

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21696 - L2 Version 1
Chandra X-Ray Center

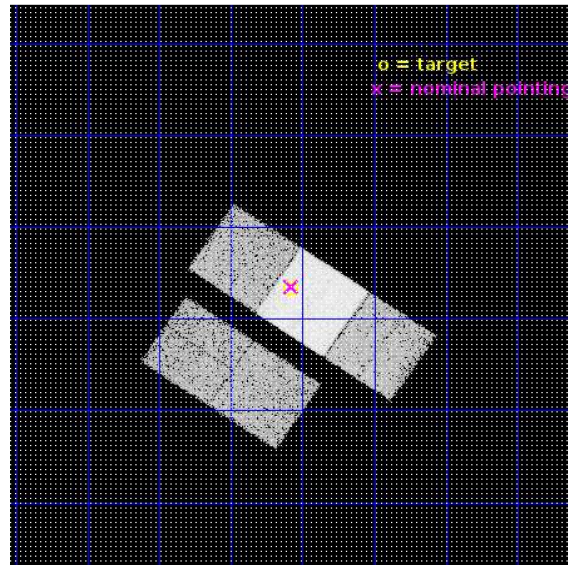
L2 Processing Date : Jan 11 2019

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1 Front

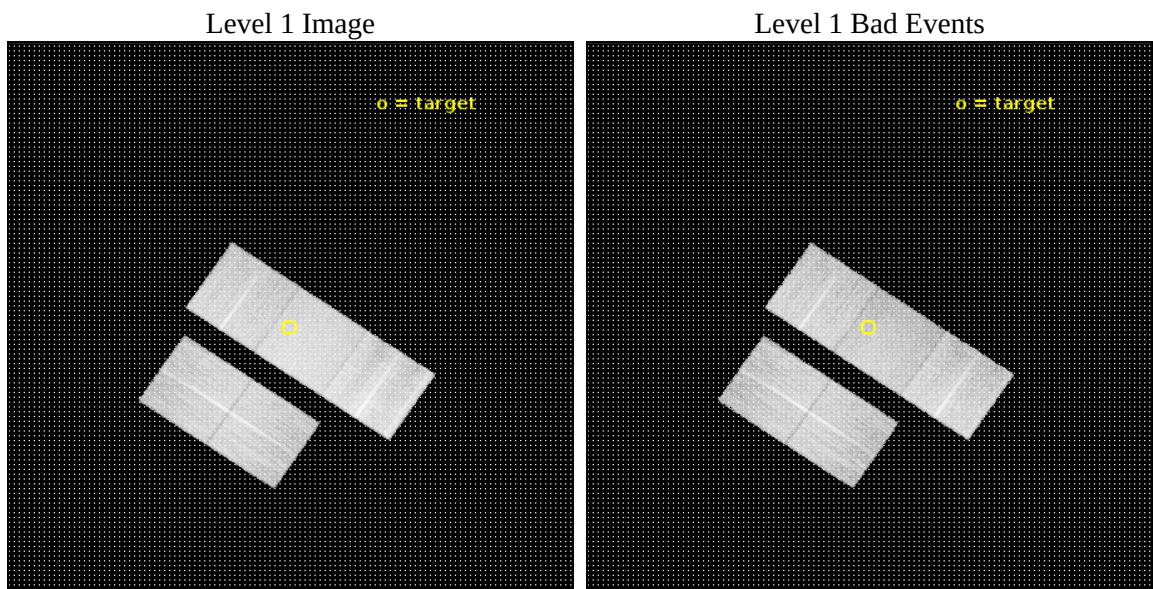
seq_num	703824	Sequence number
obs_id	21696	Observation id
title	A Expanded Chandra Survey of Nearby Optical AGN Candidates in Dwarf Galaxies	Proposal title
observer	Ralph Kraft	Principal investigator
object	CGCG 032-017	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	125.895	Observer's specified target RA [deg]
dec_targ	3.221	Observer's specified target Dec [deg]
ra_nom	125.89467567814	Nominal RA [deg]
dec_nom	3.225208373788	Nominal Dec [deg]
roll_nom	34.104403506468	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15059.139441252	Sum of GTIs [s]
livetime	14862.380698075	Livetime [s]
ontime2	15058.975281239	Sum of GTIs [s]
ontime3	15055.916321039	Sum of GTIs [s]
ontime6	15055.957361221	Sum of GTIs [s]
ontime7	15059.139441252	Sum of GTIs [s]
ontime8	15059.016321301	Sum of GTIs [s]
l2events	105984	Number of level 2 events



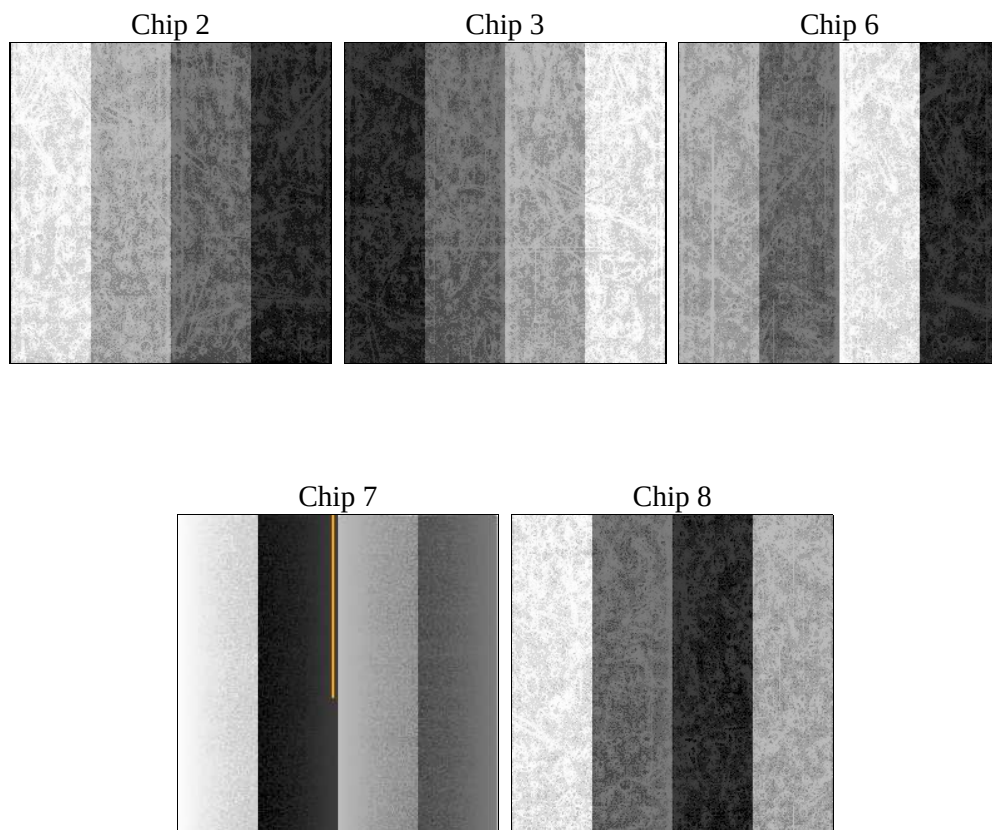
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	15059.139441252	Sum of GTIs [s]
caldsver	4.8.2	 	ontime2	15058.975281239	Sum of GTIs [s]
date	2019-01-11T21:27:10	Date and time of file creation	ontime3	15055.916321039	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	15055.957361221	Sum of GTIs [s]
			ontime7	15059.139441252	Sum of GTIs [s]
			ontime8	15059.016321301	Sum of GTIs [s]
			l1events	631707	Number of level 1 events

2.1.4 Events

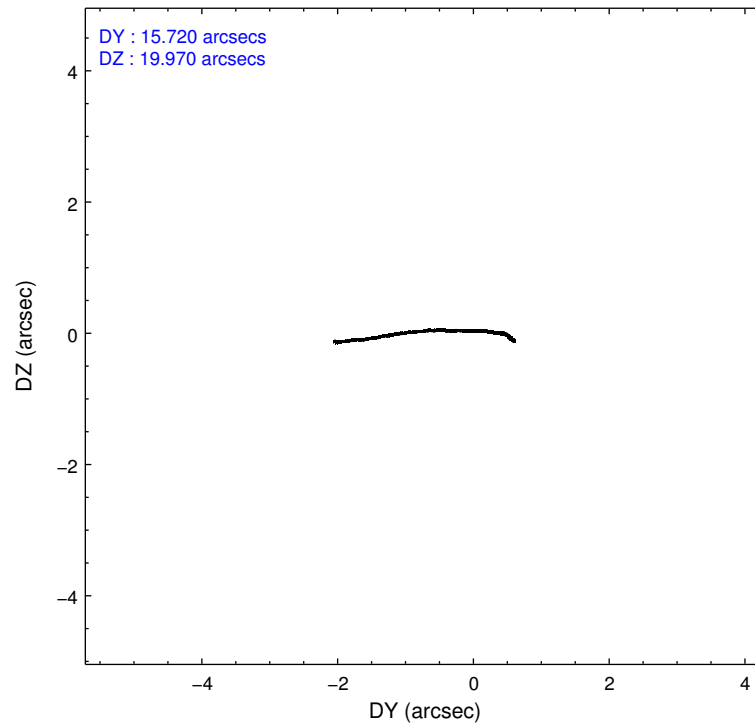
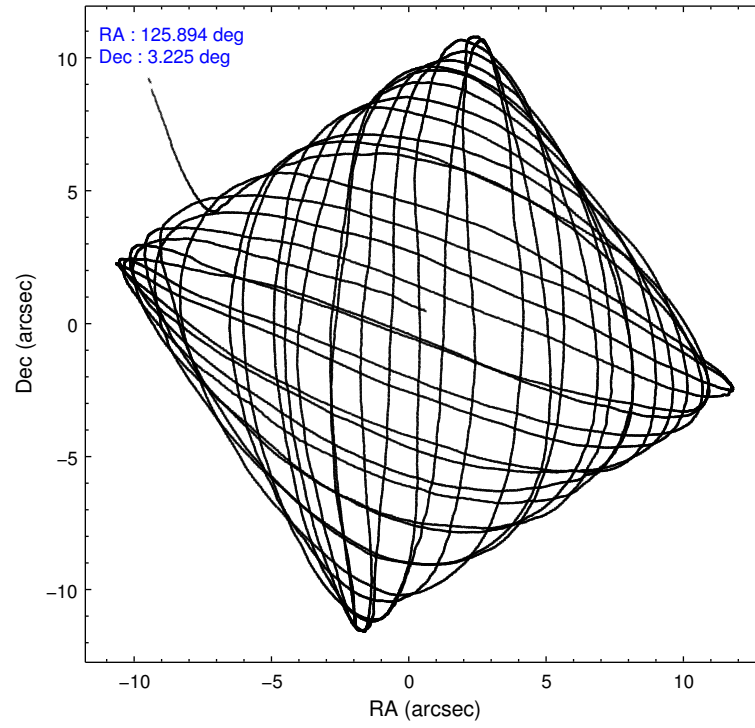
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	110540	109839	114470	144715	152143
rejected events	98358	98137	101737	82057	111681
rejected %	88%	89%	88%	56%	73%

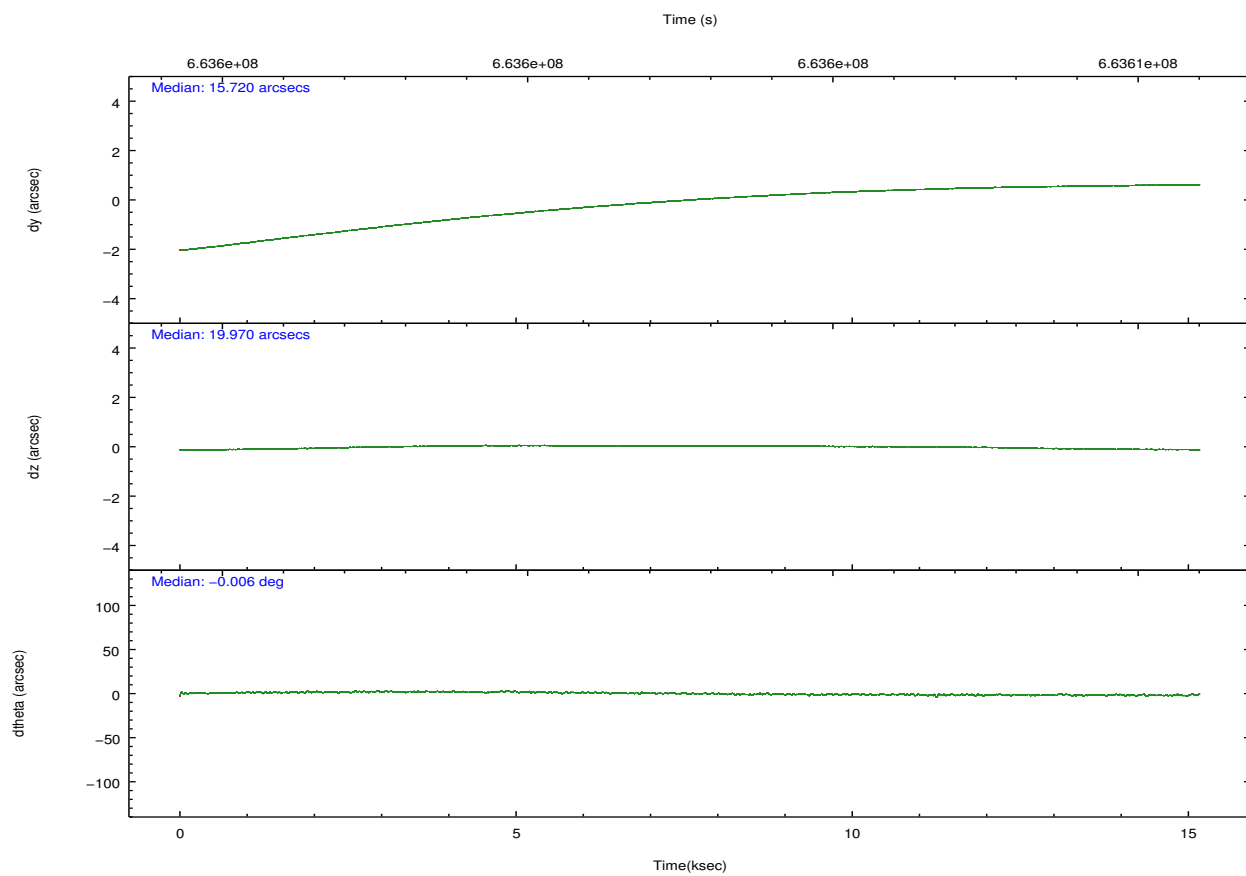
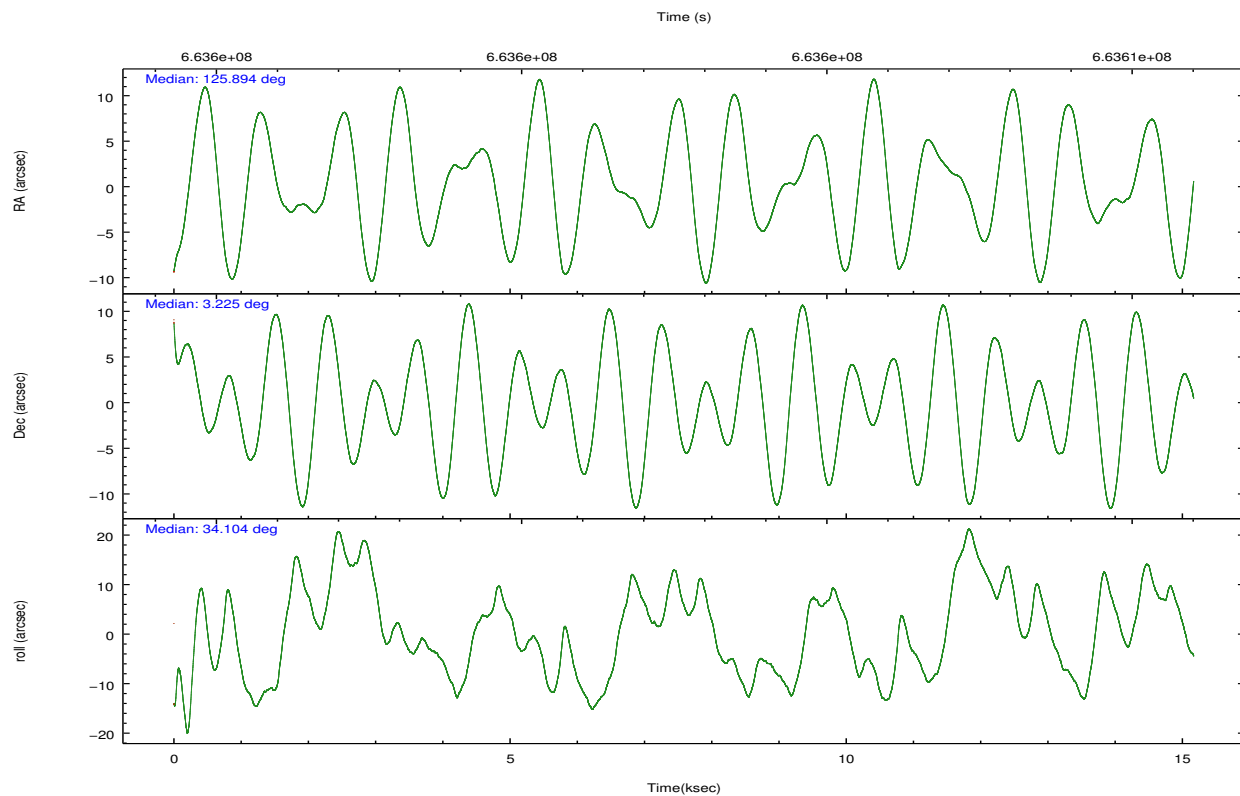
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4334	4069	4106	5201	11349
	3%	3%	3%	3%	7%
grade 1 events	78	58	53	206	131
	0%	0%	0%	0%	0%
grade 2 events	2999	2599	3103	13382	9781
	2%	2%	2%	9%	6%
grade 3 events	1188	1242	1262	4963	4283
	1%	1%	1%	3%	2%
grade 4 events	1247	1251	1204	4862	4130
	1%	1%	1%	3%	2%
grade 5 events	4465	5412	5456	14448	8181
	4%	4%	4%	9%	5%
grade 6 events	2418	2545	3065	34276	10925
	2%	2%	2%	23%	7%
grade 7 events	93811	92663	96221	67377	103363
	84%	84%	84%	46%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	125.883038	125.8946756781434	CCD I2 on	O1	Y
[deg] Pointing Dec	3.200326	3.22520837378803	CCD I3 on	Y	Y
[deg] Pointing Roll	33.948424	34.10440350646821	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	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	663595246.184000	663594200.46624	CCD S5 on	N	N
Observation start date	2019-01-11T11:59:37	2019-01-11T11:43:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	663610246.184000	663611371.26727	On-chip summing requested	N	N
Observation end date	2019-01-11T16:09:37	2019-01-11T16:29:31	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



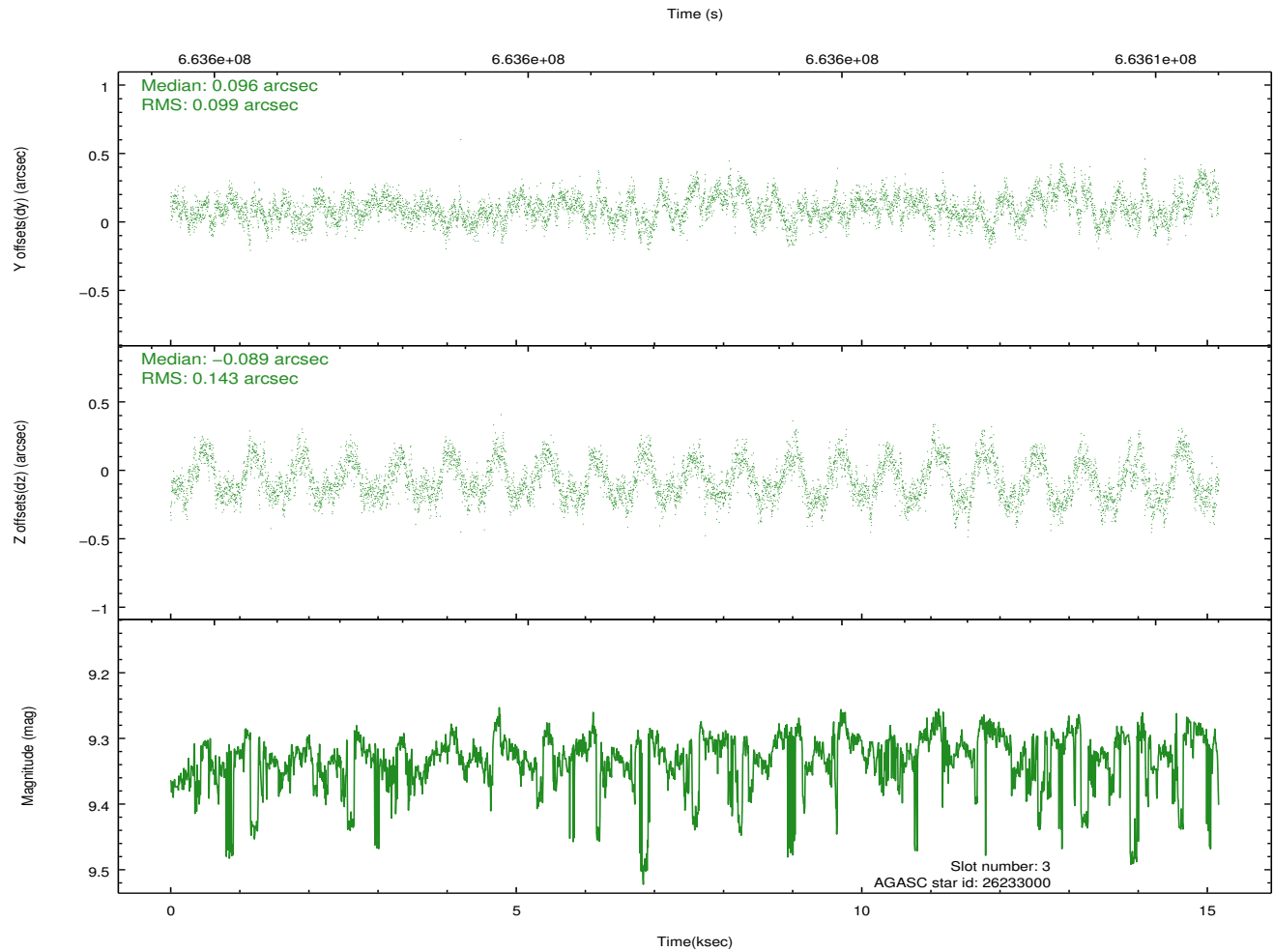
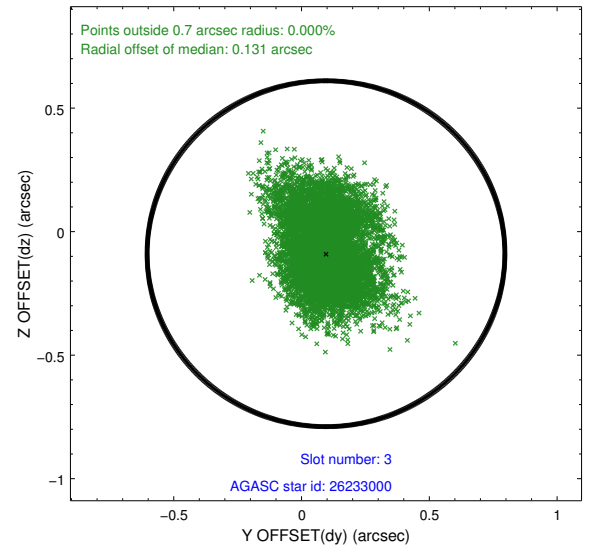
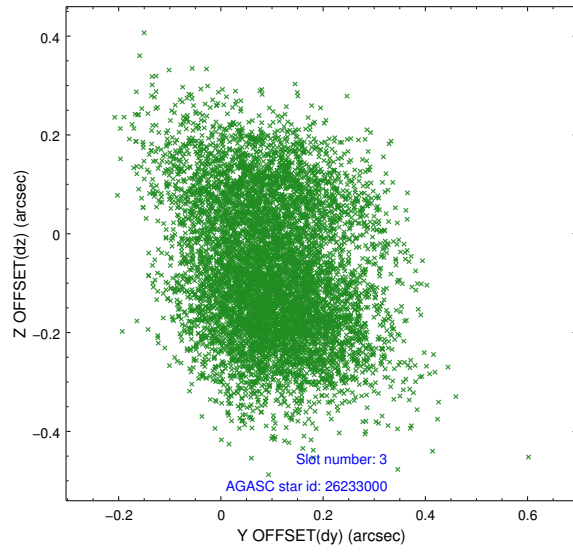


Slot Statistics

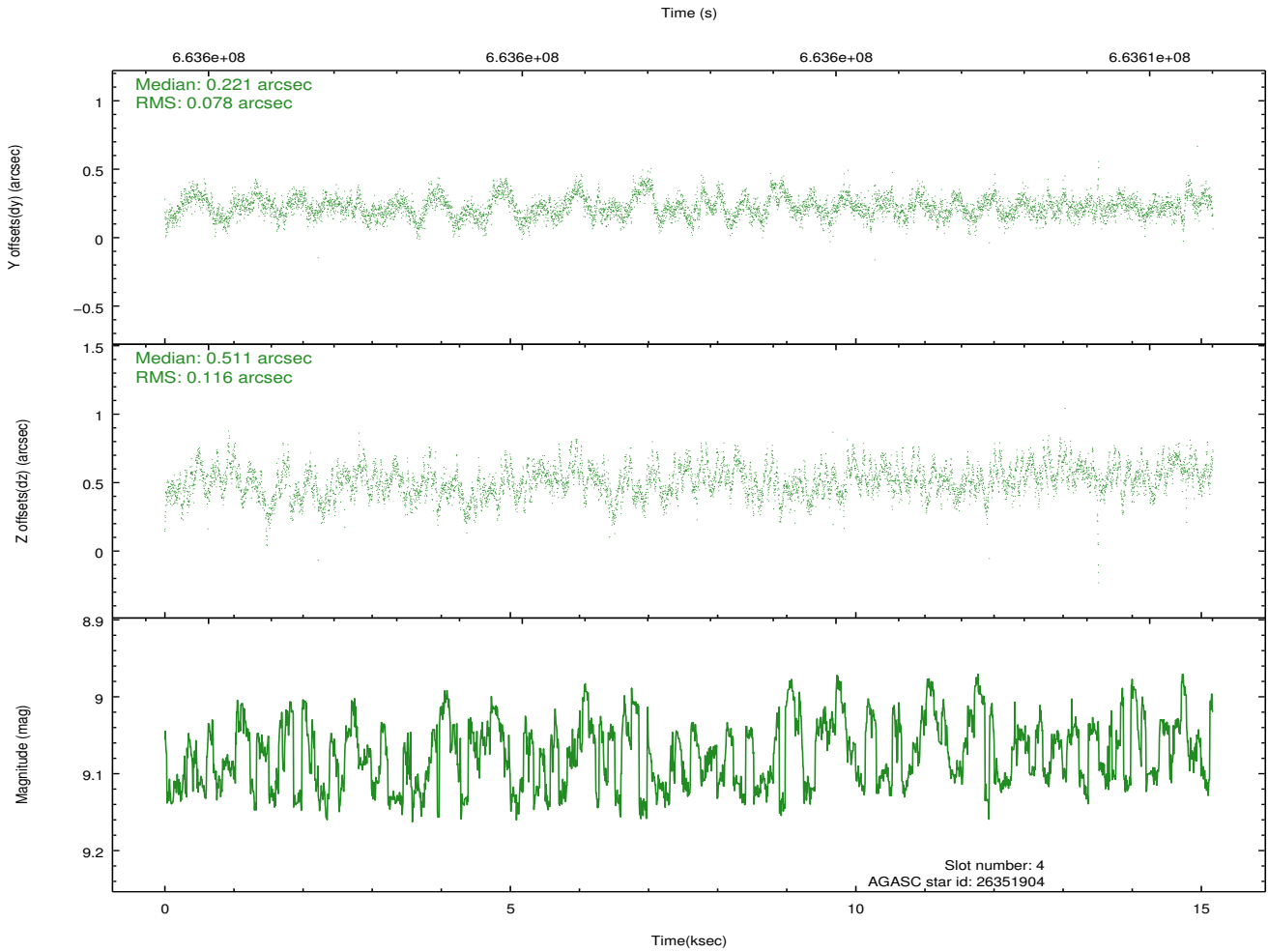
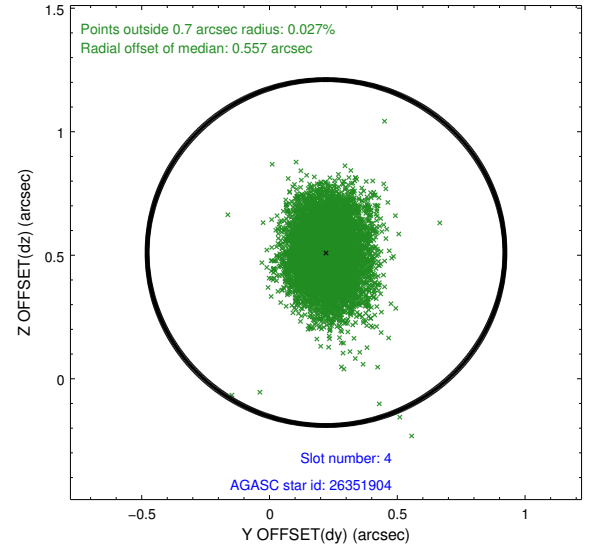
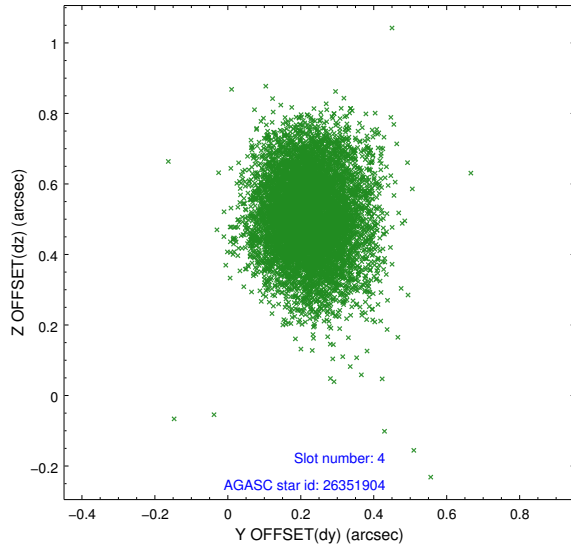
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.09	3699	1.000	-0.157	-0.138	0.013	0.024	0.000000	0.000000	927.45	-1737
1	FID		ACIS-S-4	7.13	3700	1.000	0.324	0.147	0.011	0.024	0.000000	0.000000	2145.47	166
2	FID		ACIS-S-6	7.26	3699	1.000	-0.190	0.002	0.015	0.023	0.000000	0.000000	393.70	804
3	GUIDE	used	26233000	9.33	7392	1.000	0.096	-0.089	0.188	0.296	125.388644	3.342046	-1188.32	1415
4	GUIDE	used	26351904	9.08	7387	1.000	0.221	0.511	0.147	0.243	126.036366	2.677014	-593.62	-1869
5	GUIDE	used	26352392	9.33	7387	1.000	0.400	0.506	0.135	0.222	125.822457	2.741950	-1101.21	-1247
6	GUIDE	used	26359960	7.84	7393	1.000	-0.295	-0.210	0.089	0.152	126.118001	3.299912	901.34	-174
7	GUIDE	used	26873280	10.00	7331	1.000	-0.435	-0.721	0.286	0.483	125.770037	3.817686	904.77	2069

2.4 Star Slots

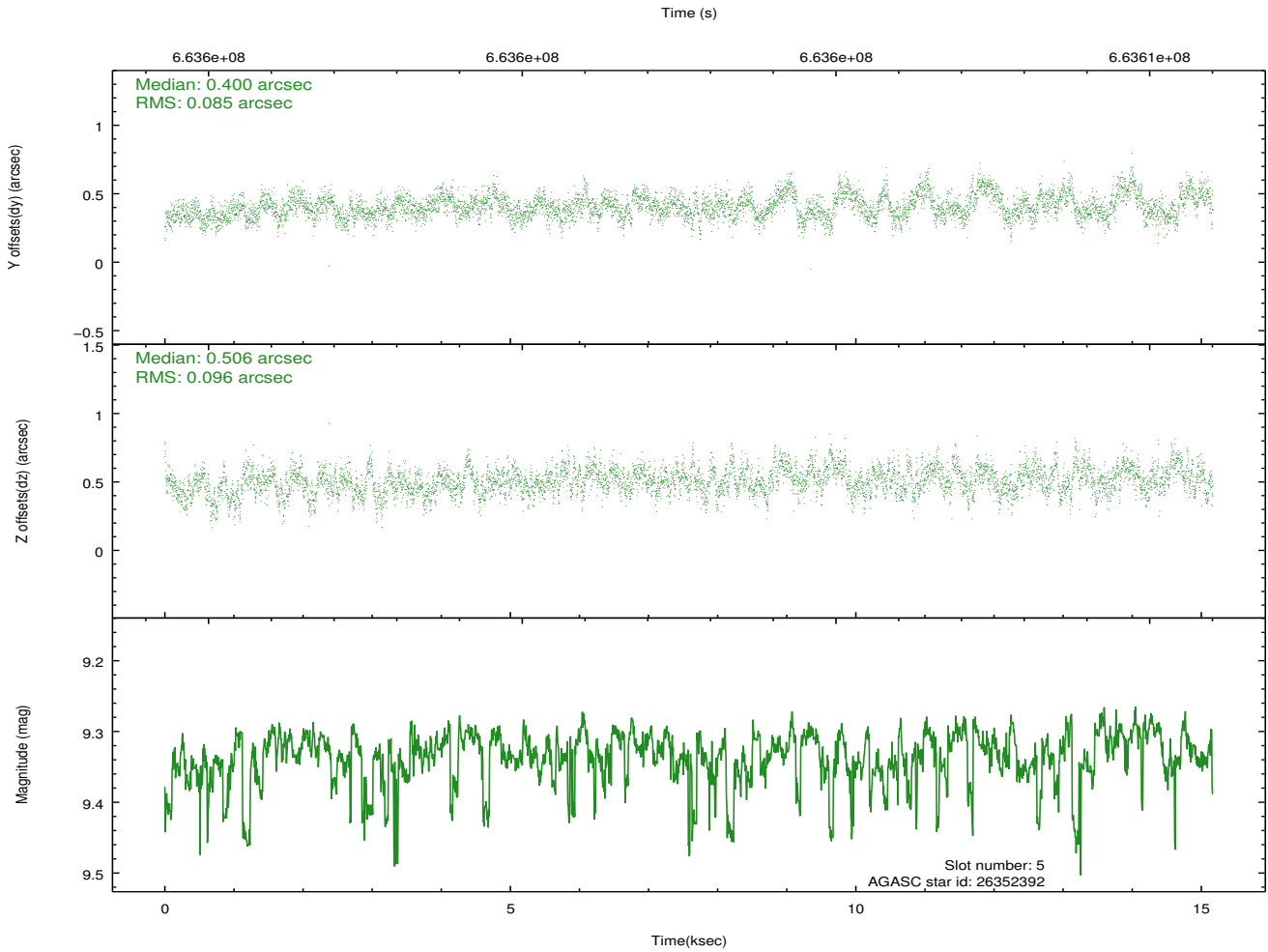
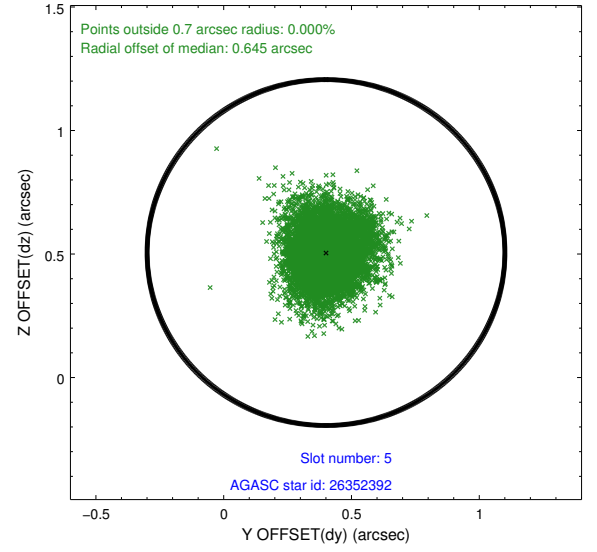
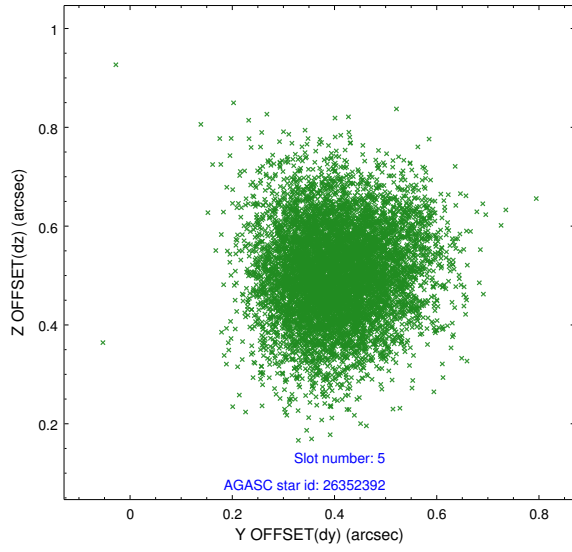
2.4.1 Slot 3



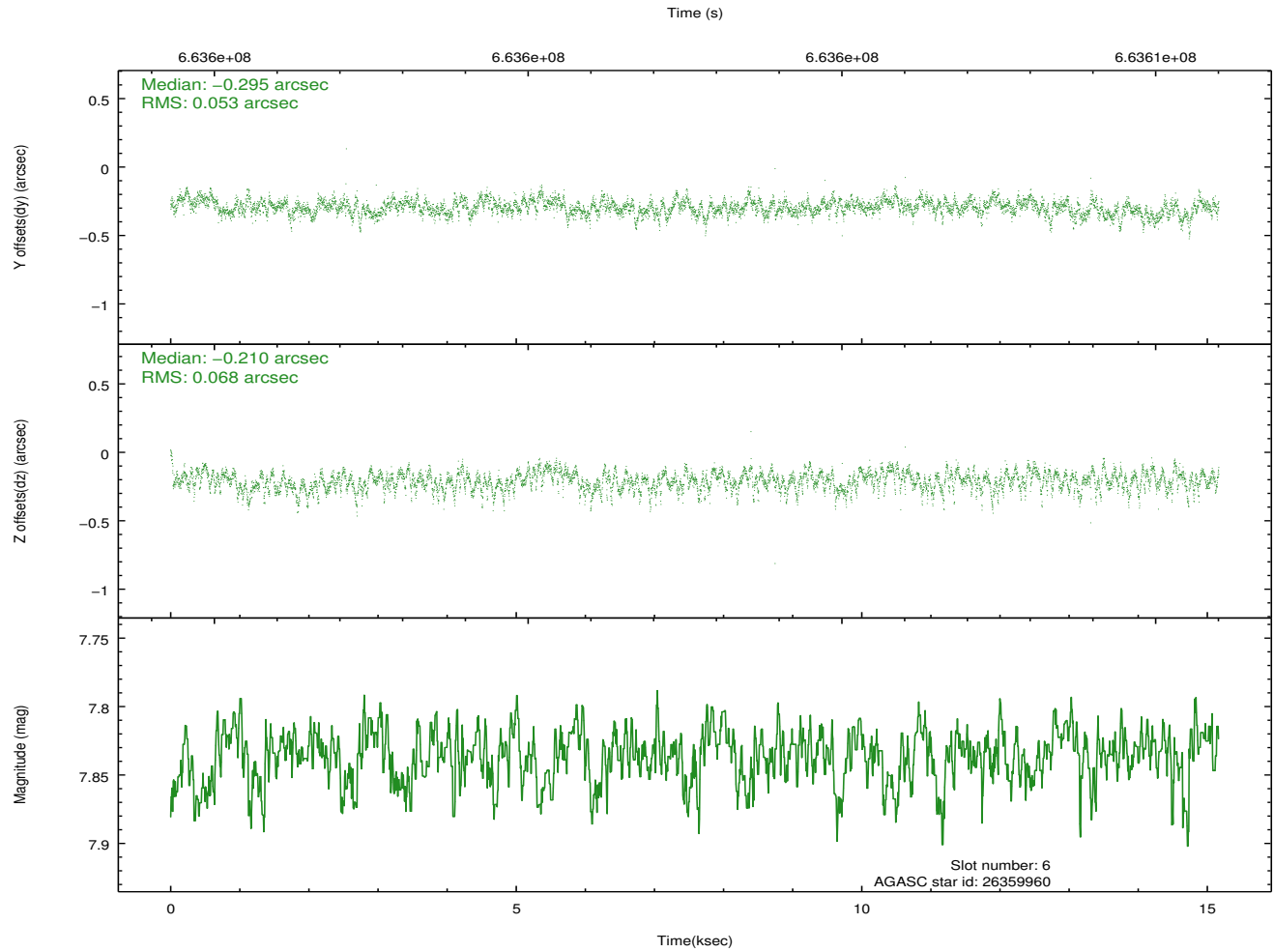
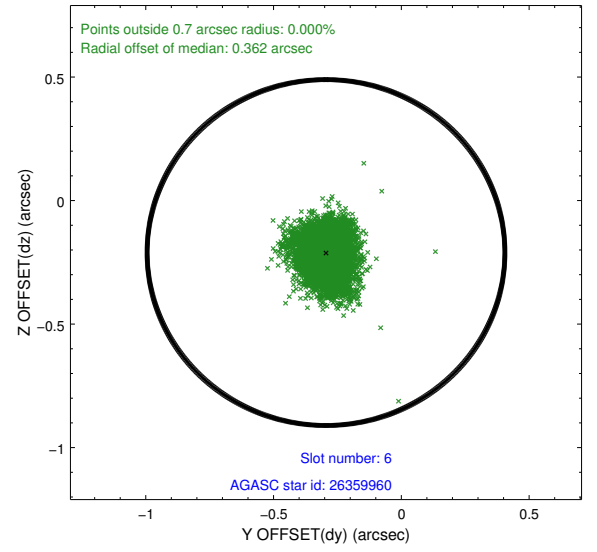
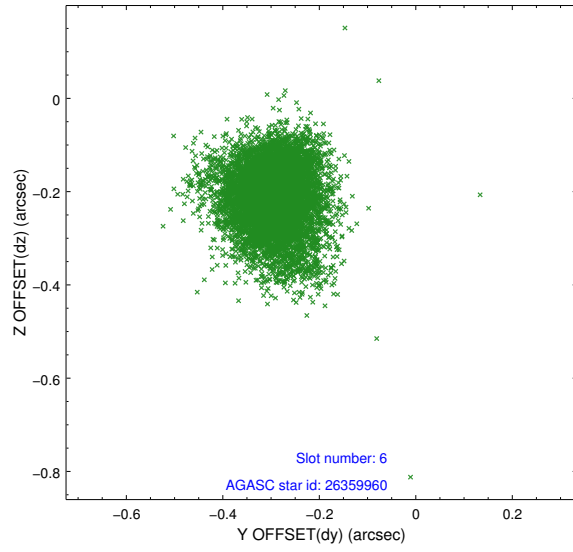
2.4.2 Slot 4



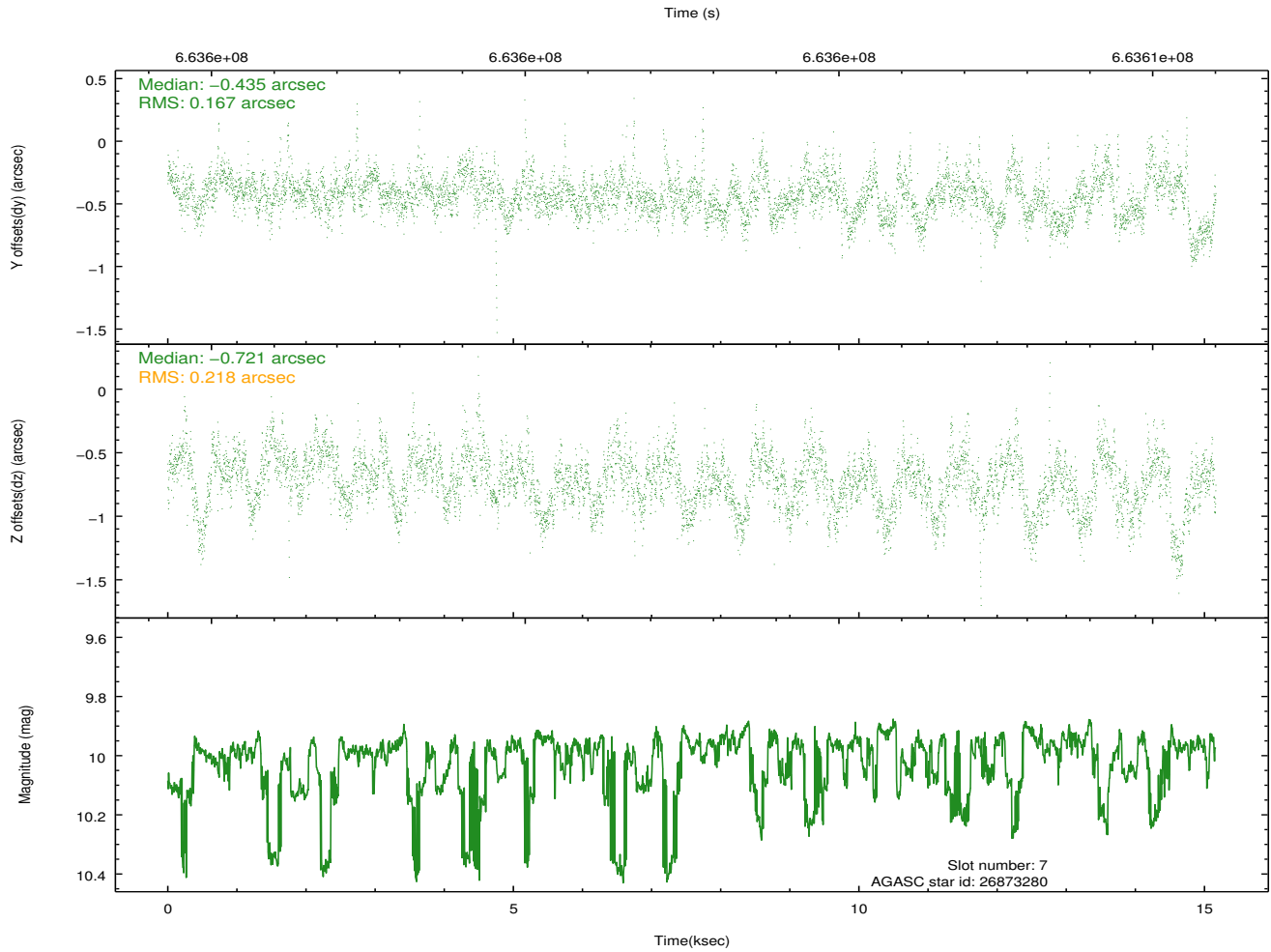
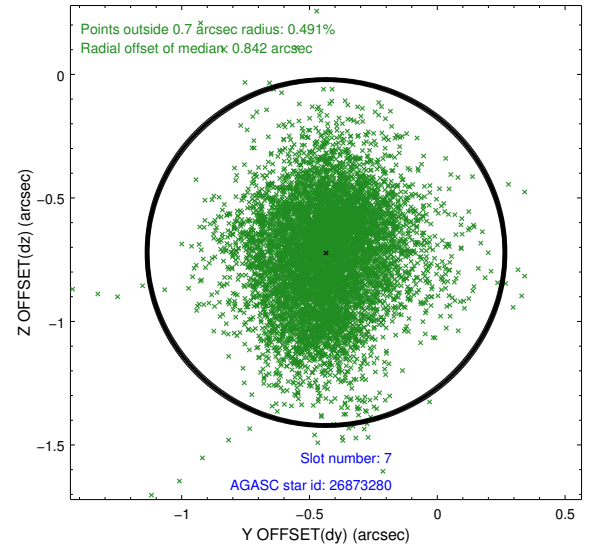
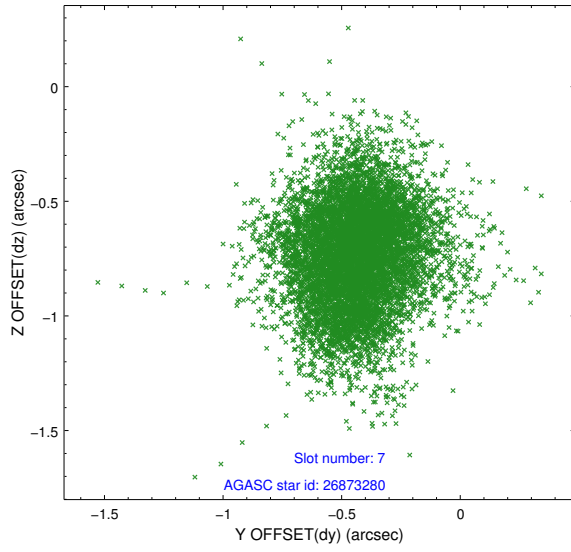
2.4.3 Slot 5



2.4.4 Slot 6

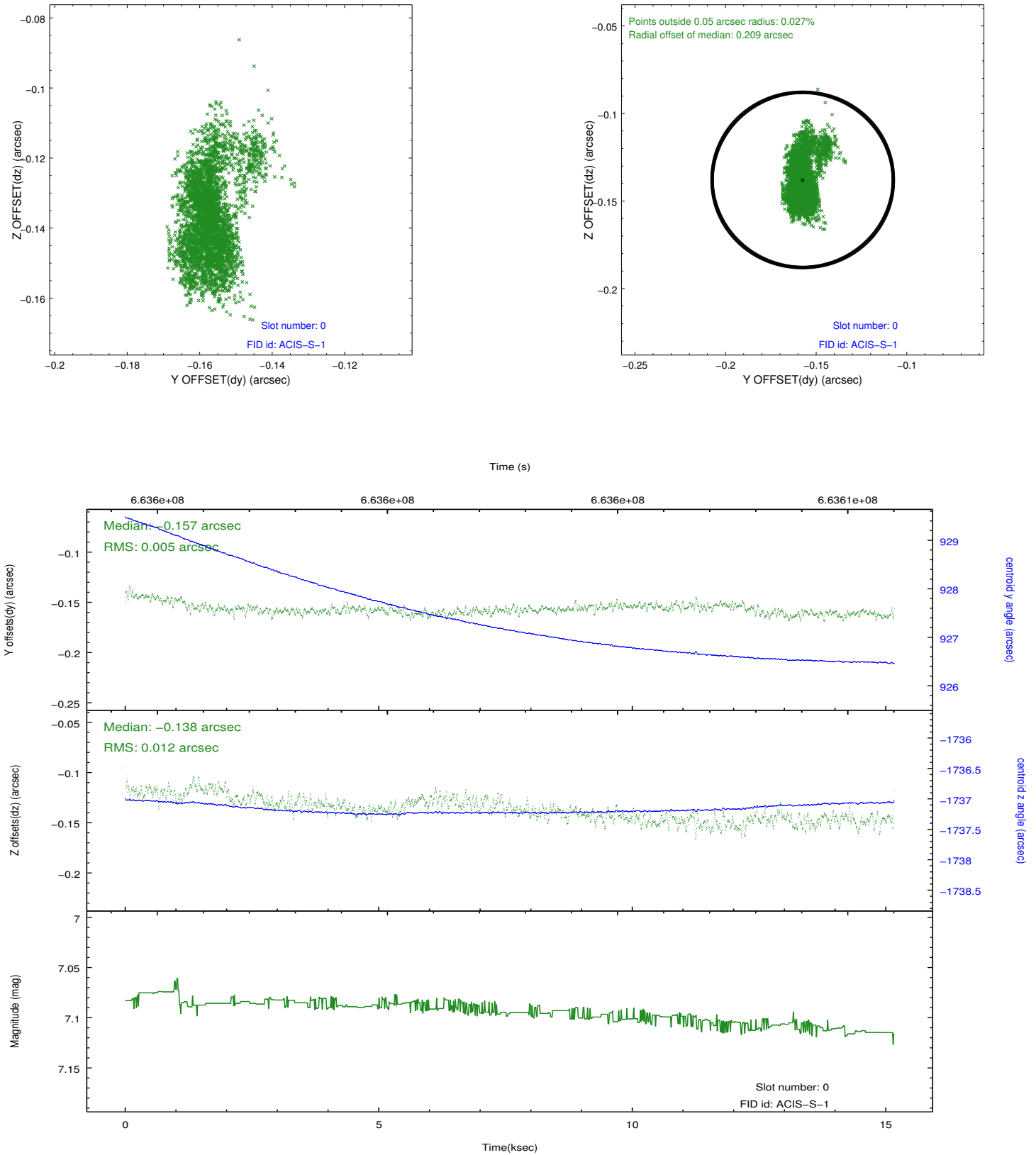


2.4.5 Slot 7

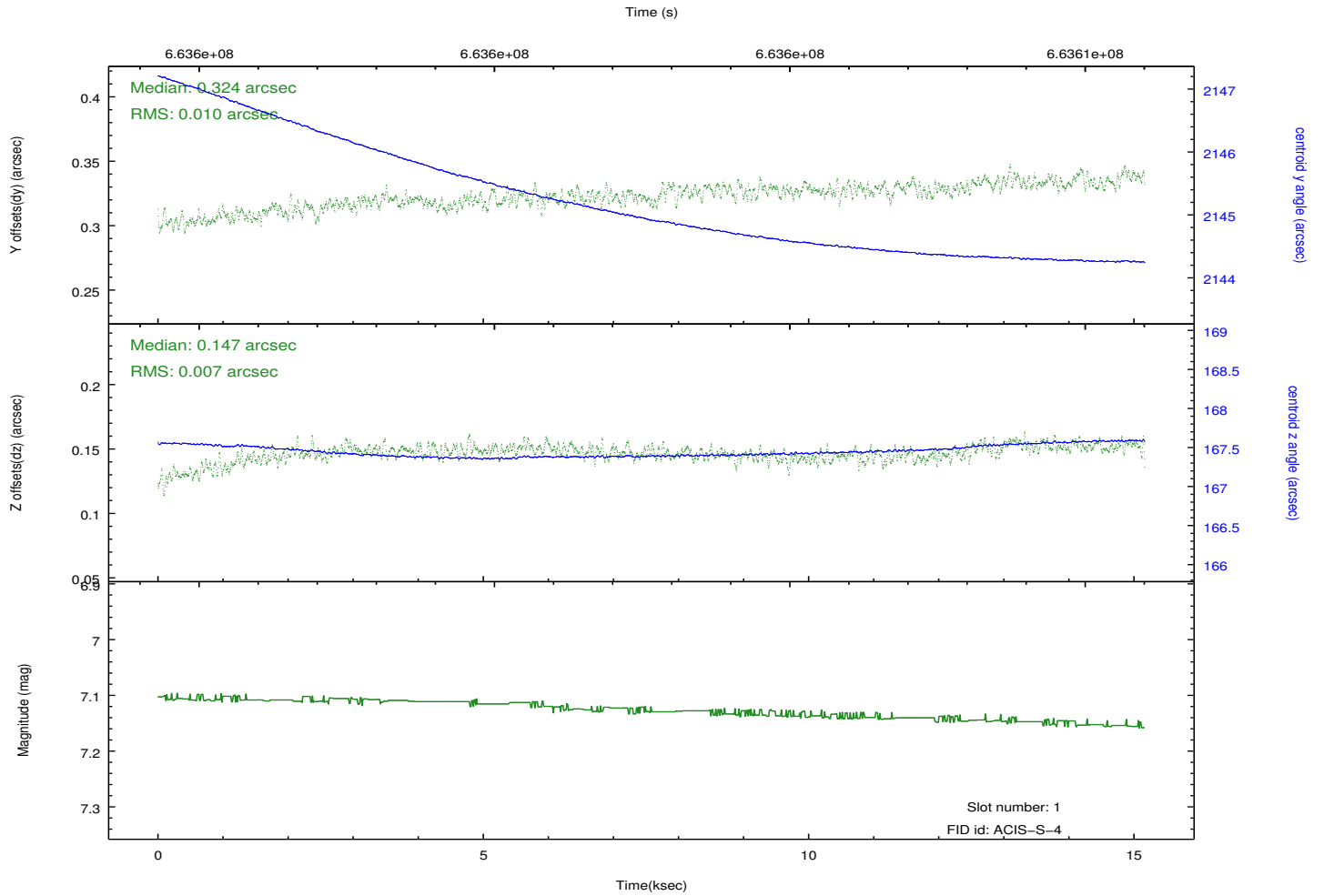
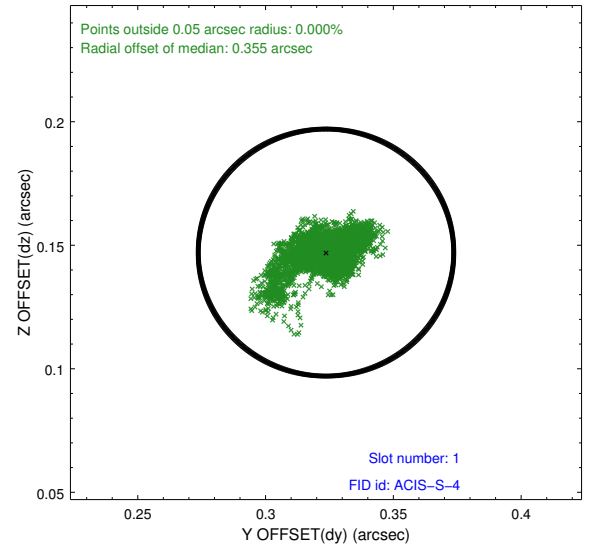
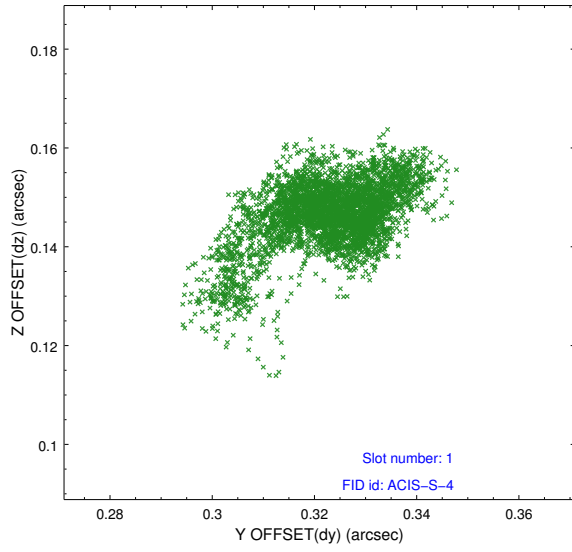


2.5 FID Slots

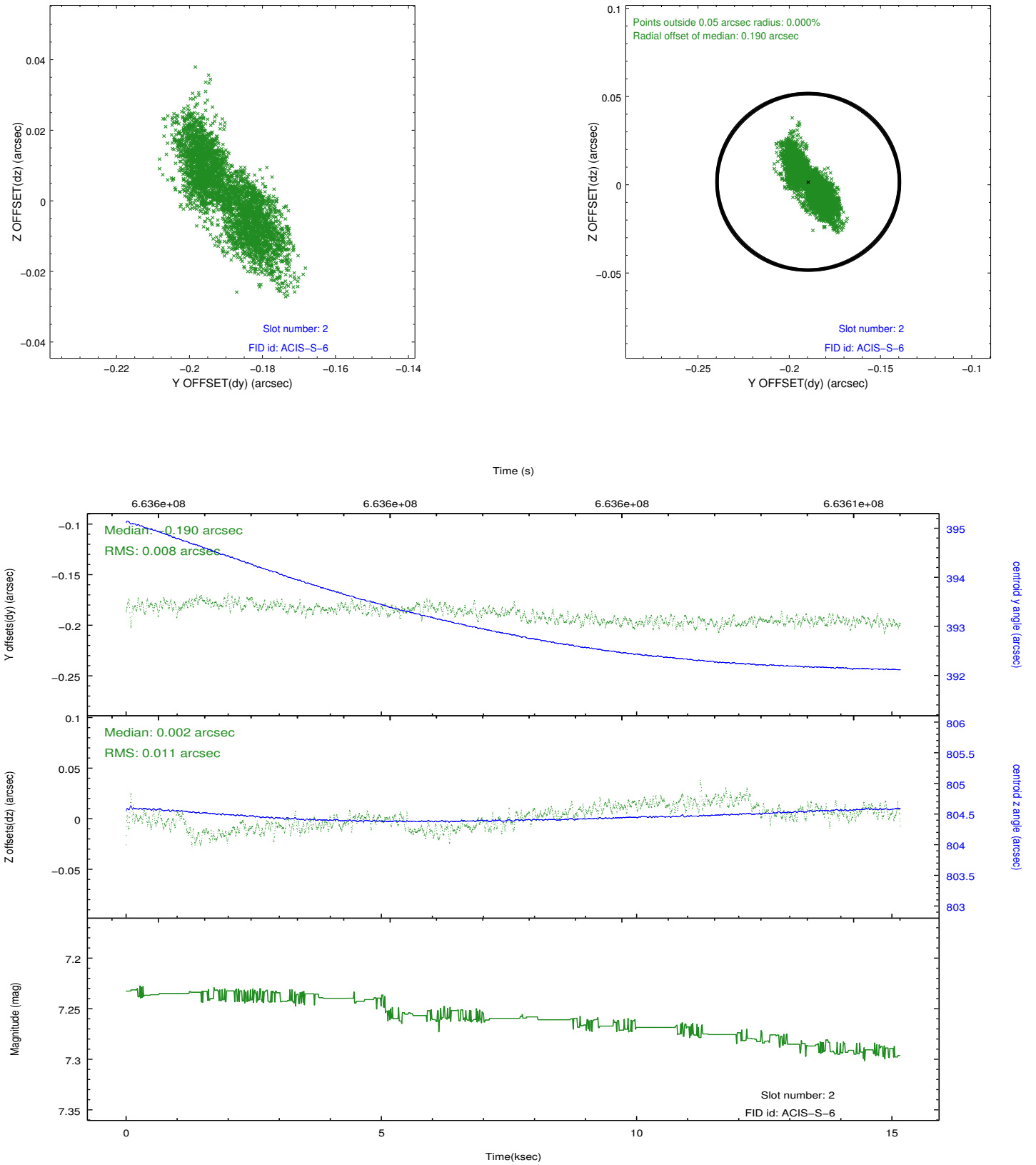
2.5.1 Slot 0



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)	2019.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.059139441252

A.2 Comments