

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21148 - L2 Version 1
Chandra X-Ray Center

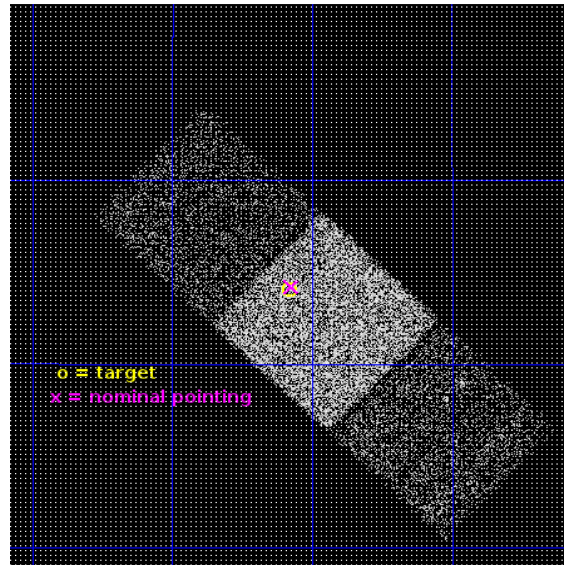
L2 Processing Date : Dec 19 2018

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1 Front

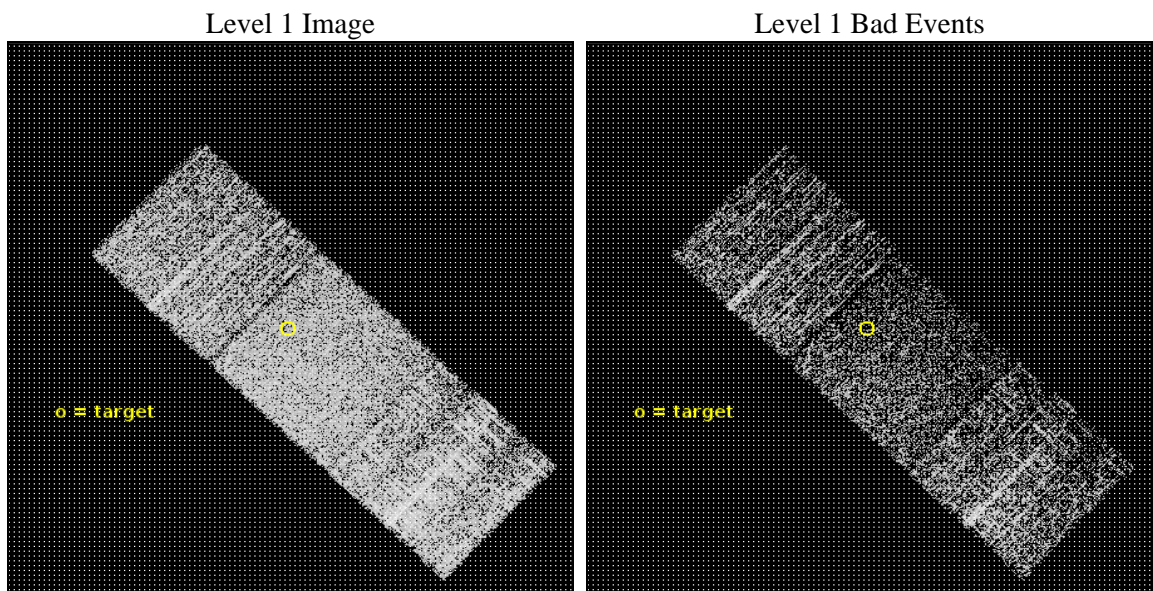
seq_num	703688	Sequence number
obs_id	21148	Observation id
title	A Chandra view of Eddington-limited accretion in DOGs	Proposal tit
observer	Dr. Gordon Garmire	Principal investigator
object	J1525+1234	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	231.27	Observer's specified target RA [deg]
dec_targ	12.567139	Observer's specified target Dec [deg]
ra_nom	231.26845531822	Nominal RA [deg]
dec_nom	12.570091600425	Nominal Dec [deg]
roll_nom	43.623607744221	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3512.300027132	Sum of GTIs [s]
livetime	3466.4092415599	Livetime [s]
ontime6	3512.300027132	Sum of GTIs [s]
ontime7	3512.300027132	Sum of GTIs [s]
ontime8	3512.2721751928	Sum of GTIs [s]
l2events	20371	Number of level 2 events



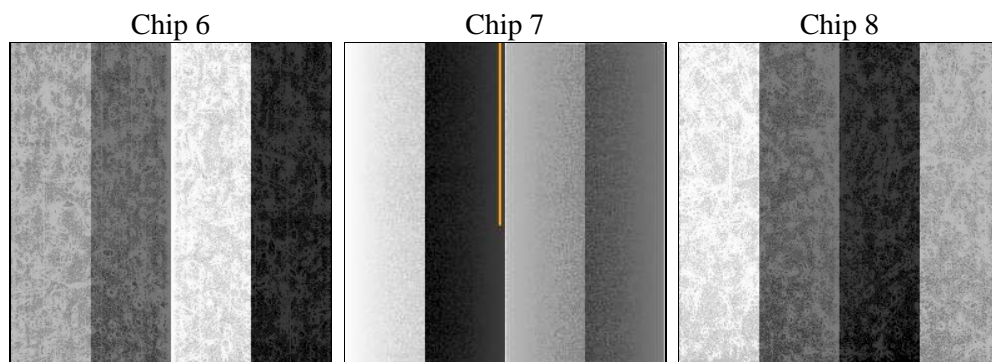
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3400.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	3512.300027132	Sum of GTIs [s]
caldsver	4.8.2	 	ontime6	3512.300027132	Sum of GTIs [s]
date	2018-12-19T06:00:16	Date and time of file creation	ontime7	3512.300027132	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3512.2721751928	Sum of GTIs [s]
			l1events	97615	Number of level 1 events

2.1.4 Events

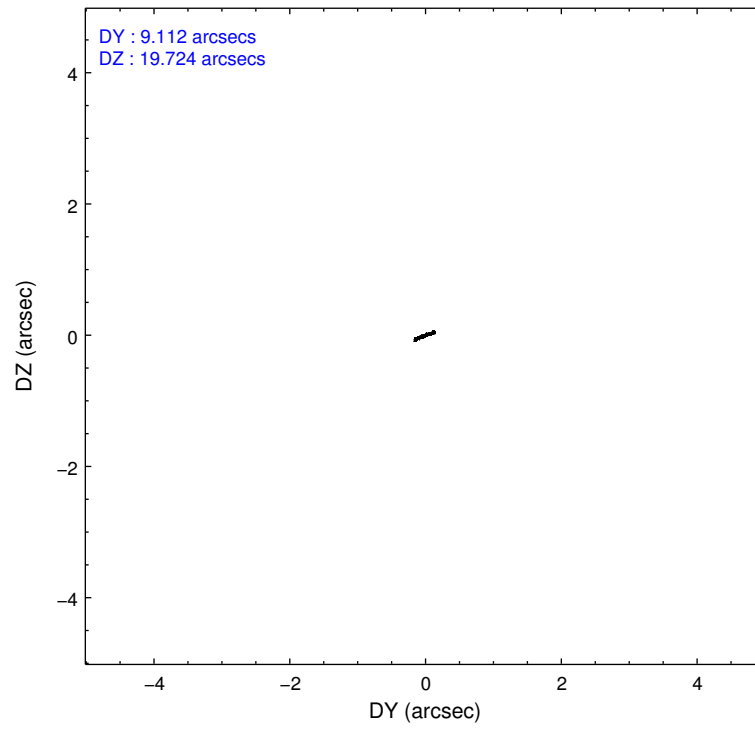
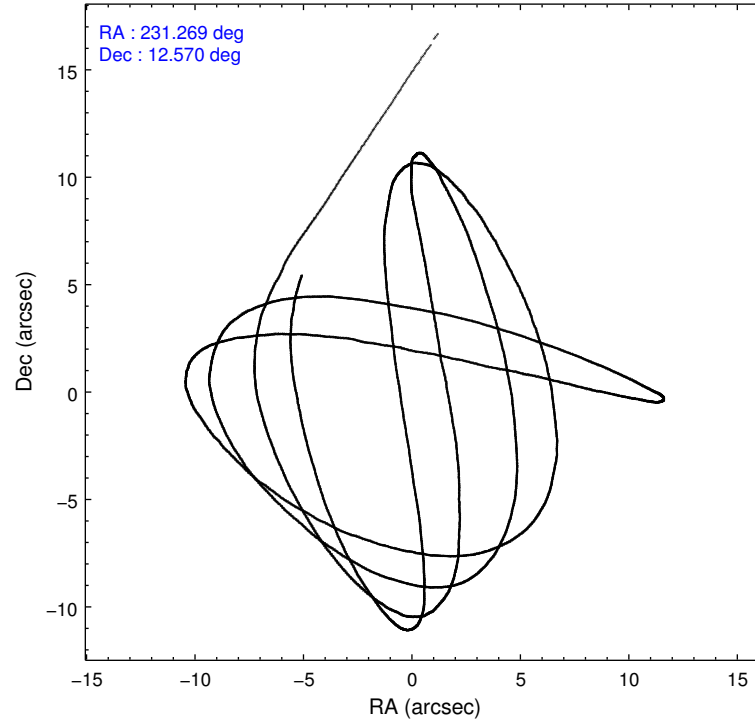
	ccd 6	ccd 7	ccd 8
level 1 events	26061	33775	37779
rejected events	23049	18929	26532
rejected %	88%	56%	70%

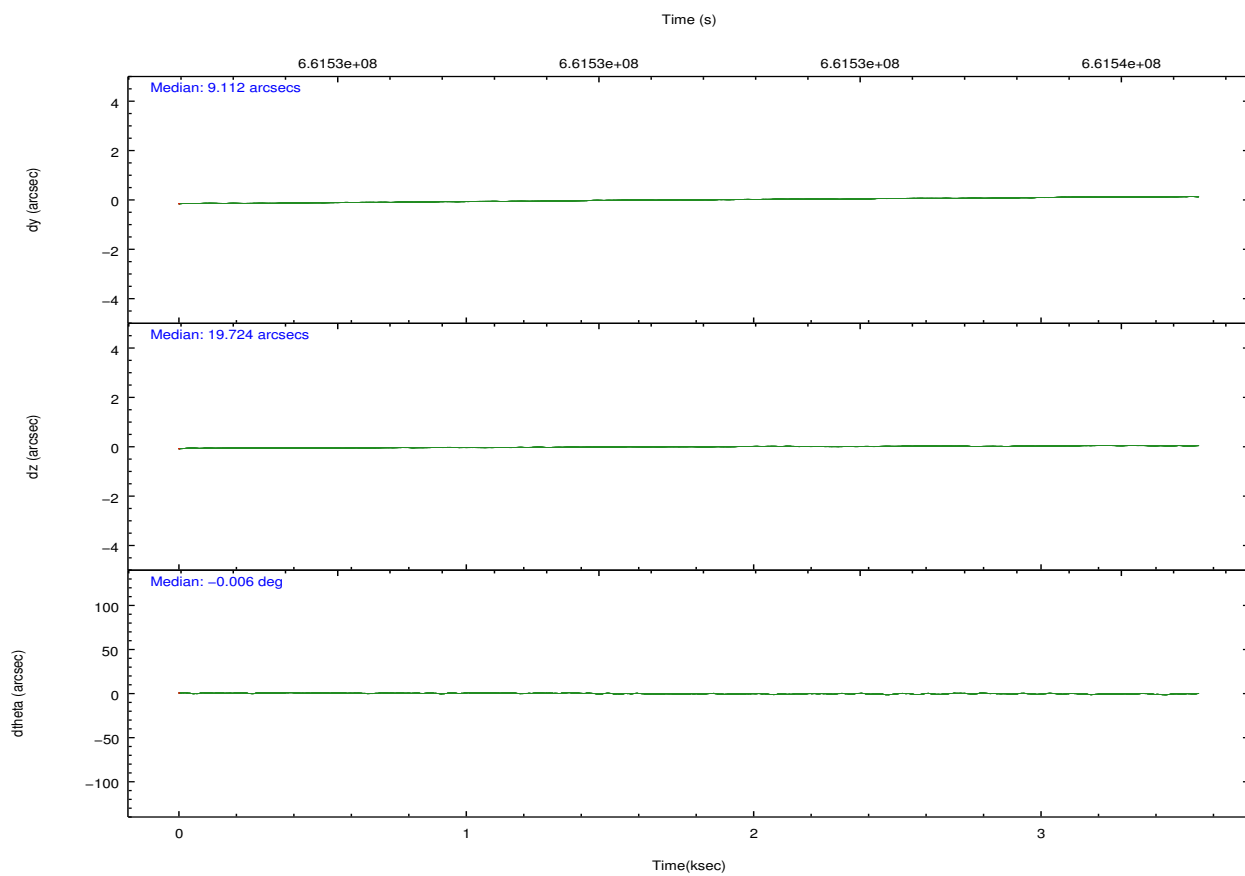
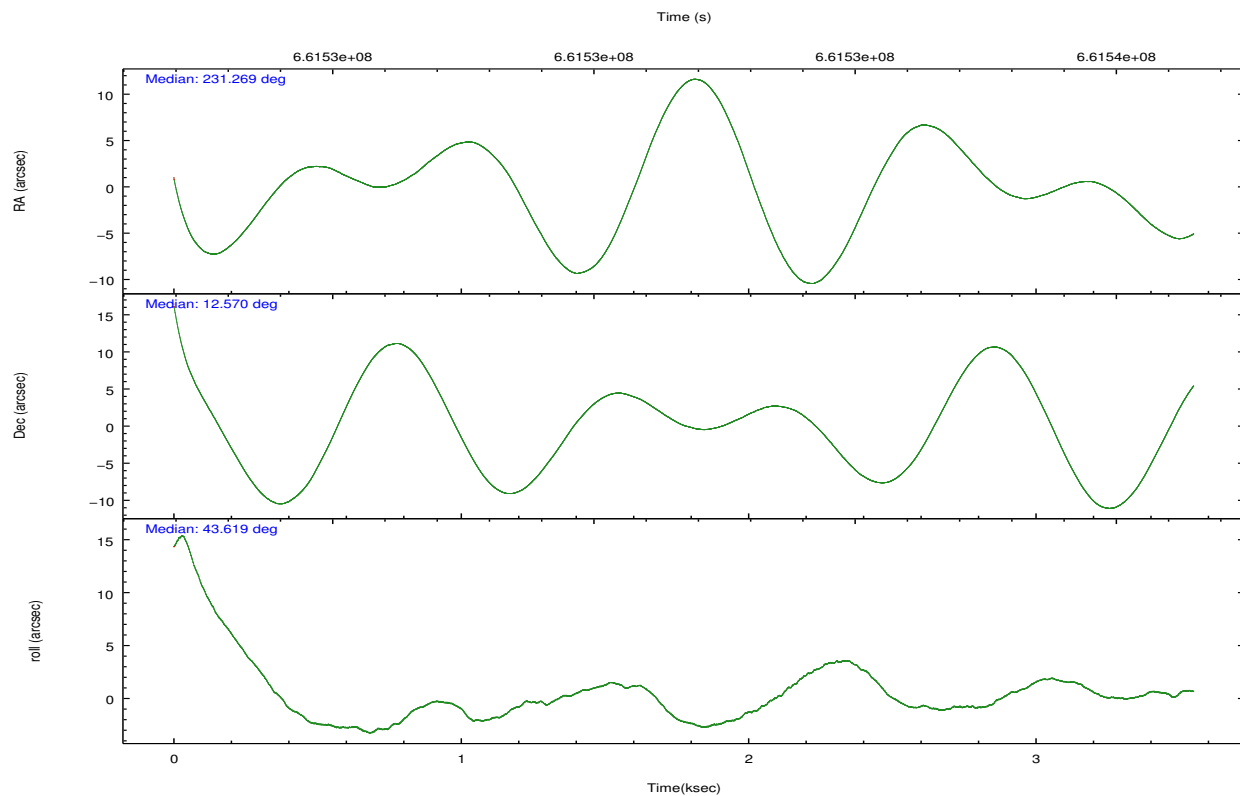
	ccd 6	ccd 7	ccd 8
grade 0 events	1026	1222	3189
	3%	3%	8%
grade 1 events	12	47	37
	0%	0%	0%
grade 2 events	690	3245	2680
	2%	9%	7%
grade 3 events	322	1136	1174
	1%	3%	3%
grade 4 events	280	1172	1141
	1%	3%	3%
grade 5 events	1216	3281	1945
	4%	9%	5%
grade 6 events	701	8094	3075
	2%	23%	8%
grade 7 events	21814	15578	24538
	83%	46%	64%

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	231.261024	231.2684553182249	Subarray requested	NONE	NONE
[deg] Pointing Dec	12.543763	12.57009160042512	Alternating exposures requested	N	N
[deg] Pointing Roll	43.468588	43.62360774422051	[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)	661531713.184000	661530282.89309			
Observation start date	2018-12-18T14:47:24	2018-12-18T14:24:42			
[s] Observation end time (MET)	661535113.184000	661536218.66845			
Observation end date	2018-12-18T15:44:04	2018-12-18T16:03:38			
Read mode	TIMED	TIMED			

2.3 Aspect



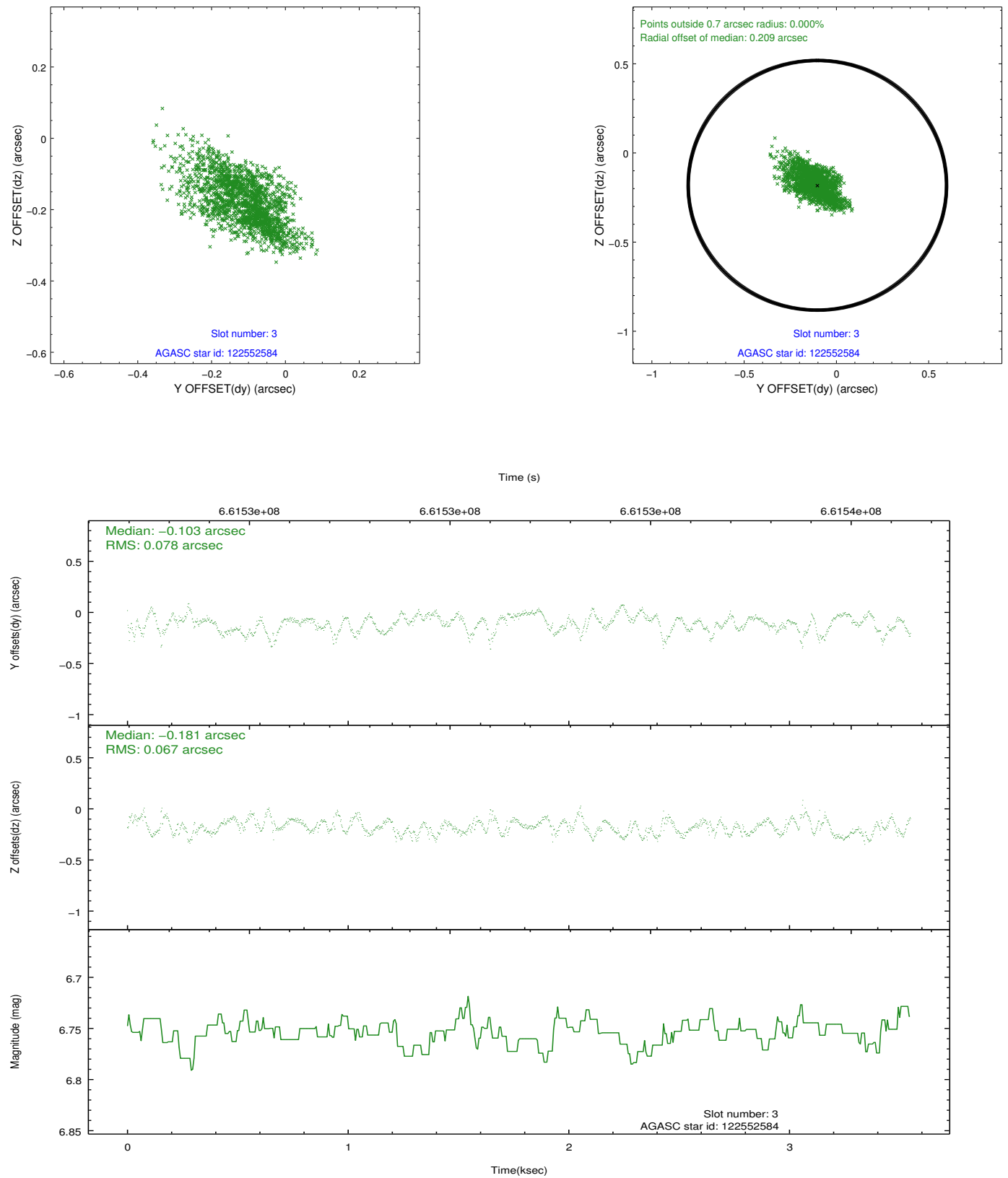


Slot Statistics

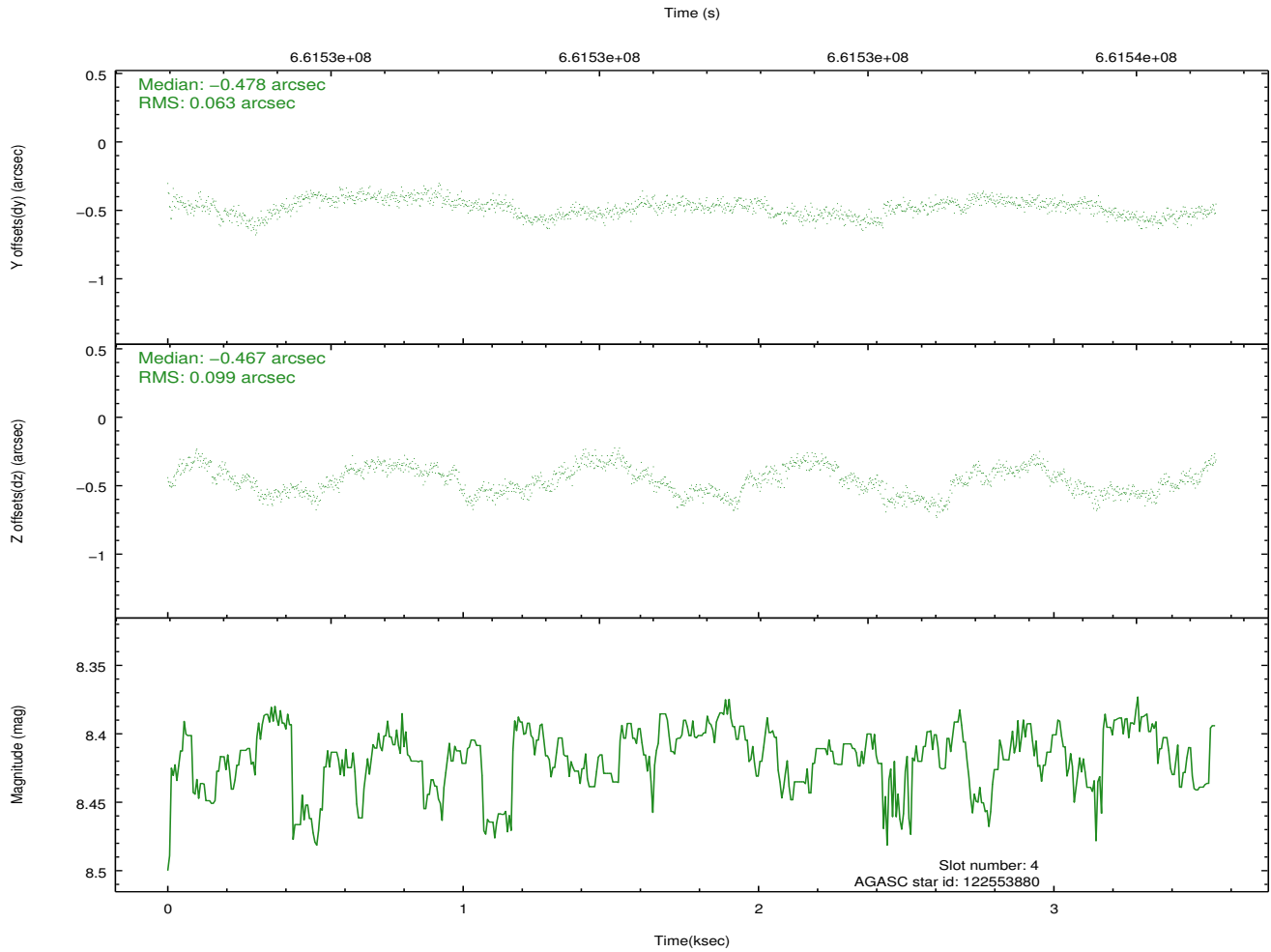
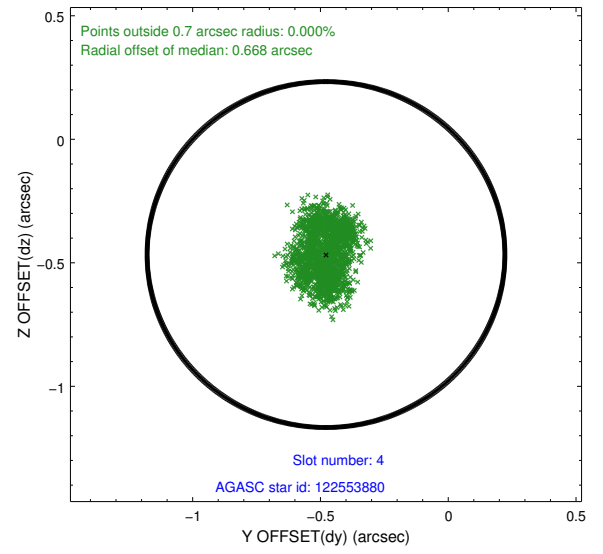
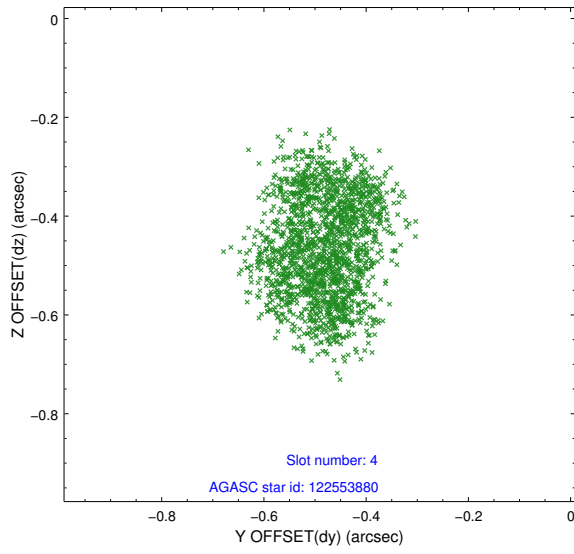
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.96	866	1.000	-0.275	-0.091	0.011	0.016	0.000000	0.000000	-762.13	-1741
1	FID		ACIS-S-4	7.09	866	1.000	0.592	0.157	0.009	0.016	0.000000	0.000000	2151.14	165
2	FID		ACIS-S-5	7.09	866	1.000	-0.349	-0.058	0.010	0.015	0.000000	0.000000	-1812.83	161
3	GUIDE	used	122552584	6.75	1732	1.000	-0.103	-0.181	0.104	0.184	230.596825	12.567522	-1632.34	1669
4	GUIDE	used	122553880	8.42	1732	1.000	-0.478	-0.467	0.131	0.187	231.098091	13.050700	840.28	1718
5	GUIDE	used	122558024	8.17	1730	1.000	-0.259	-0.412	0.091	0.151	231.553545	12.940766	1729.60	332
6	GUIDE	used	122558080	8.65	1732	1.000	0.497	0.639	0.142	0.221	231.192266	11.769655	-2090.62	-1854
7	GUIDE	used	122556000	8.88	1730	1.000	0.356	0.415	0.101	0.164	231.336016	12.167536	-740.55	-1164

2.4 Star Slots

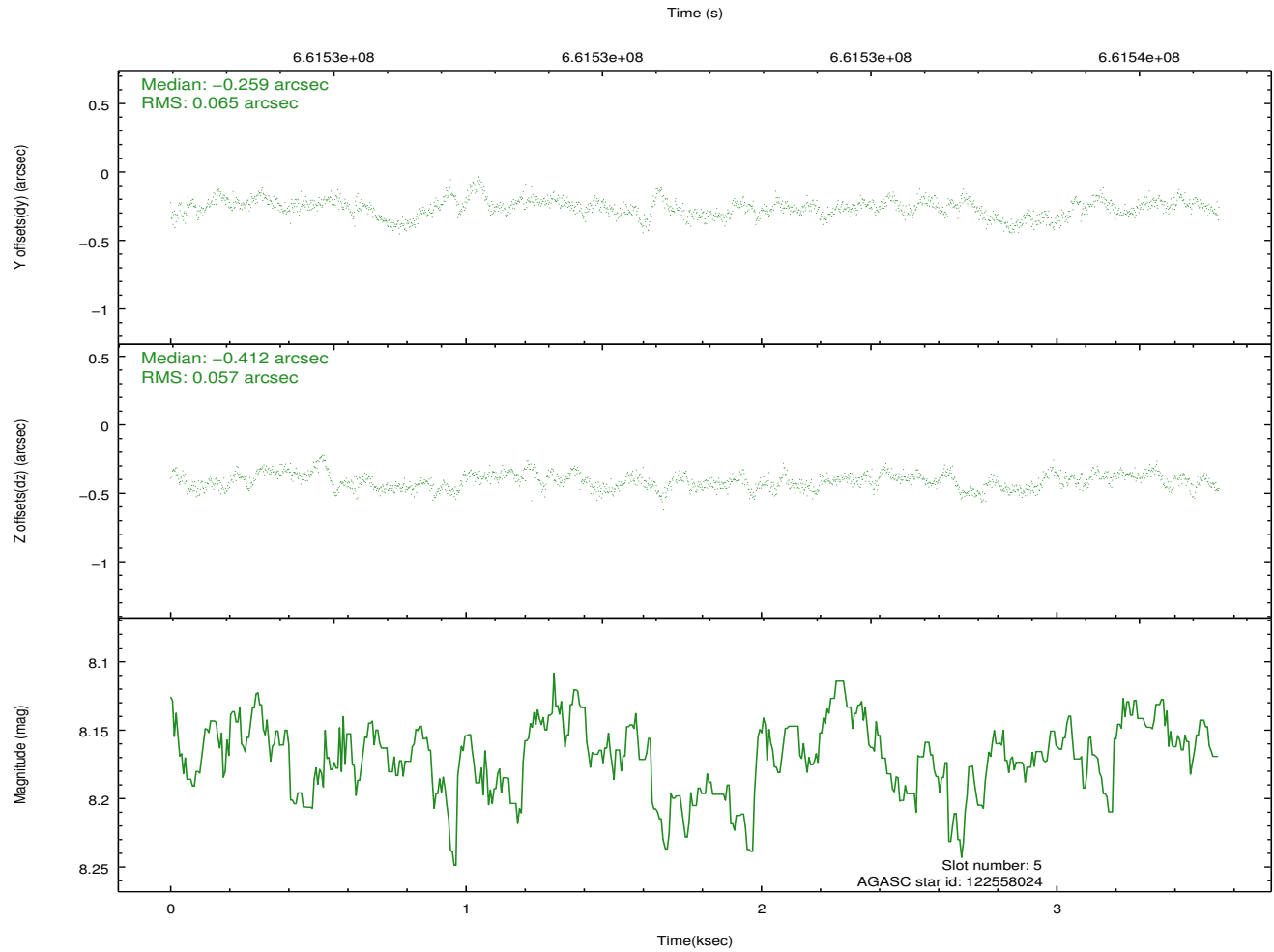
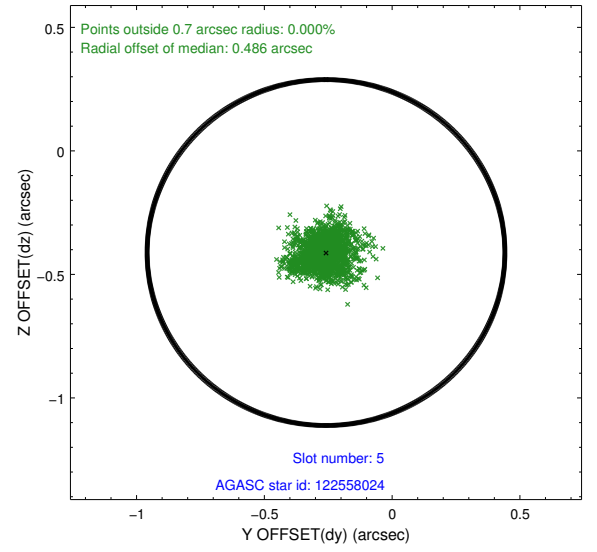
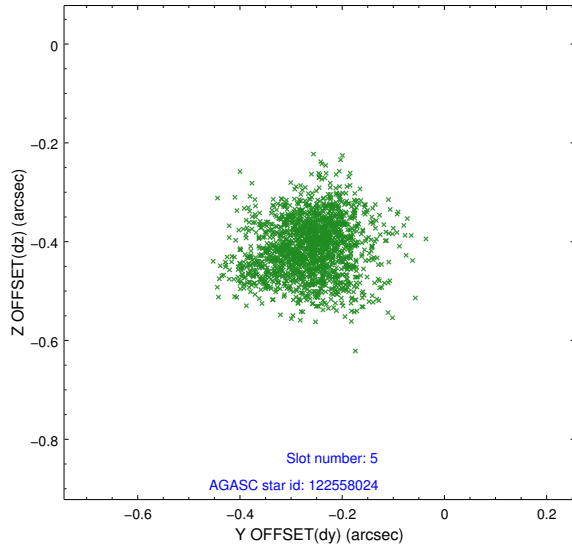
2.4.1 Slot 3



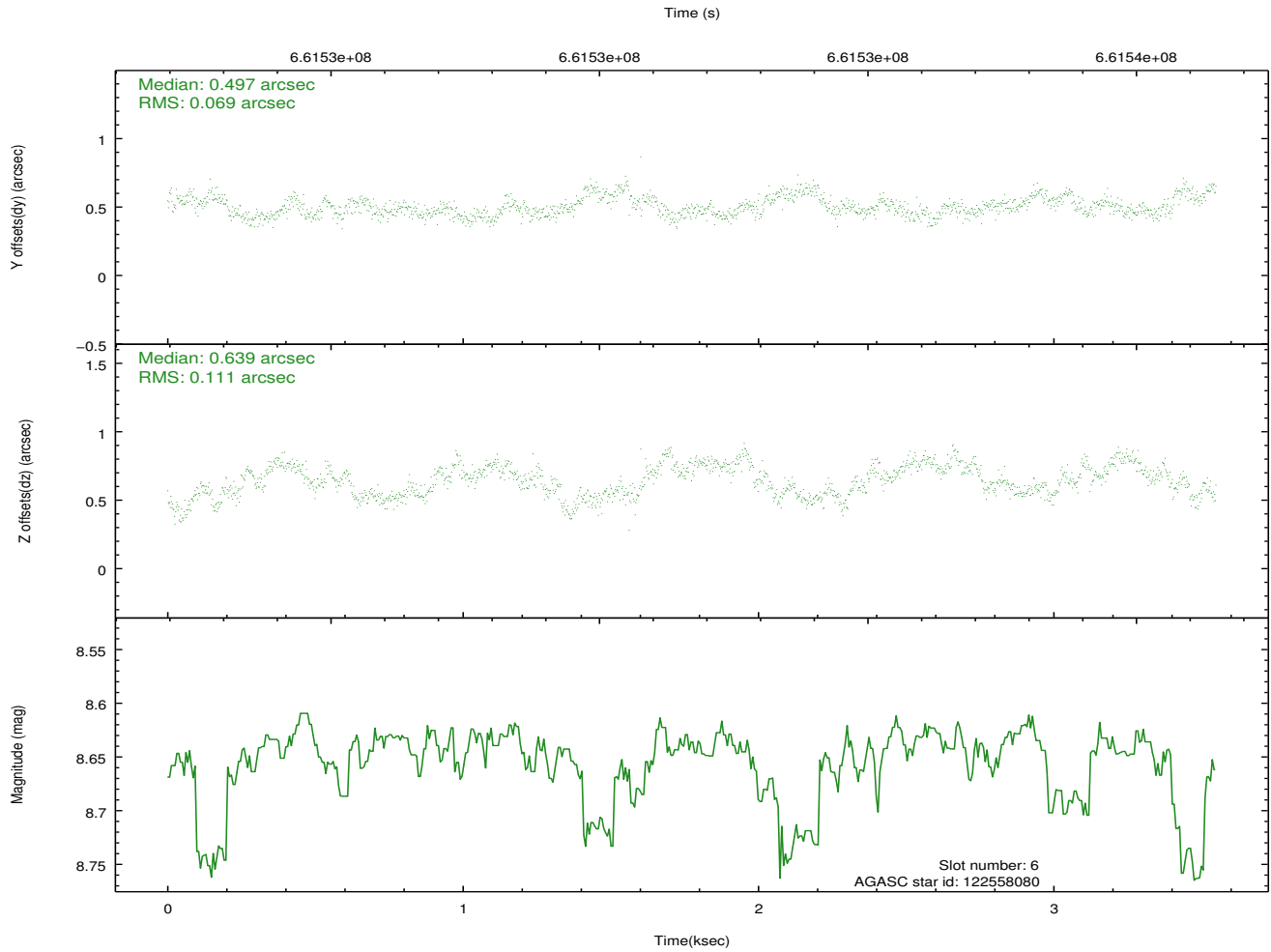
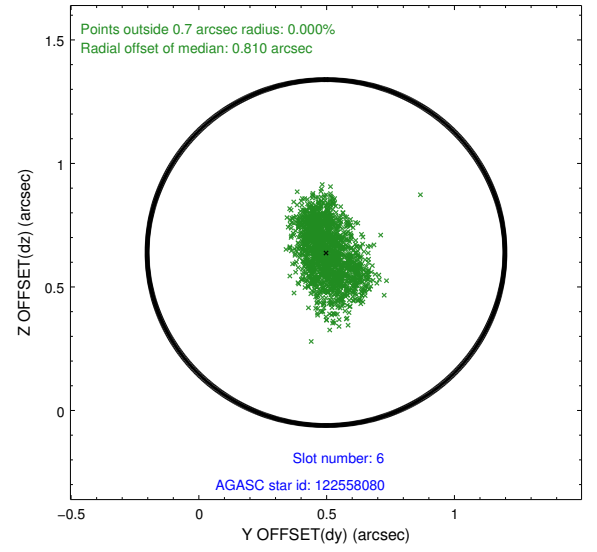
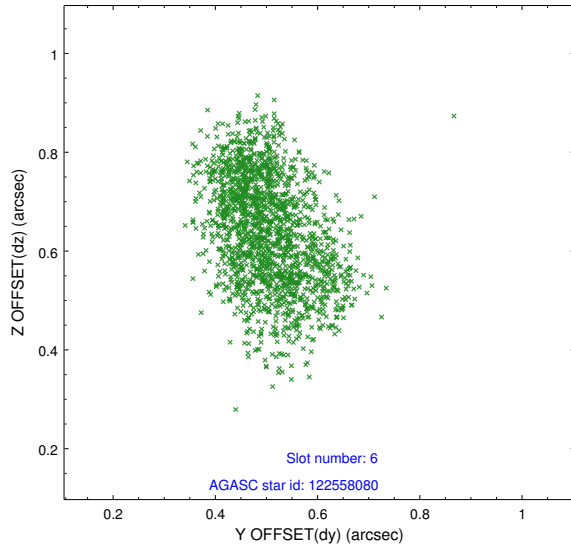
2.4.2 Slot 4



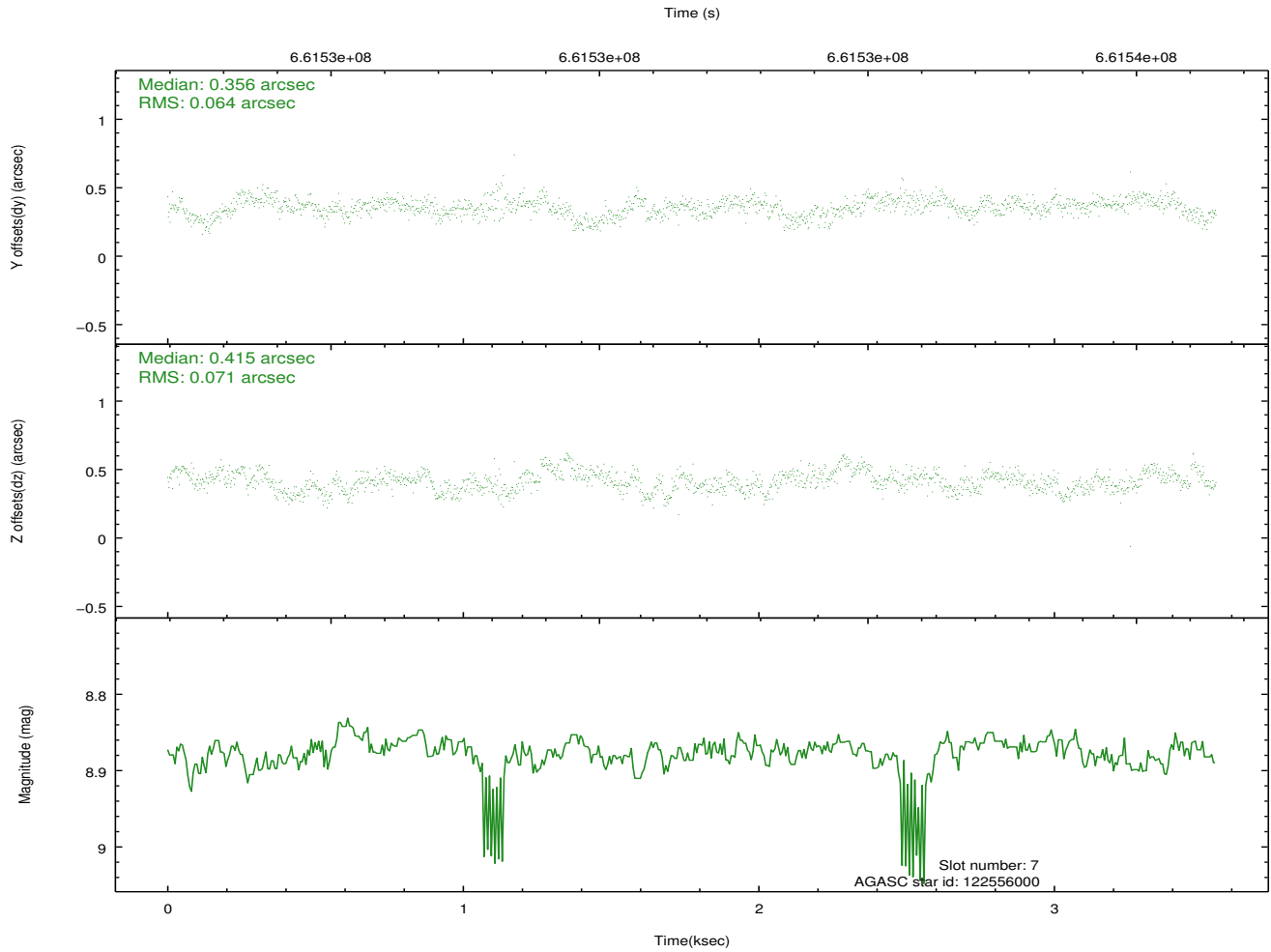
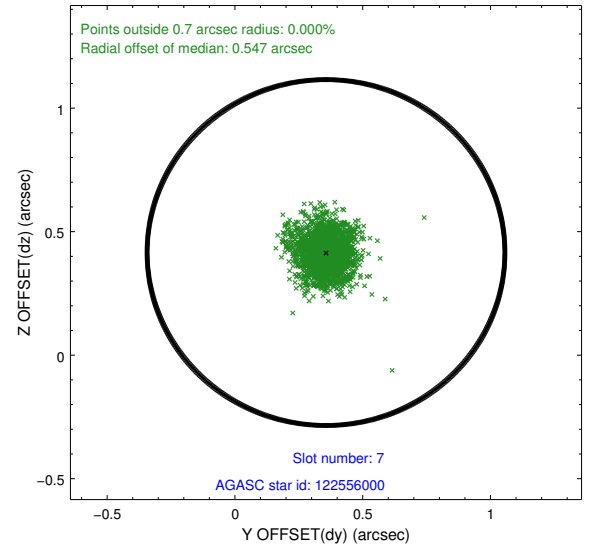
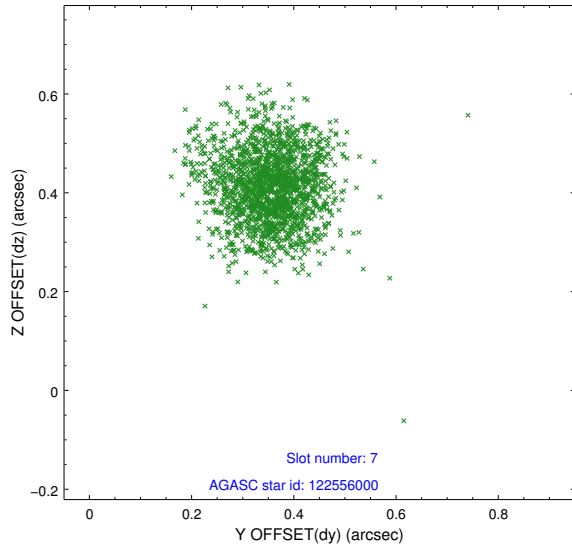
2.4.3 Slot 5



2.4.4 Slot 6

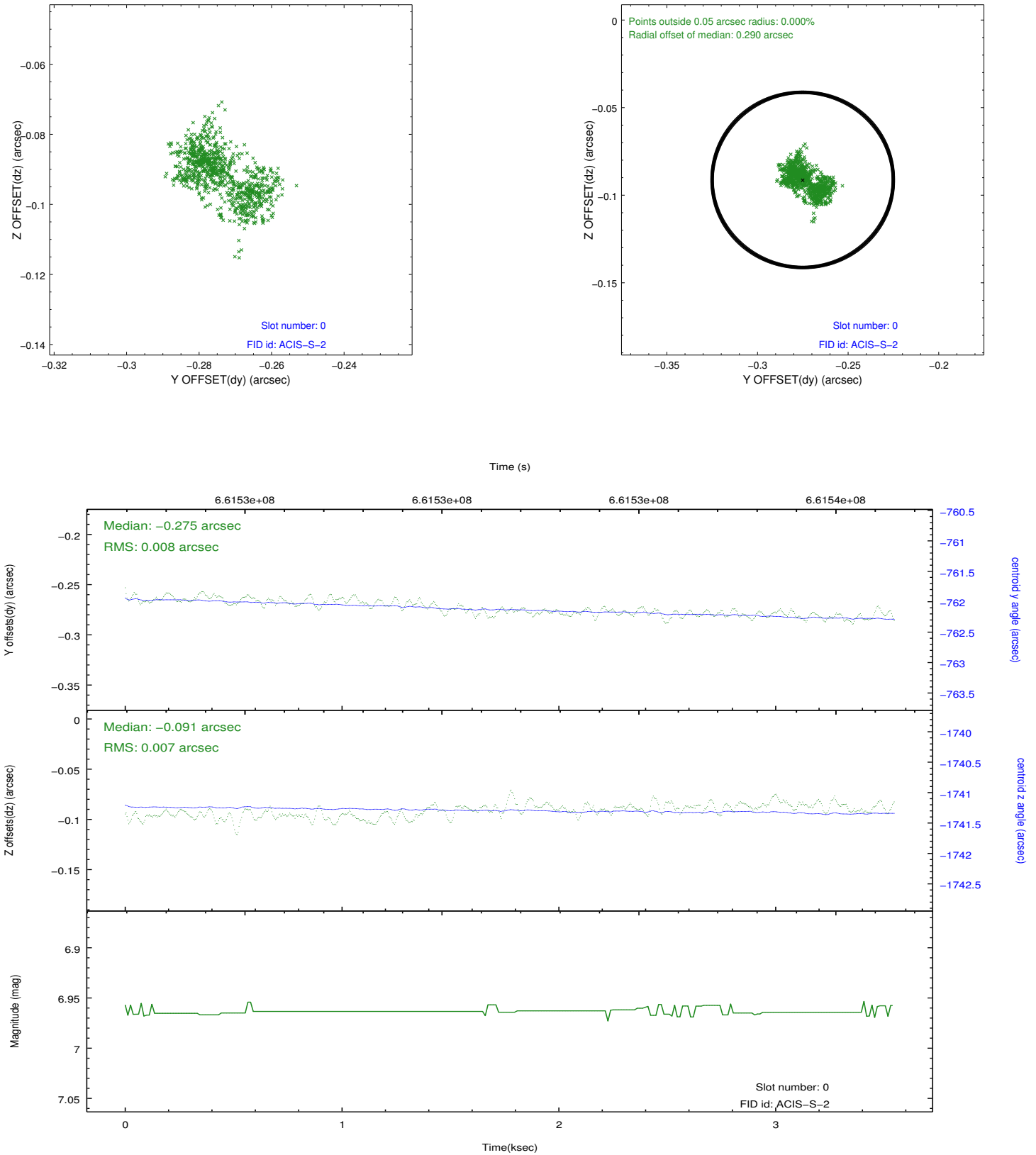


2.4.5 Slot 7

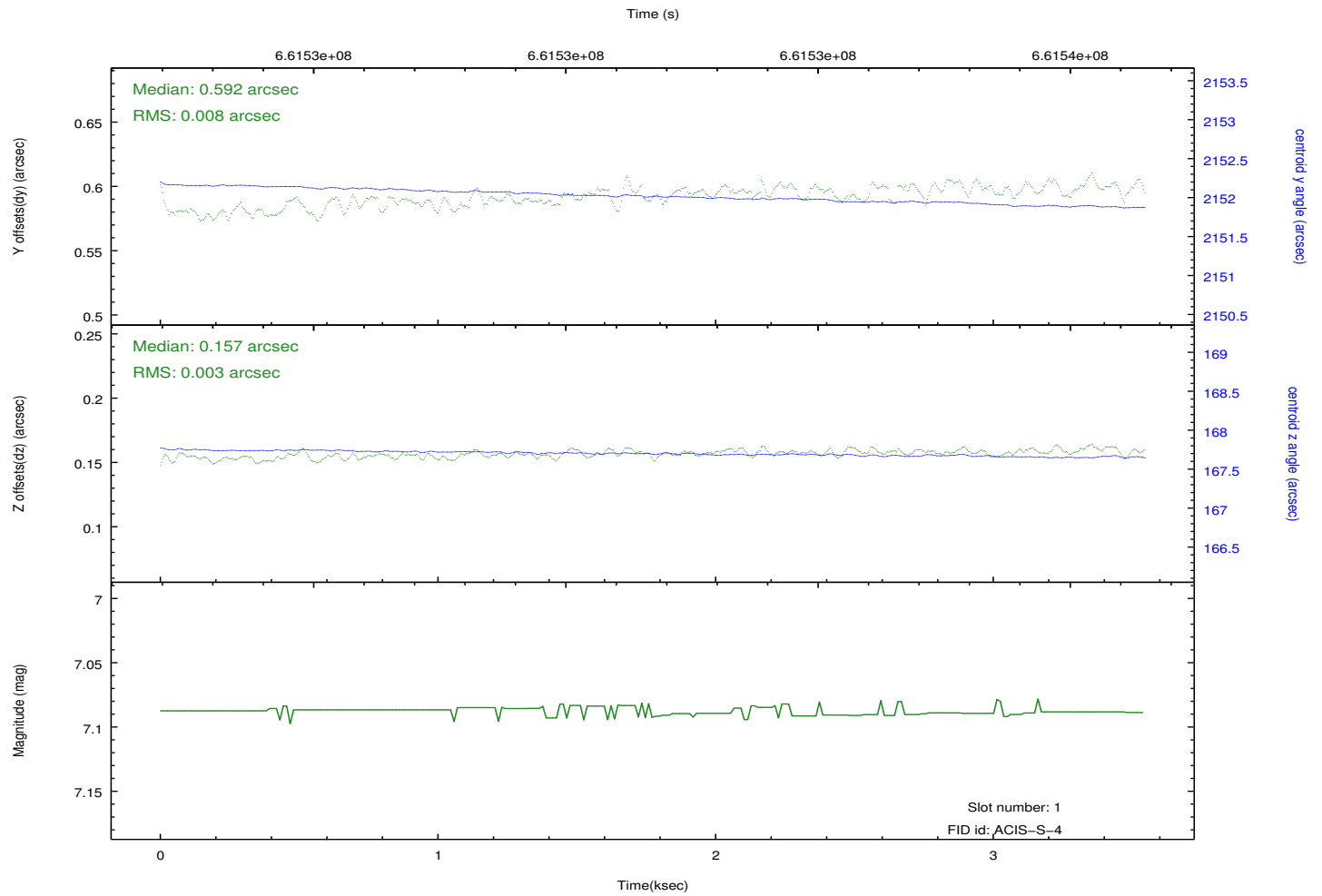
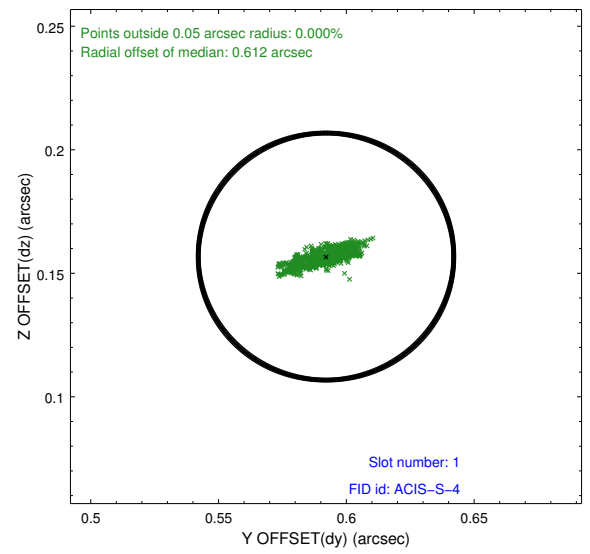
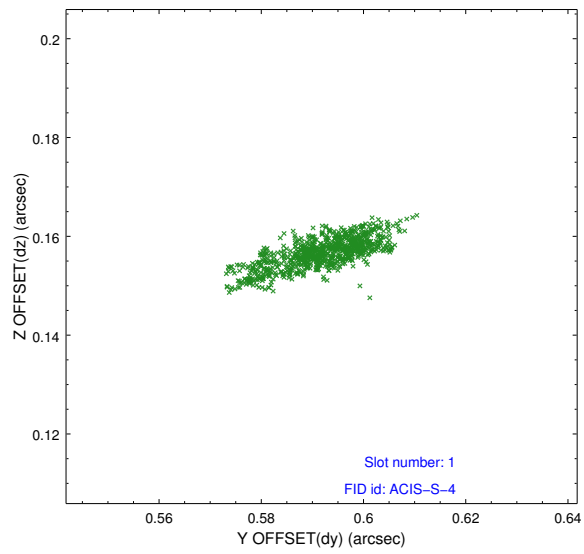


2.5 FID Slots

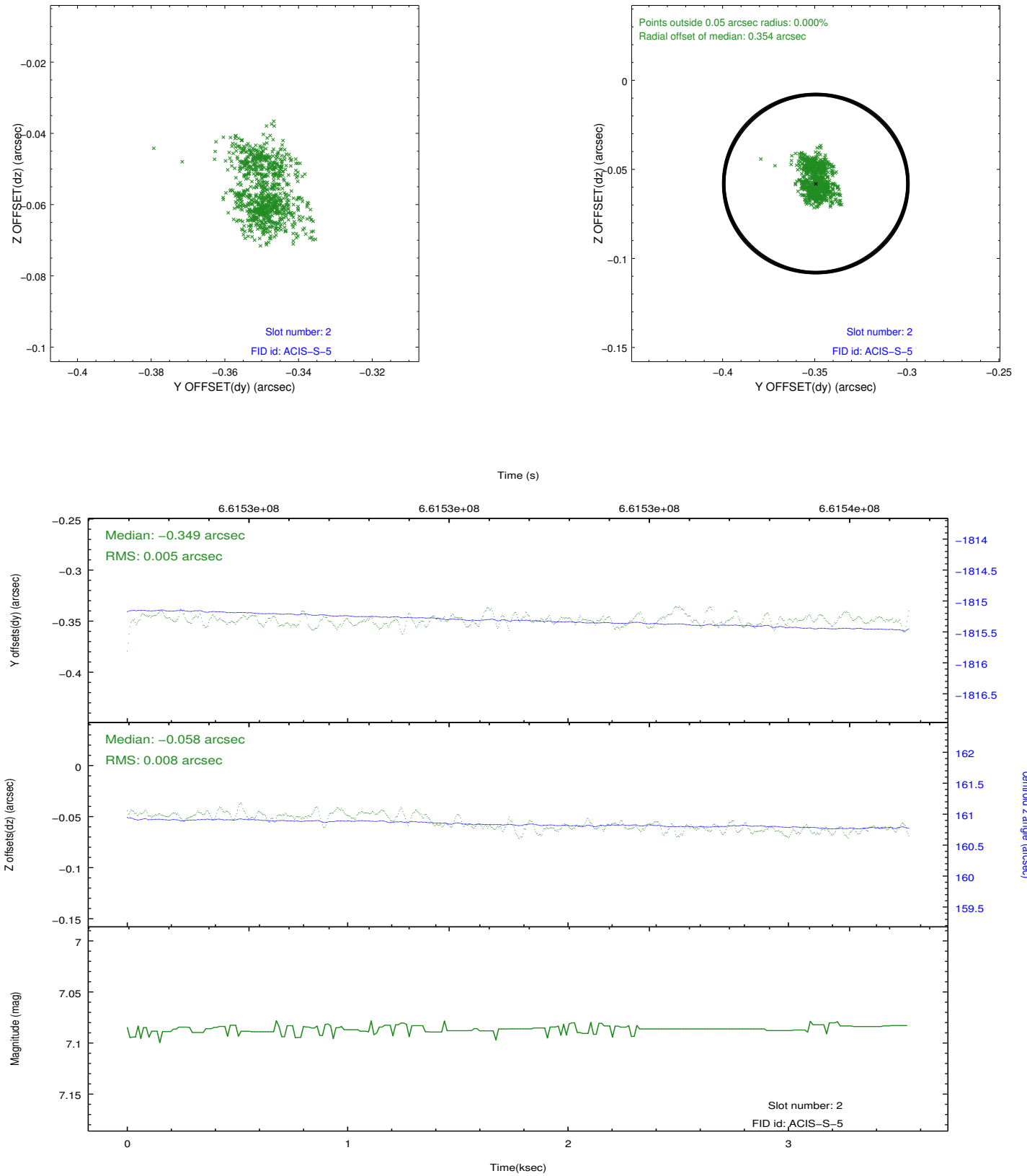
2.5.1 Slot 0



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)	2018.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.512300027132

A.2 Comments