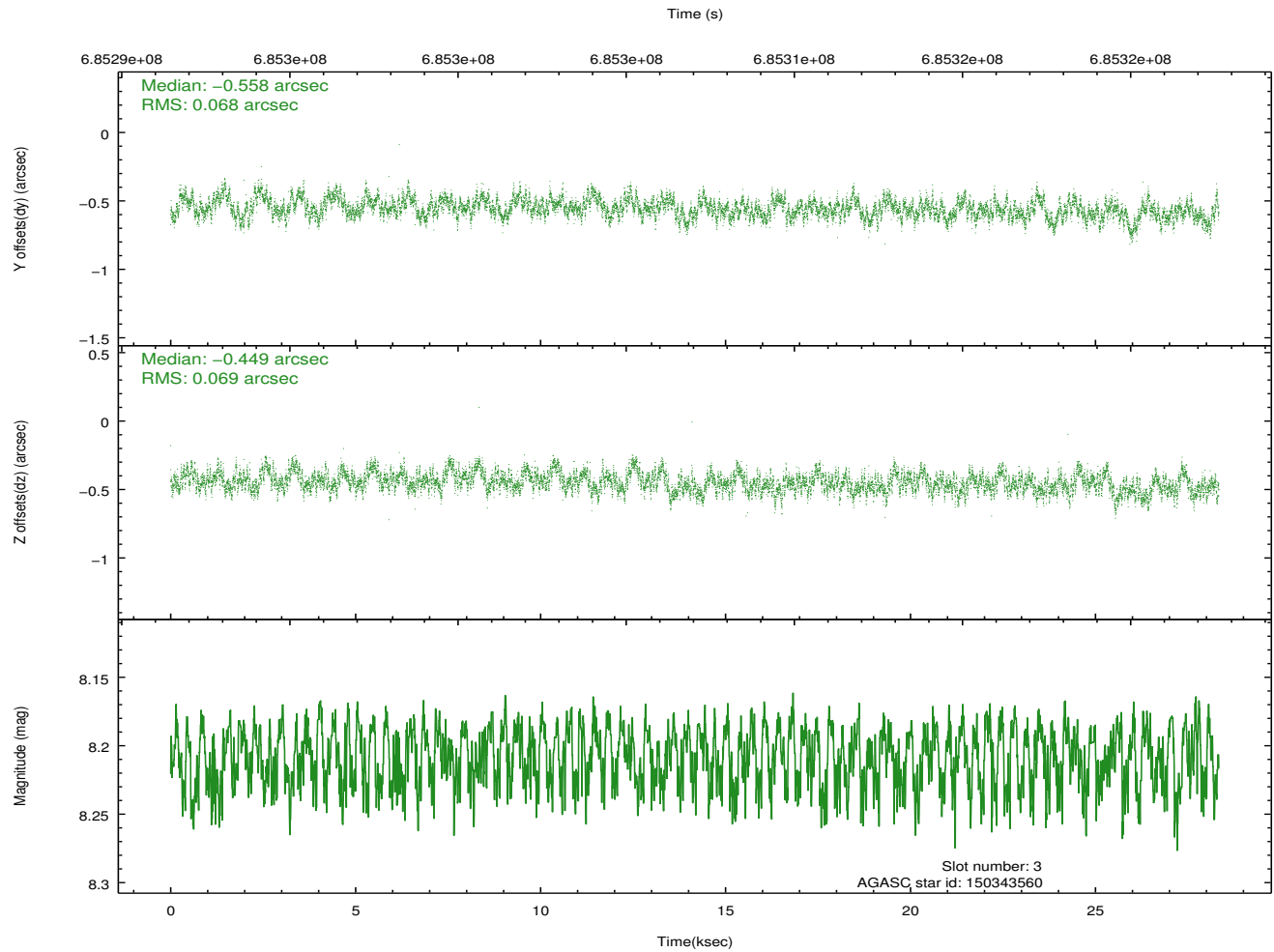
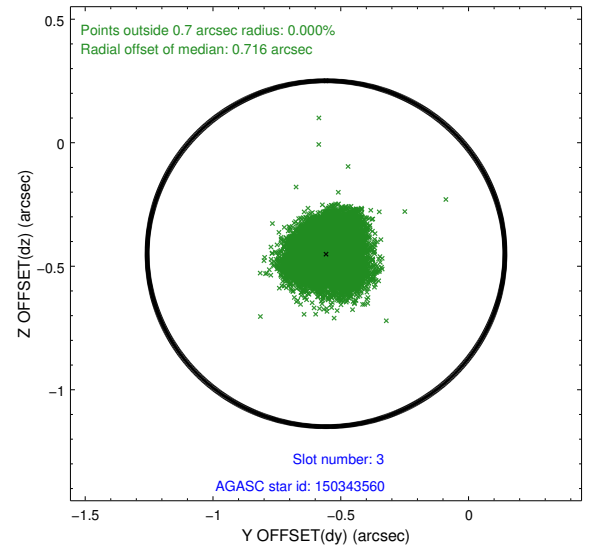
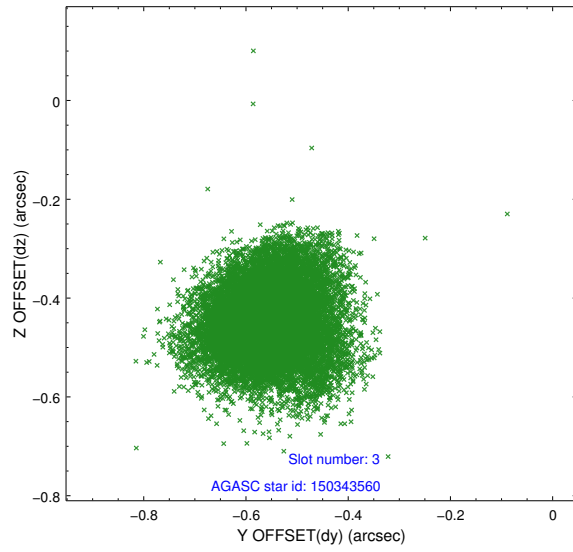


Slot Statistics

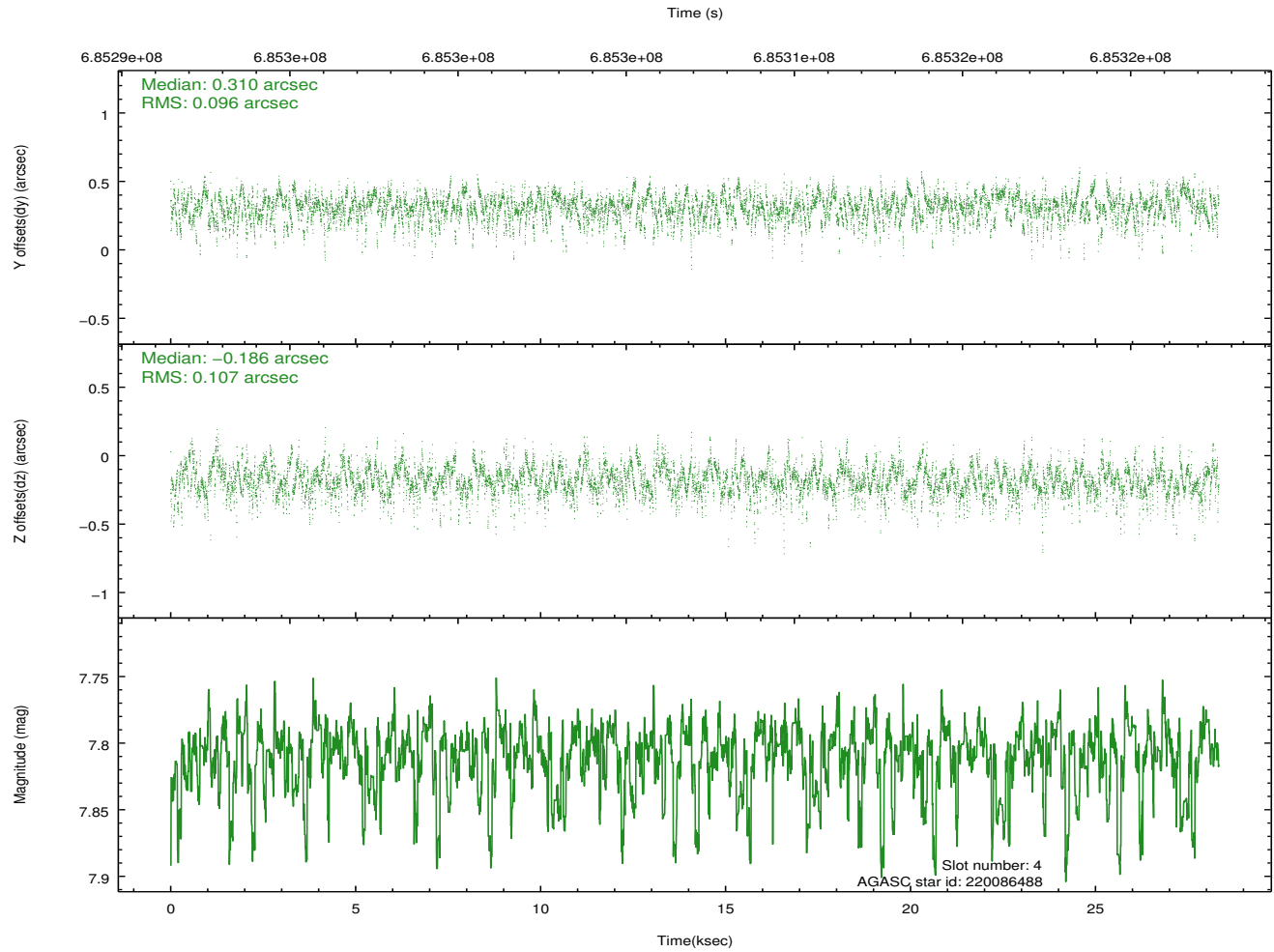
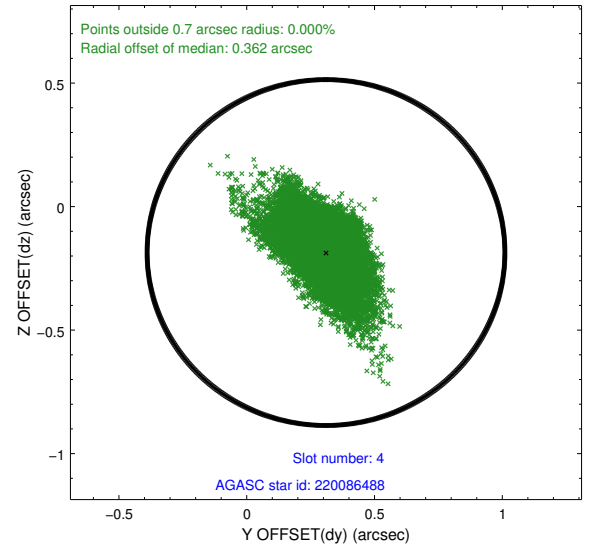
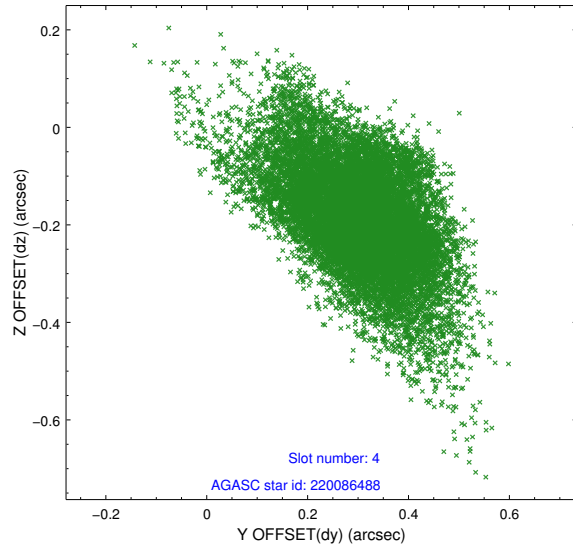
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.01	6912	1.000	-0.230	-0.128	0.014	0.020	0.000000	0.000000	-761.26	-1738
1	FID		ACIS-S-4	7.13	6912	1.000	0.553	0.145	0.039	0.071	0.000000	0.000000	2152.74	169
2	FID		ACIS-S-5	7.11	6912	1.000	-0.359	-0.009	0.033	0.054	0.000000	0.000000	-1814.16	163
3	GUIDE	used	150343560	8.21	13815	1.000	-0.558	-0.449	0.103	0.167	330.845431	14.394508	2036.36	2166
4	GUIDE	used	220086488	7.81	13819	1.000	0.310	-0.186	0.143	0.267	329.704134	15.053805	2044.24	-2462
5	GUIDE	used	220201200	9.05	13807	1.000	0.097	0.254	0.136	0.294	330.784647	15.529007	-1352.22	-122
6	GUIDE	used	220202960	9.10	13811	1.000	0.050	0.304	0.133	0.208	330.422033	15.790022	-1509.89	-1683
7	GUIDE	used	220214888	8.81	13816	1.000	0.108	0.101	0.116	0.182	330.523277	15.466123	-690.58	-781

2.4 Star Slots

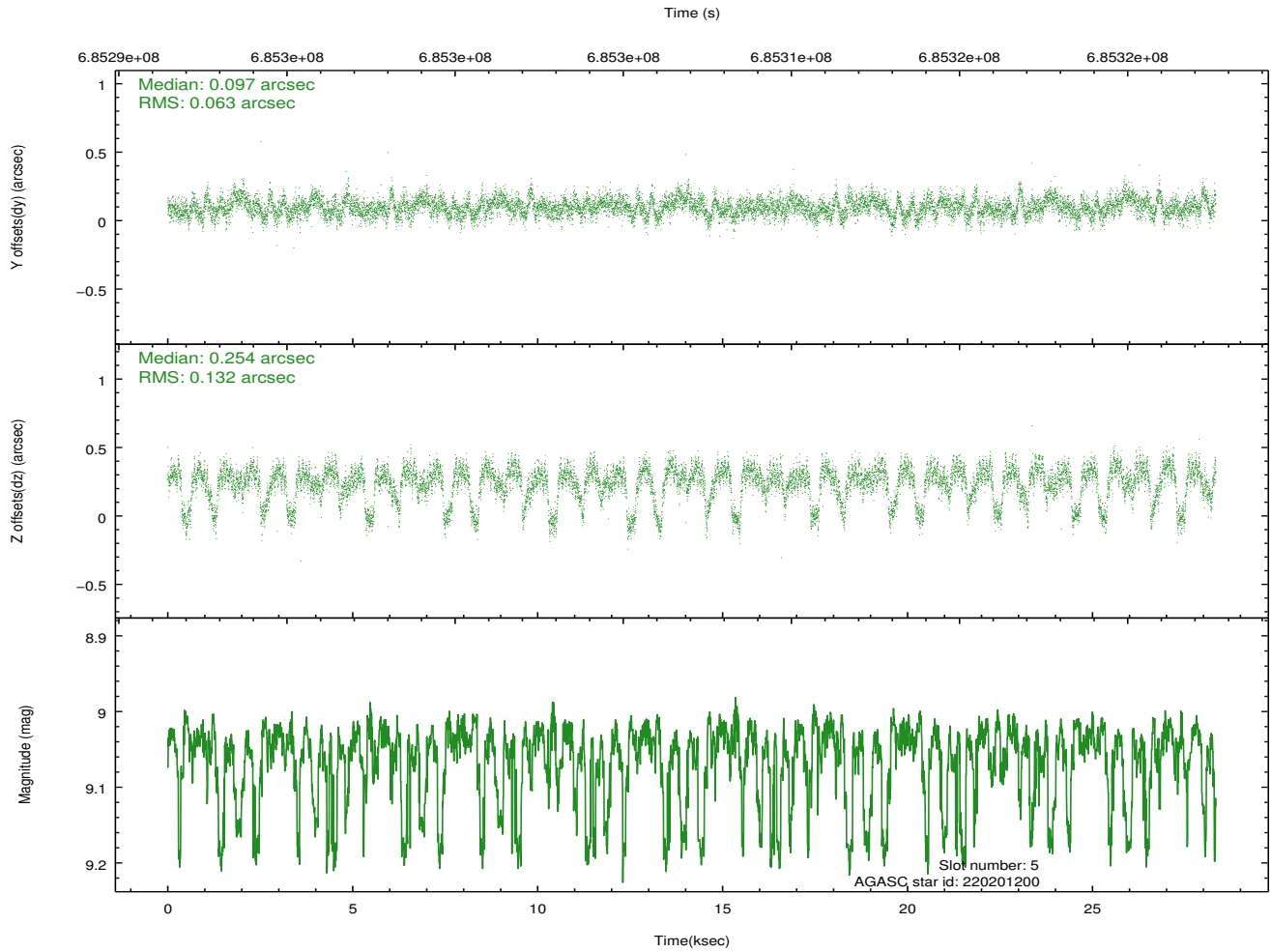
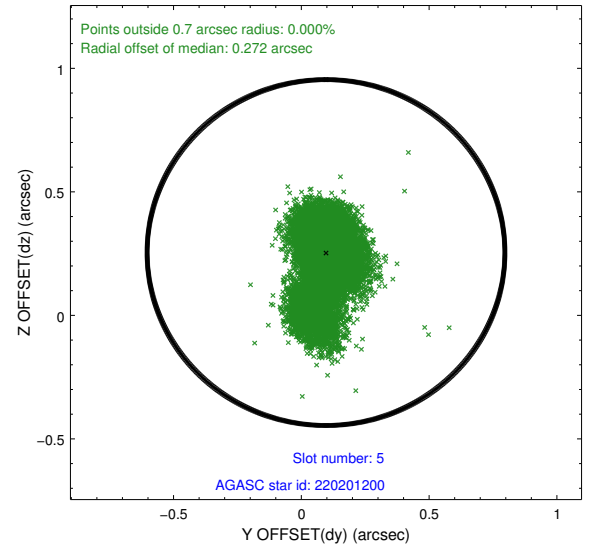
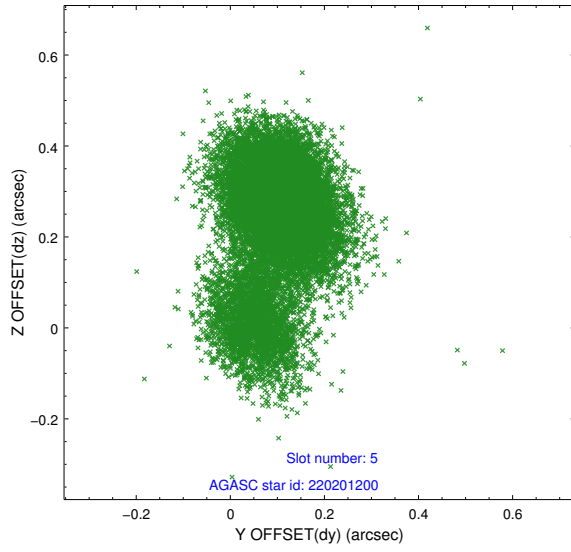
2.4.1 Slot 3



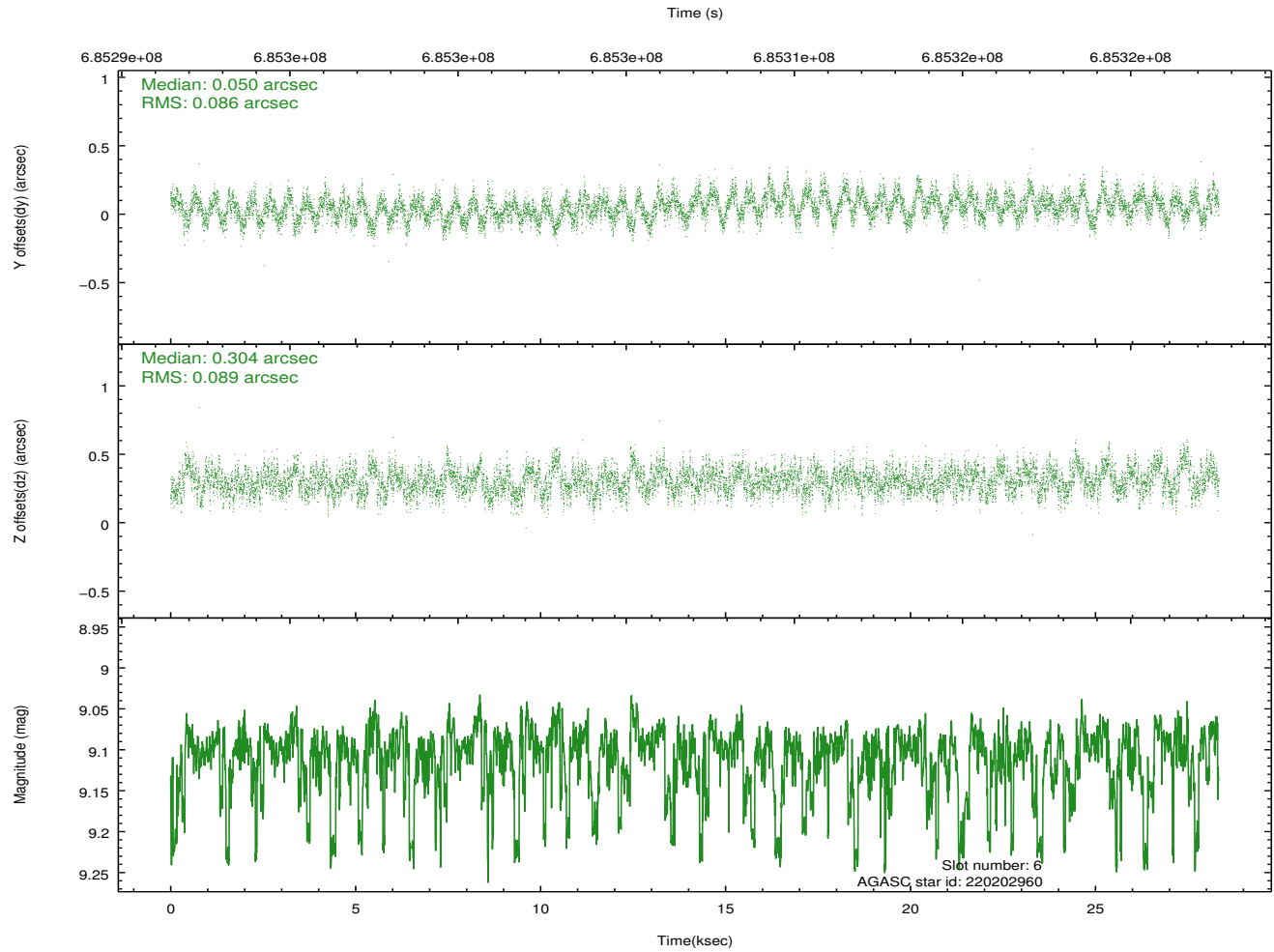
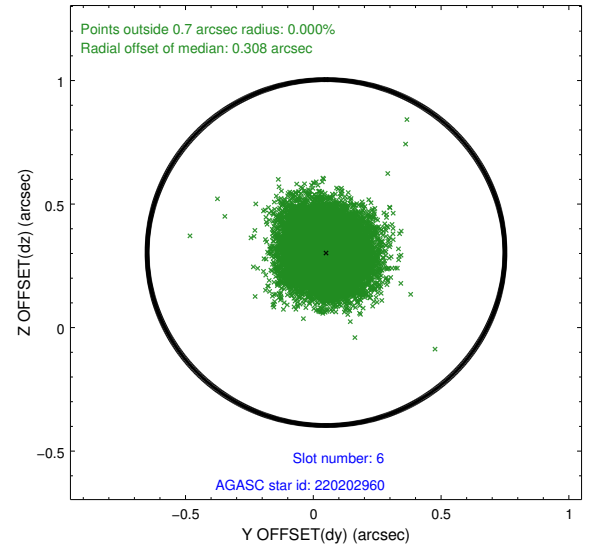
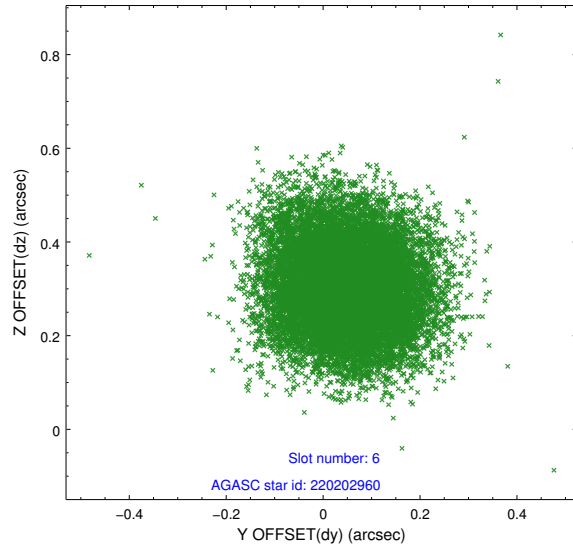
2.4.2 Slot 4



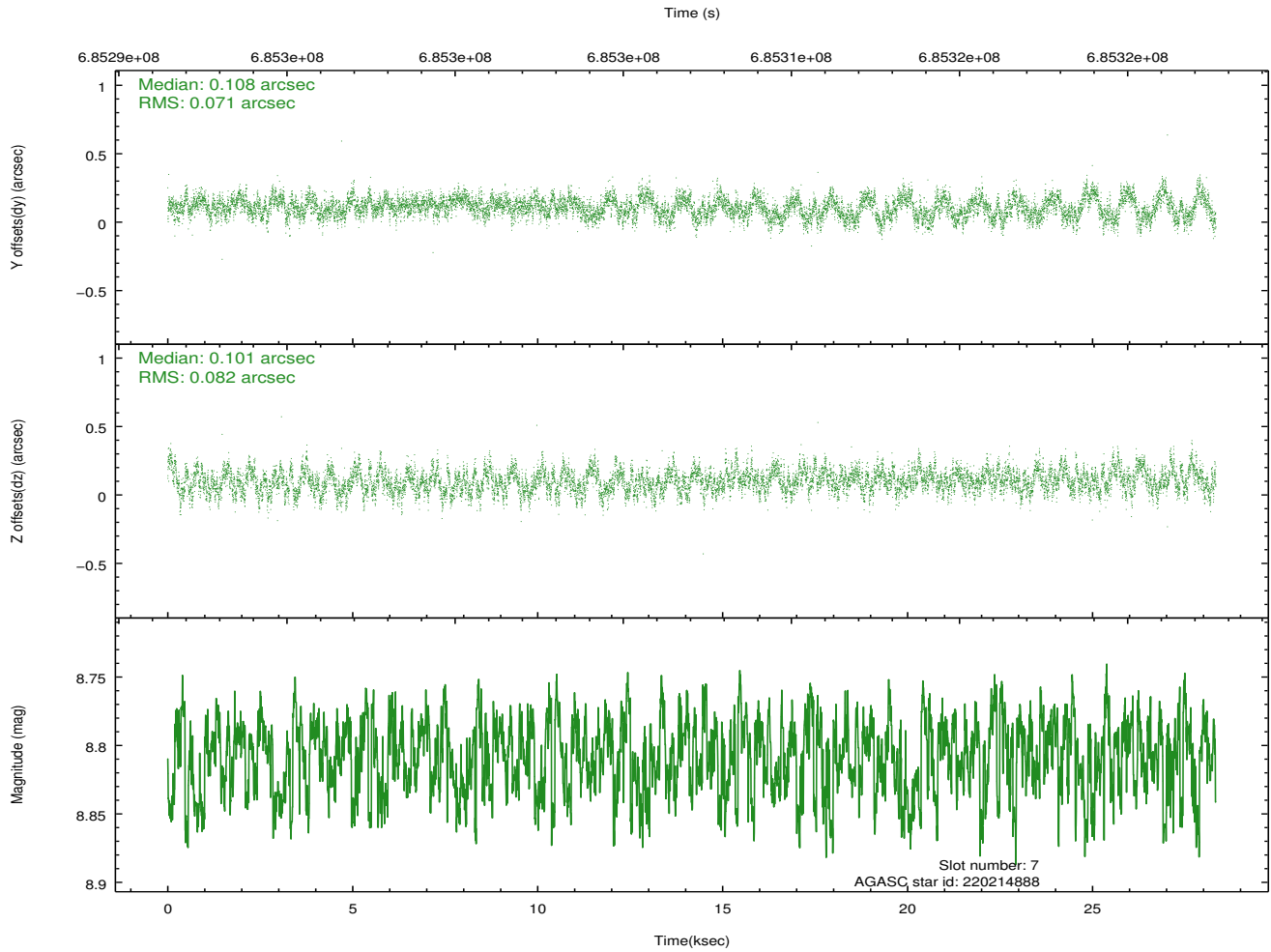
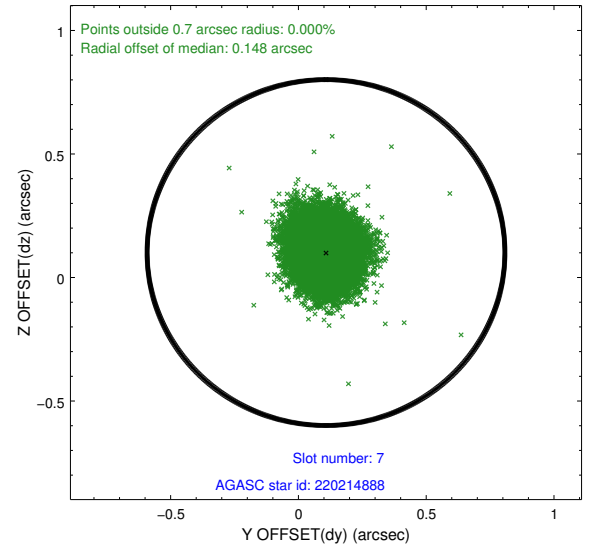
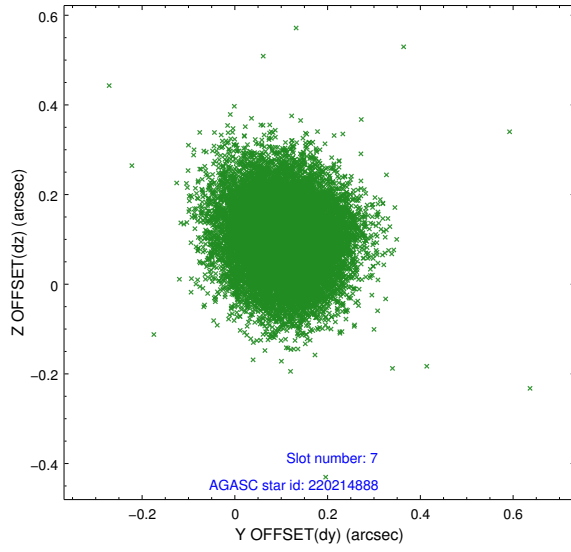
2.4.3 Slot 5



2.4.4 Slot 6

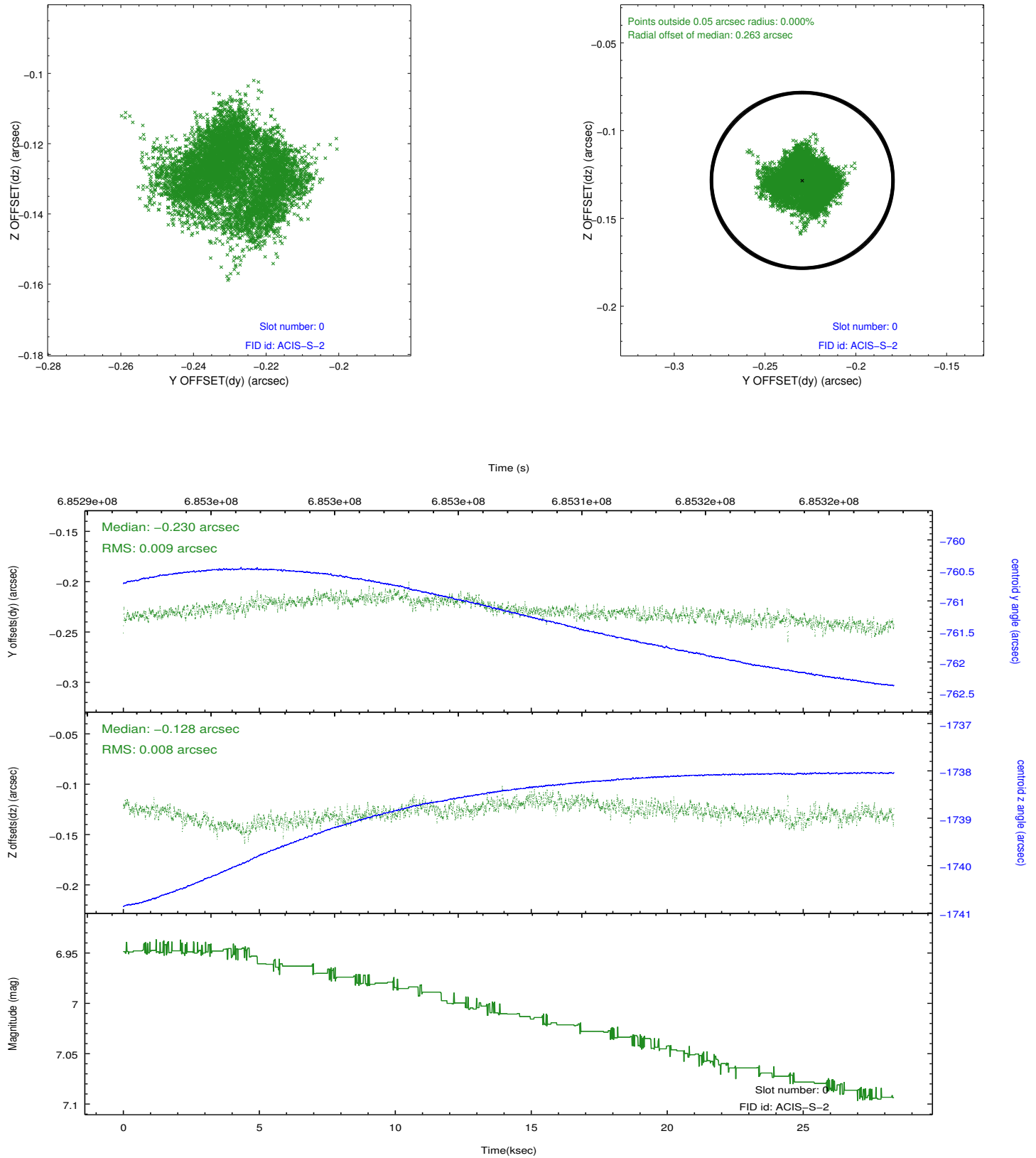


2.4.5 Slot 7

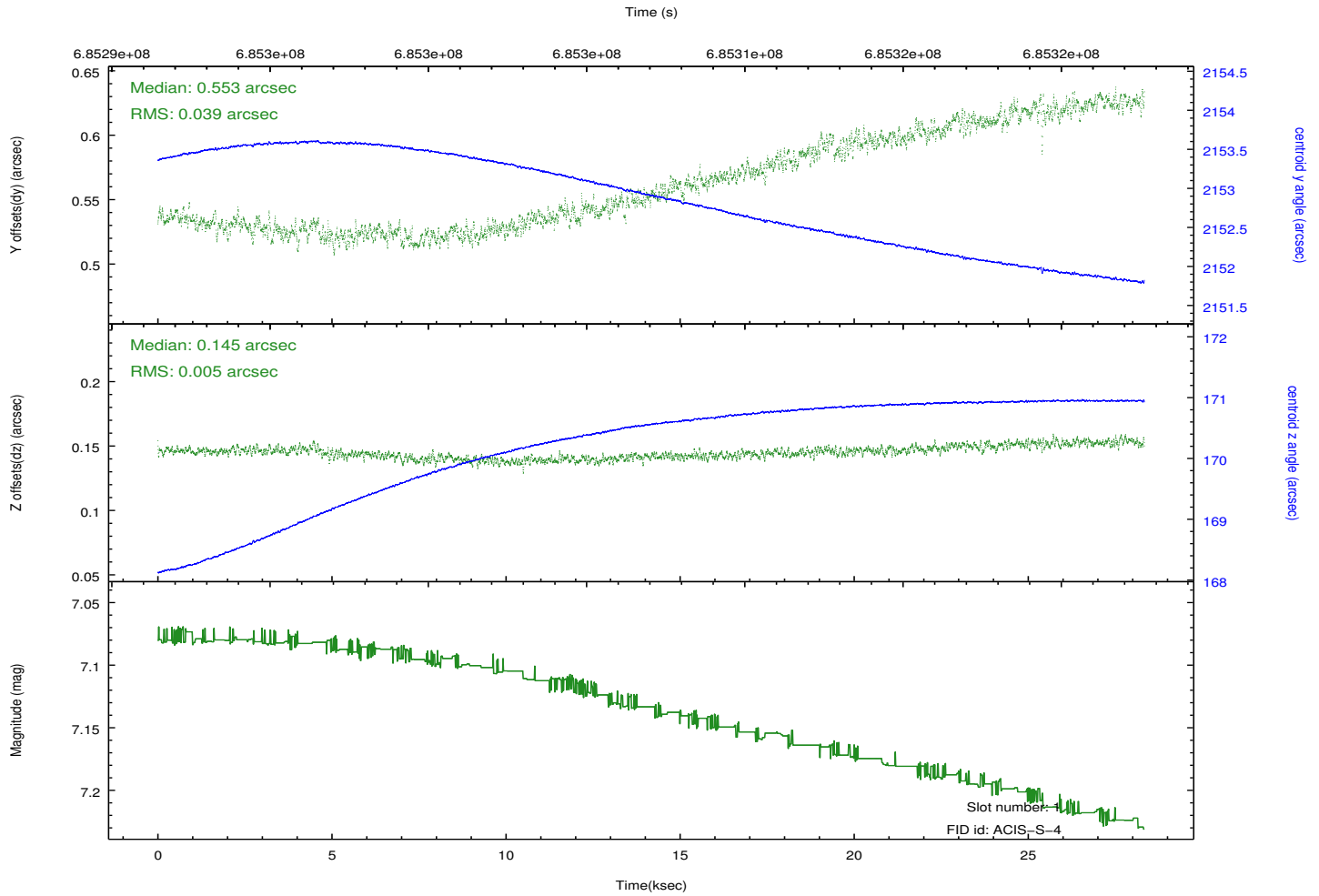
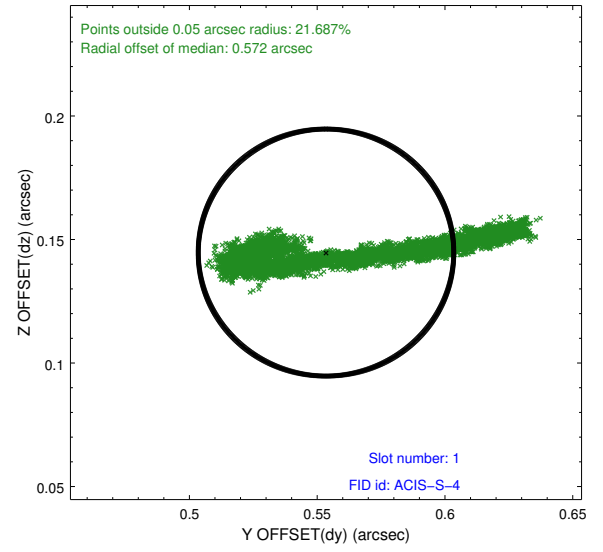
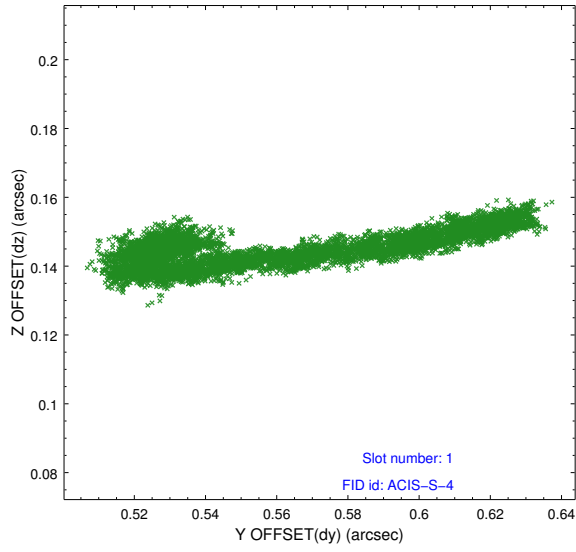


2.5 FID Slots

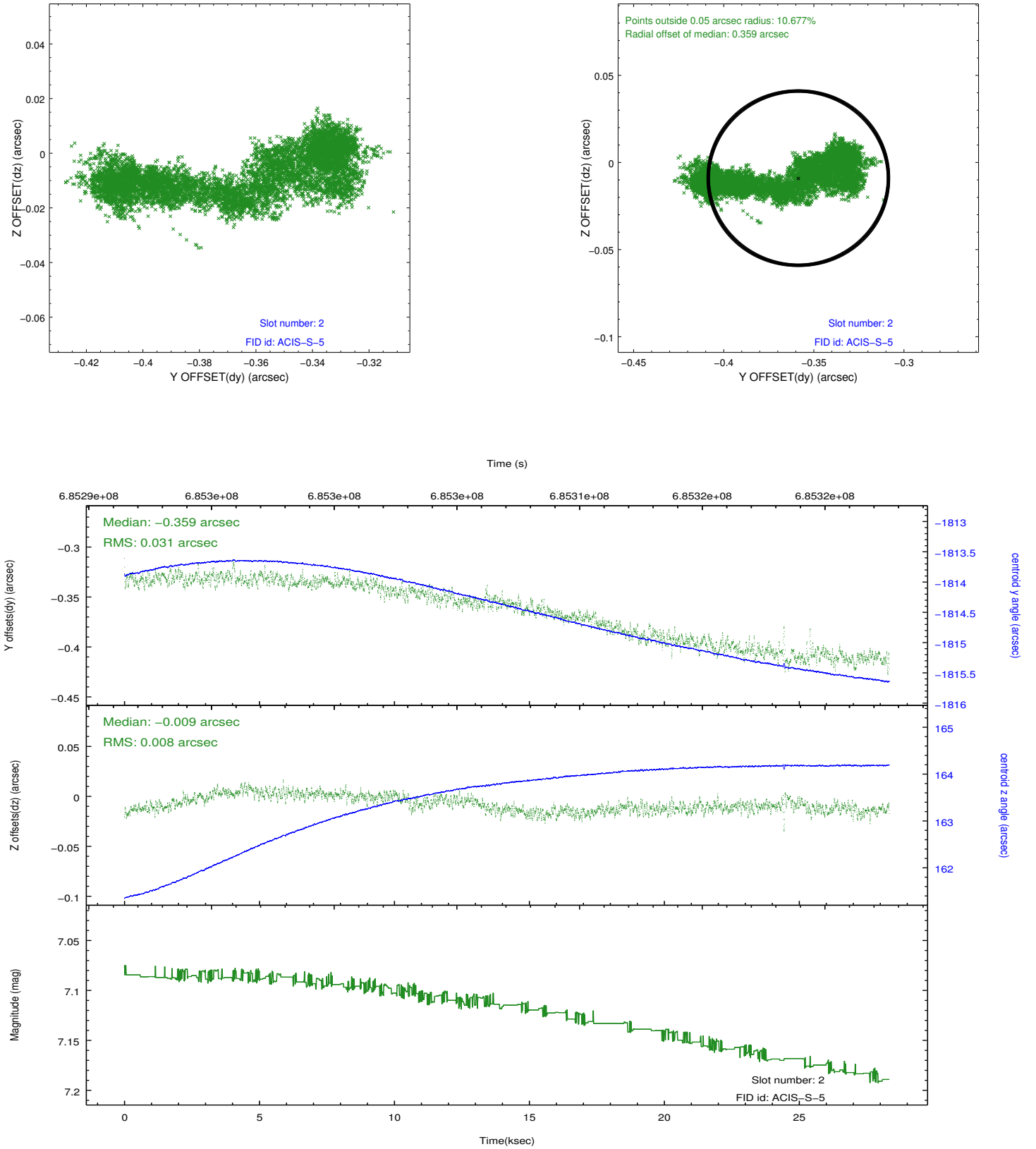
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.267620312214

A.2 Comments