

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21356 - L2 Version 1
Chandra X-Ray Center

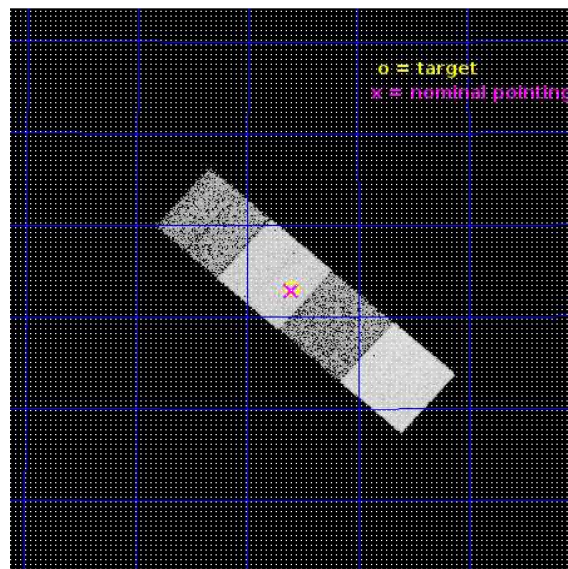
L2 Processing Date : Apr 17 2019

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1 Front

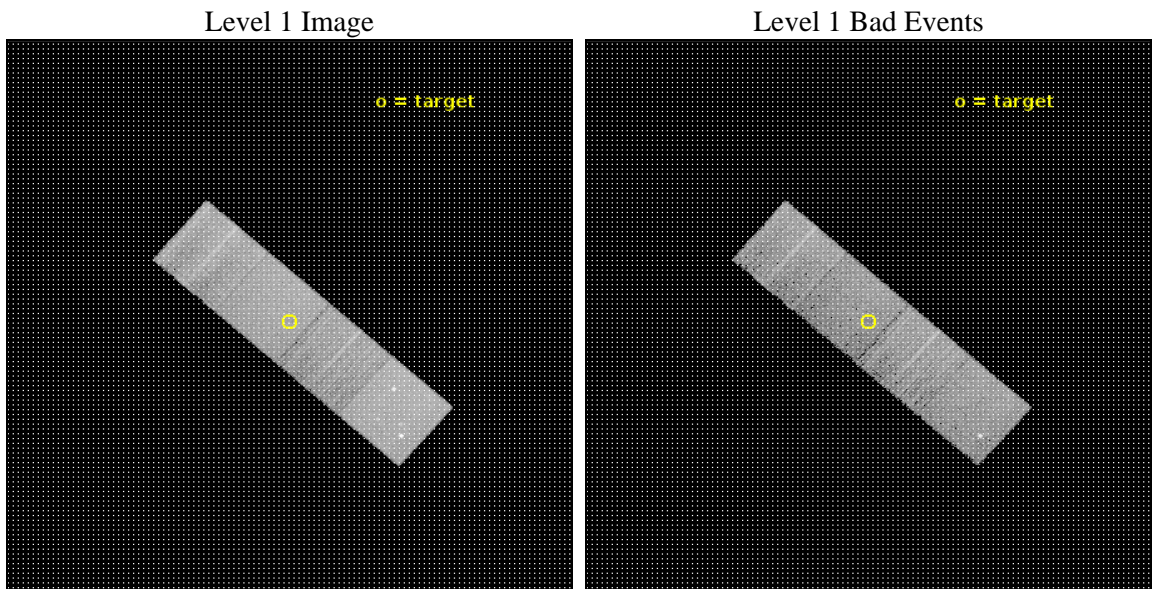
seq_num	503128	Sequence number
obs_id	21356	Observation id
title	Chandra Observations of H-alpha emitting Type I Supernovae	Proposa
observer	David Pooley	Principal investigator
object	SN 2005kl	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.14875	Observer's specified target RA [deg]
dec_targ	39.384306	Observer's specified target Dec [deg]
ra_nom	186.15043256318	Nominal RA [deg]
dec_nom	39.381182043063	Nominal Dec [deg]
roll_nom	221.15555510779	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7564.0000582933	Sum of GTIs [s]
livetime	7465.1708289959	Livetime [s]
ontime5	7564.0000582933	Sum of GTIs [s]
ontime6	7564.0000582933	Sum of GTIs [s]
ontime7	7564.0000582933	Sum of GTIs [s]
ontime8	7564.0000582933	Sum of GTIs [s]
l2events	87671	Number of level 2 events



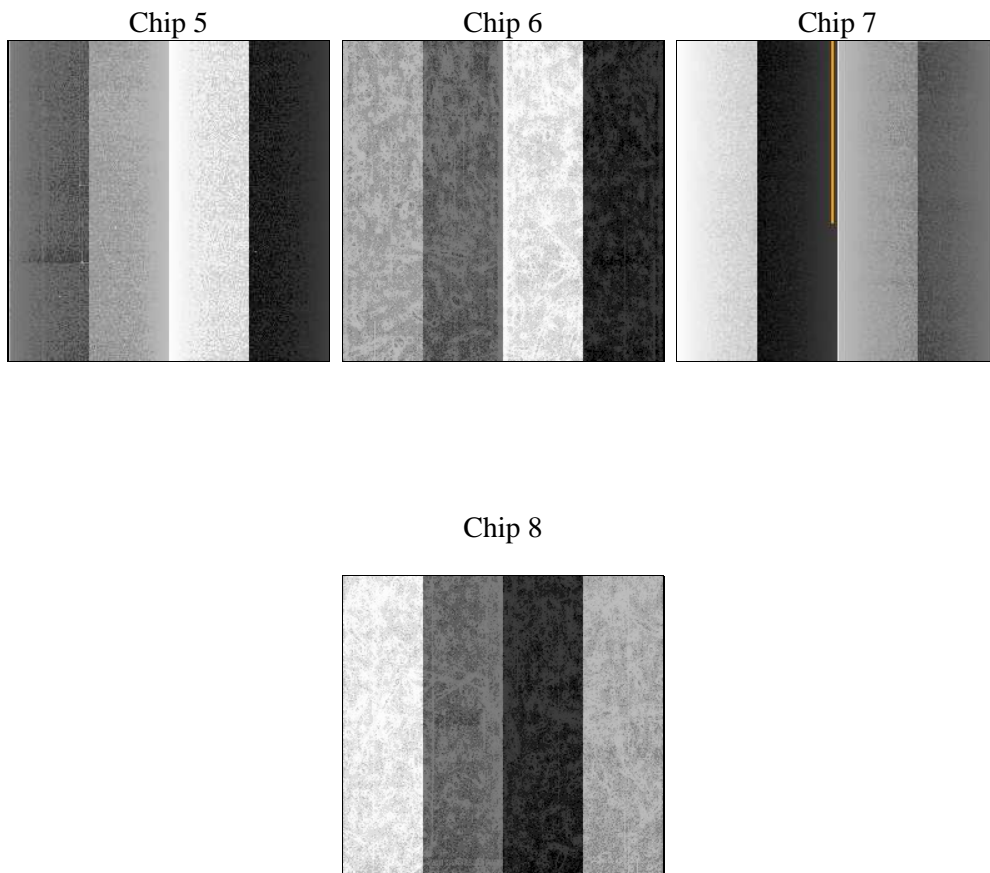
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7500.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	7564.0000582933	Sum of GTIs [s]
caldsver	4.8.2	 	ontime5	7564.0000582933	Sum of GTIs [s]
date	2019-04-17T03:37:55	Date and time of file creation	ontime6	7564.0000582933	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	7564.0000582933	Sum of GTIs [s]
			ontime8	7564.0000582933	Sum of GTIs [s]
			l1events	305863	Number of level 1 events

2.1.4 Events

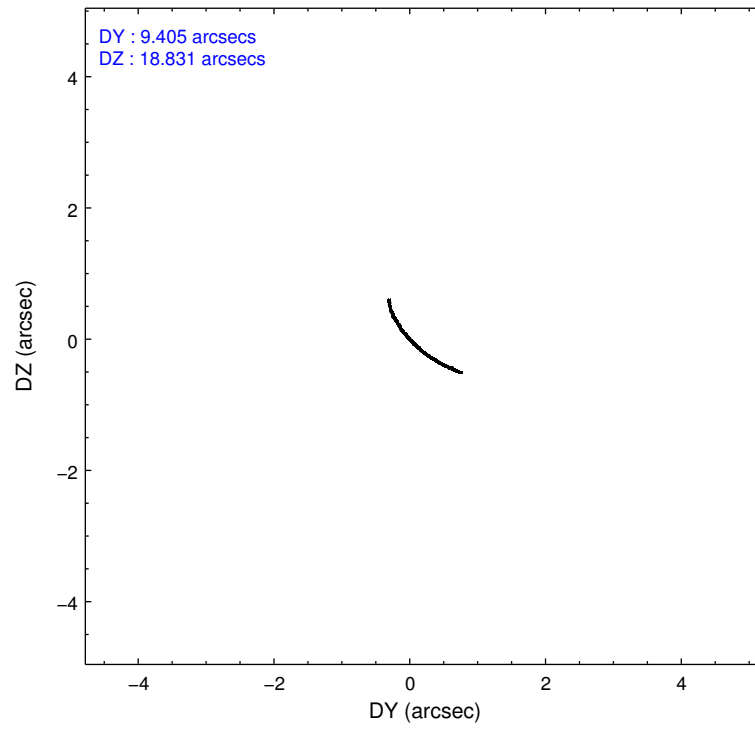
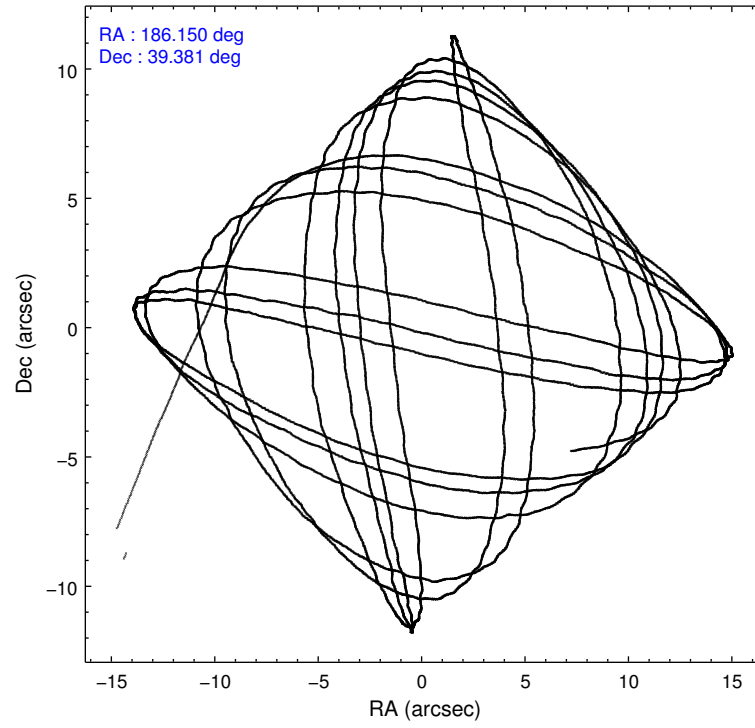
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	96710	58895	74528	75730
rejected events	49844	52085	41723	54365
rejected %	51%	88%	55%	71%

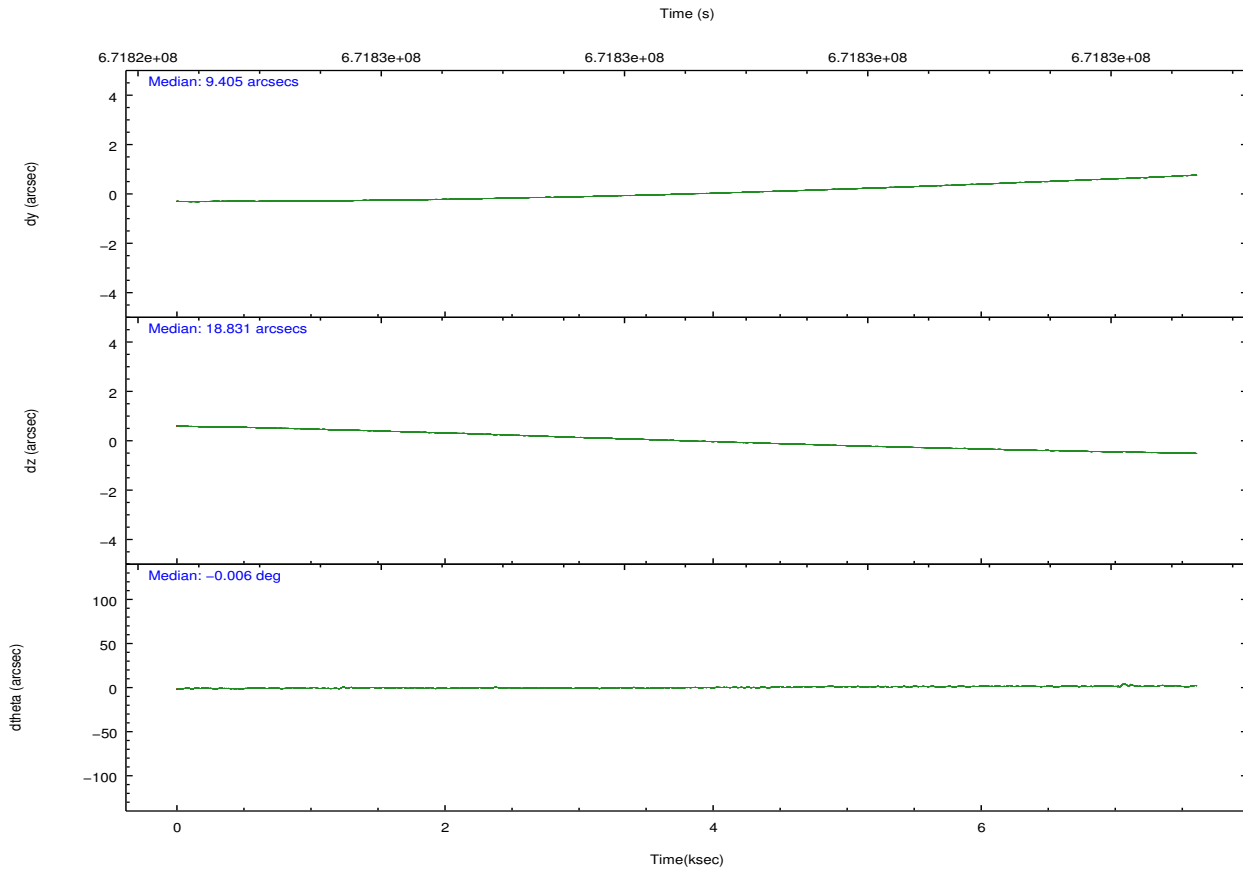
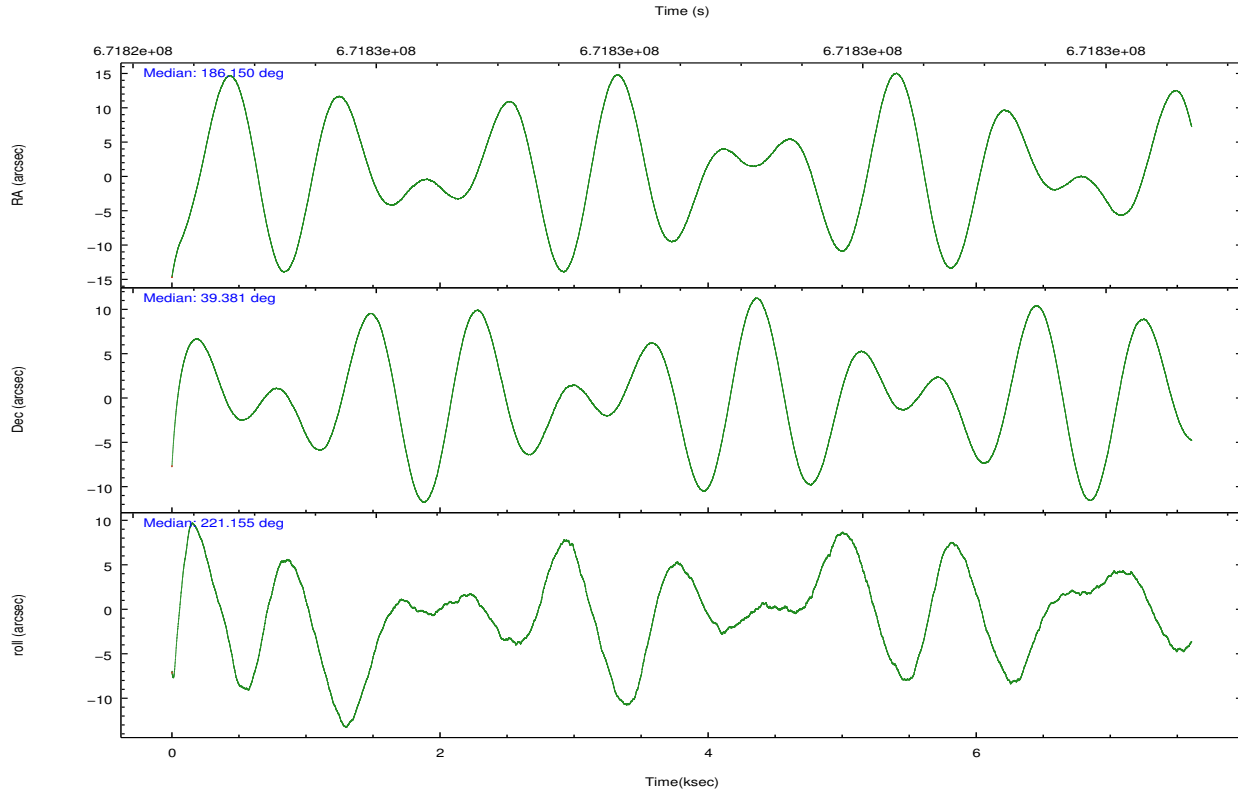
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4266	2260	2738	6220
	4%	3%	3%	8%
grade 1 events	212	37	111	80
	0%	0%	0%	0%
grade 2 events	15345	1571	7022	5192
	15%	2%	9%	6%
grade 3 events	1439	639	2552	2219
	1%	1%	3%	2%
grade 4 events	1305	686	2570	2170
	1%	1%	3%	2%
grade 5 events	6627	2764	7316	4026
	6%	4%	9%	5%
grade 6 events	24534	1663	17950	5603
	25%	2%	24%	7%
grade 7 events	42982	49275	34269	50220
	44%	83%	45%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	186.161376	186.1504325631833	CCD I2 on	N	N
[deg] Pointing Dec	39.407229	39.3811820430631	CCD I3 on	N	N
[deg] Pointing Roll	220.991992	221.1555551077884	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O2	Y
[s] Observation start time (MET)	671824817.184000	671823261.75818	CCD S5 on	N	N
Observation start date	2019-04-16T17:59:08	2019-04-16T17:34:21	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	671832317.184000	671832928.02126	On-chip summing requested	N	N
Observation end date	2019-04-16T20:04:08	2019-04-16T20:15:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



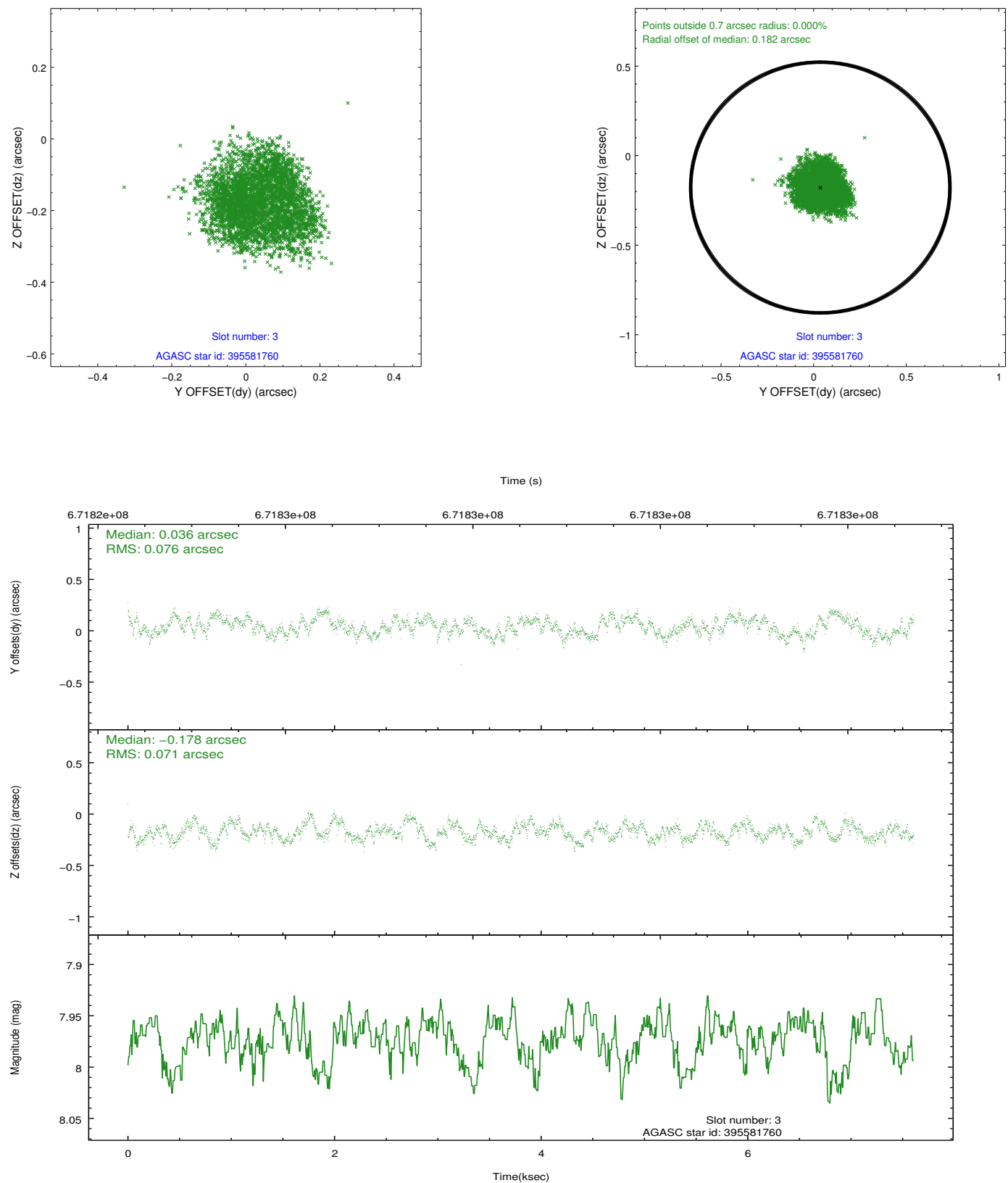


Slot Statistics

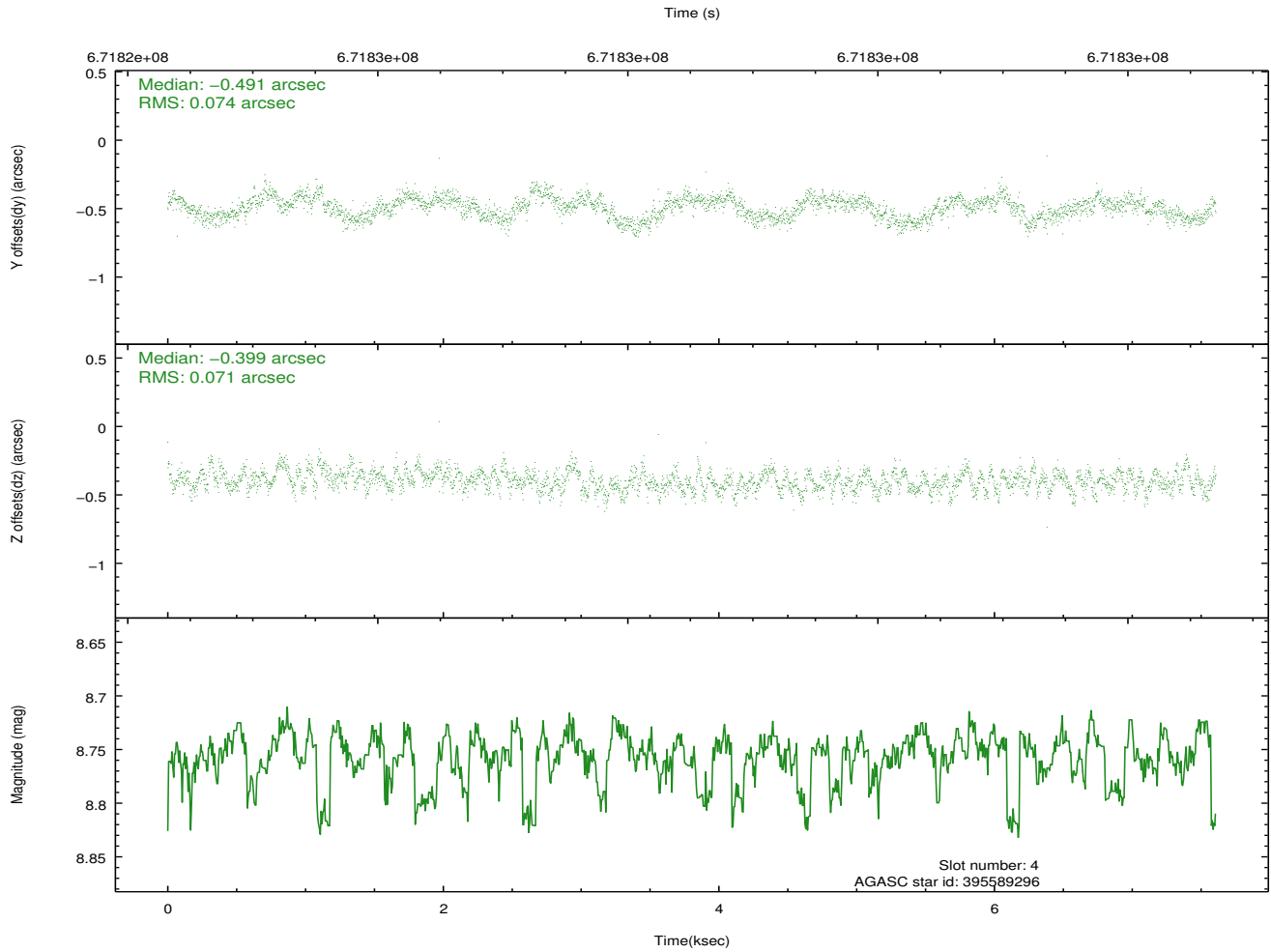
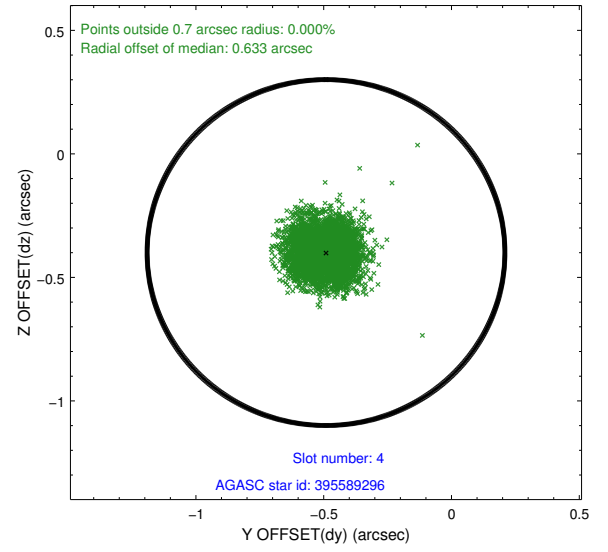
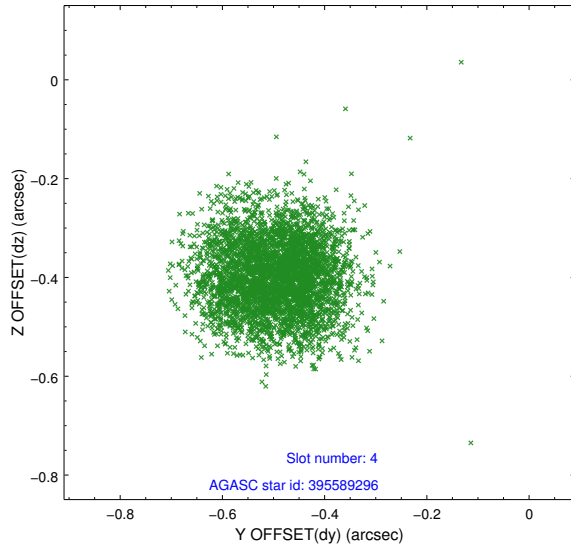
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.97	1856	1.000	-0.247	-0.121	0.018	0.026	0.000000	0.000000	-762.50	-1740
1	FID		ACIS-S-4	7.09	1856	1.000	0.585	0.152	0.009	0.015	0.000000	0.000000	2151.22	167
2	FID		ACIS-S-5	7.07	1856	1.000	-0.369	-0.022	0.017	0.025	0.000000	0.000000	-1814.55	161
3	GUIDE	used	395581760	7.97	3712	1.000	0.036	-0.178	0.113	0.166	185.709968	39.275627	1259.22	-470
4	GUIDE	used	395589296	8.75	3710	1.000	-0.491	-0.399	0.110	0.173	186.540535	38.975372	218.17	1867
5	GUIDE	used	395595912	8.70	3707	1.000	0.291	-0.026	0.126	0.197	186.032859	39.863207	-808.14	-1471
6	GUIDE	used	395575536	8.39	3709	1.000	0.044	0.295	0.092	0.144	186.510722	39.894286	-1879.01	-691
7	GUIDE	used	395596928	8.22	3709	1.000	0.120	0.298	0.079	0.137	186.602119	39.889082	-2057.72	-512

2.4 Star Slots

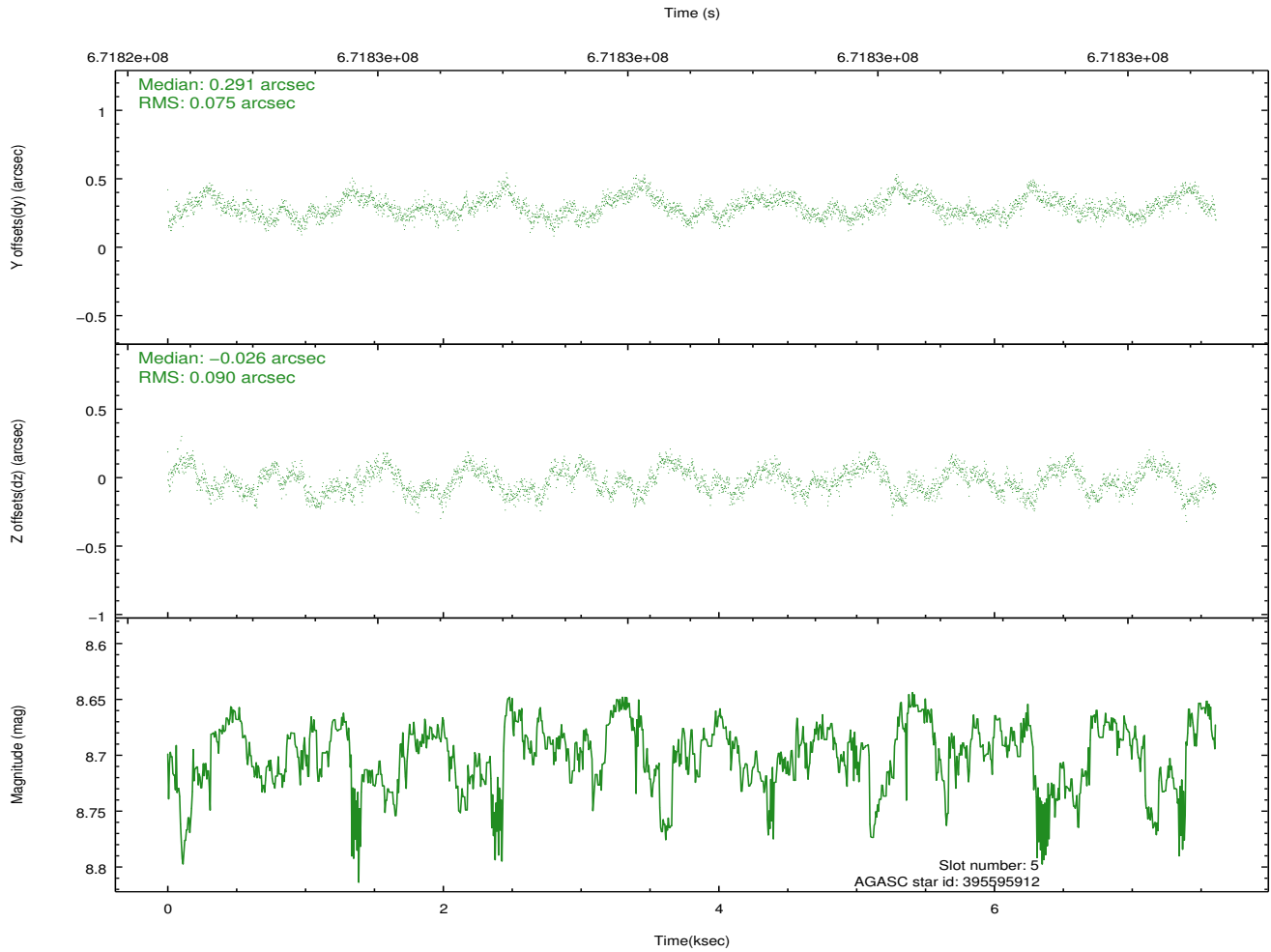
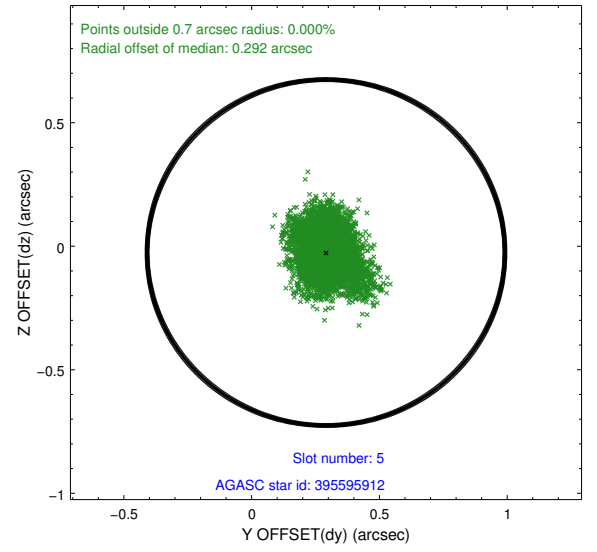
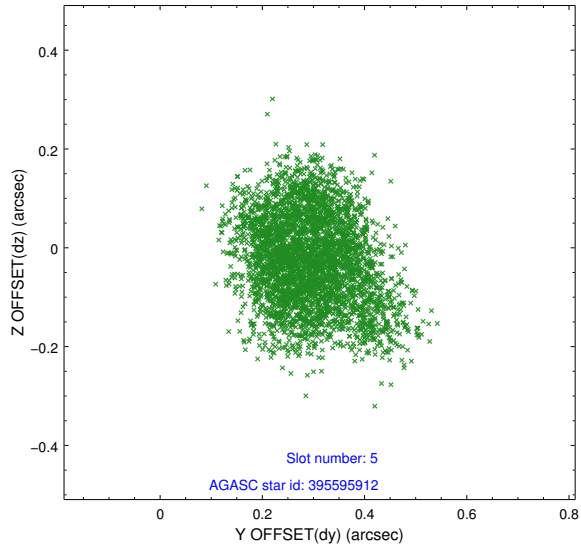
2.4.1 Slot 3



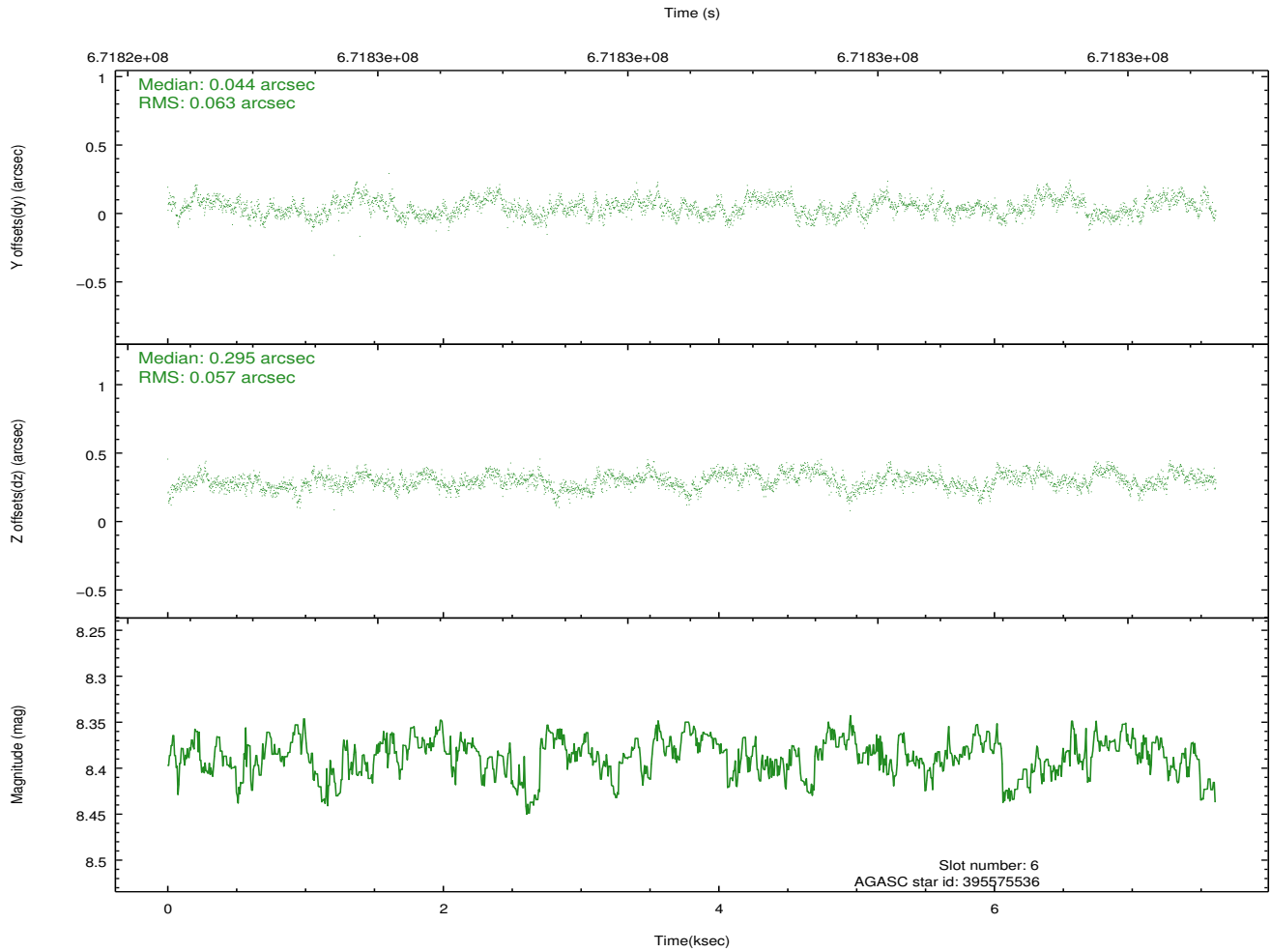
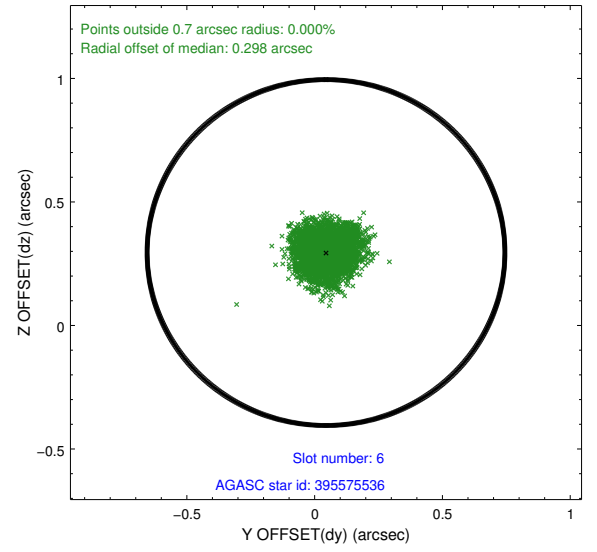
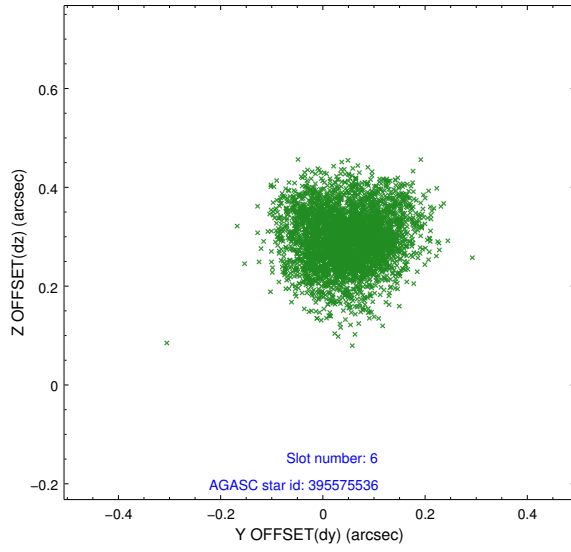
2.4.2 Slot 4



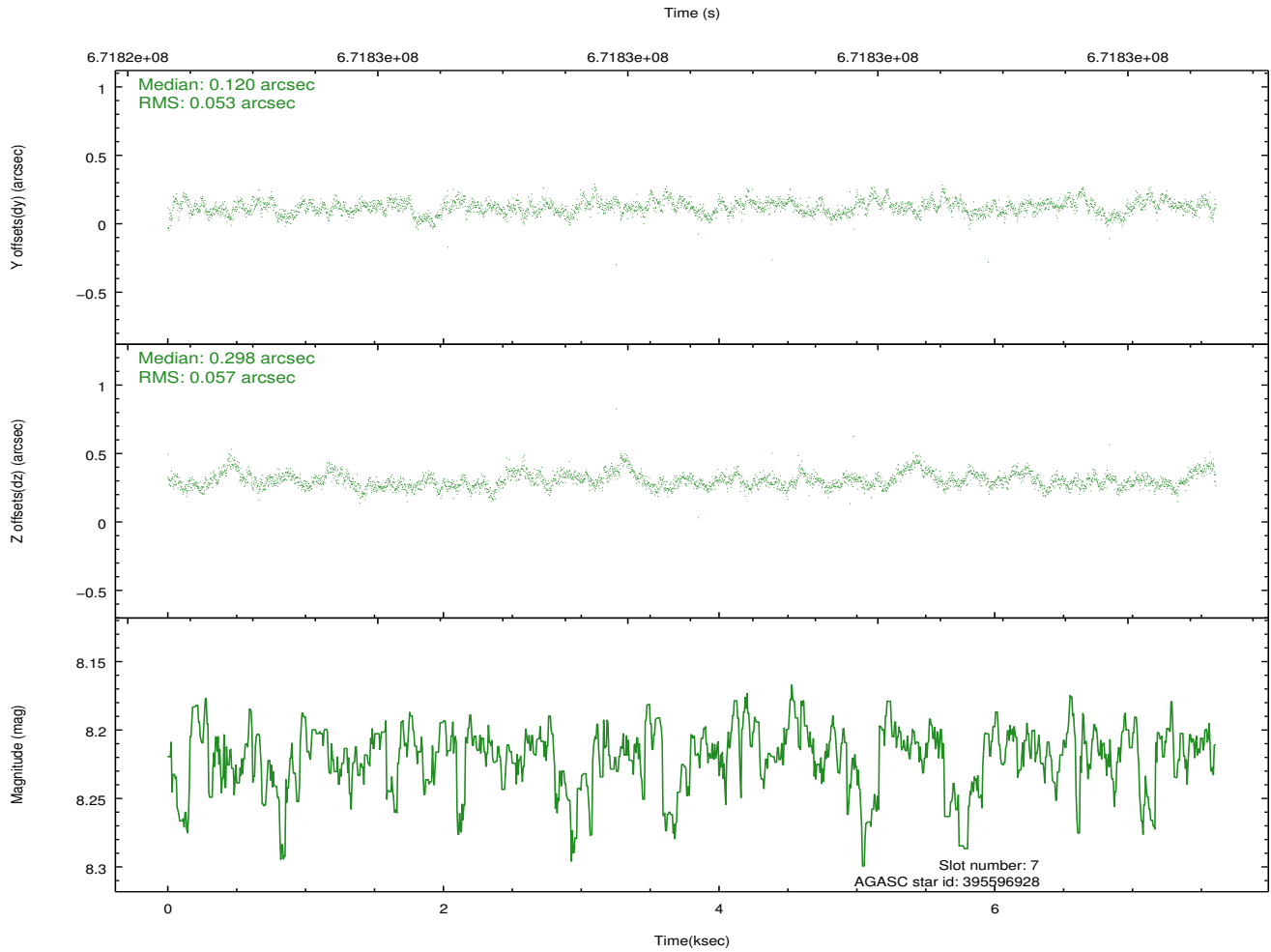
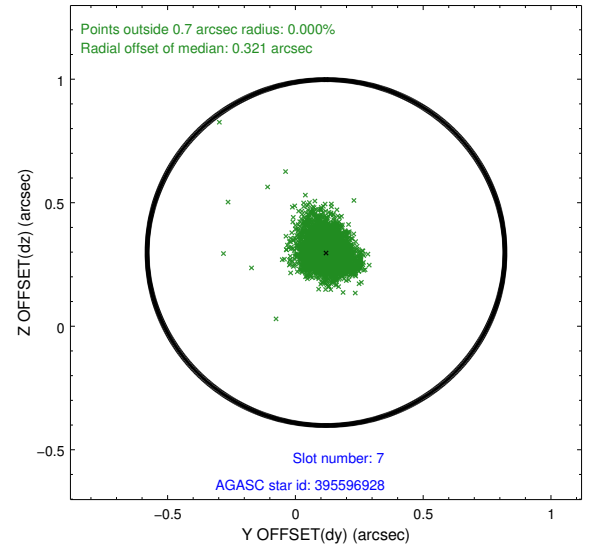
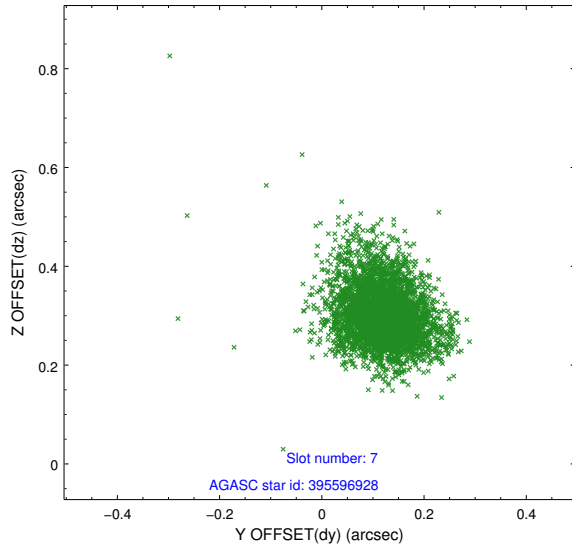
2.4.3 Slot 5



2.4.4 Slot 6

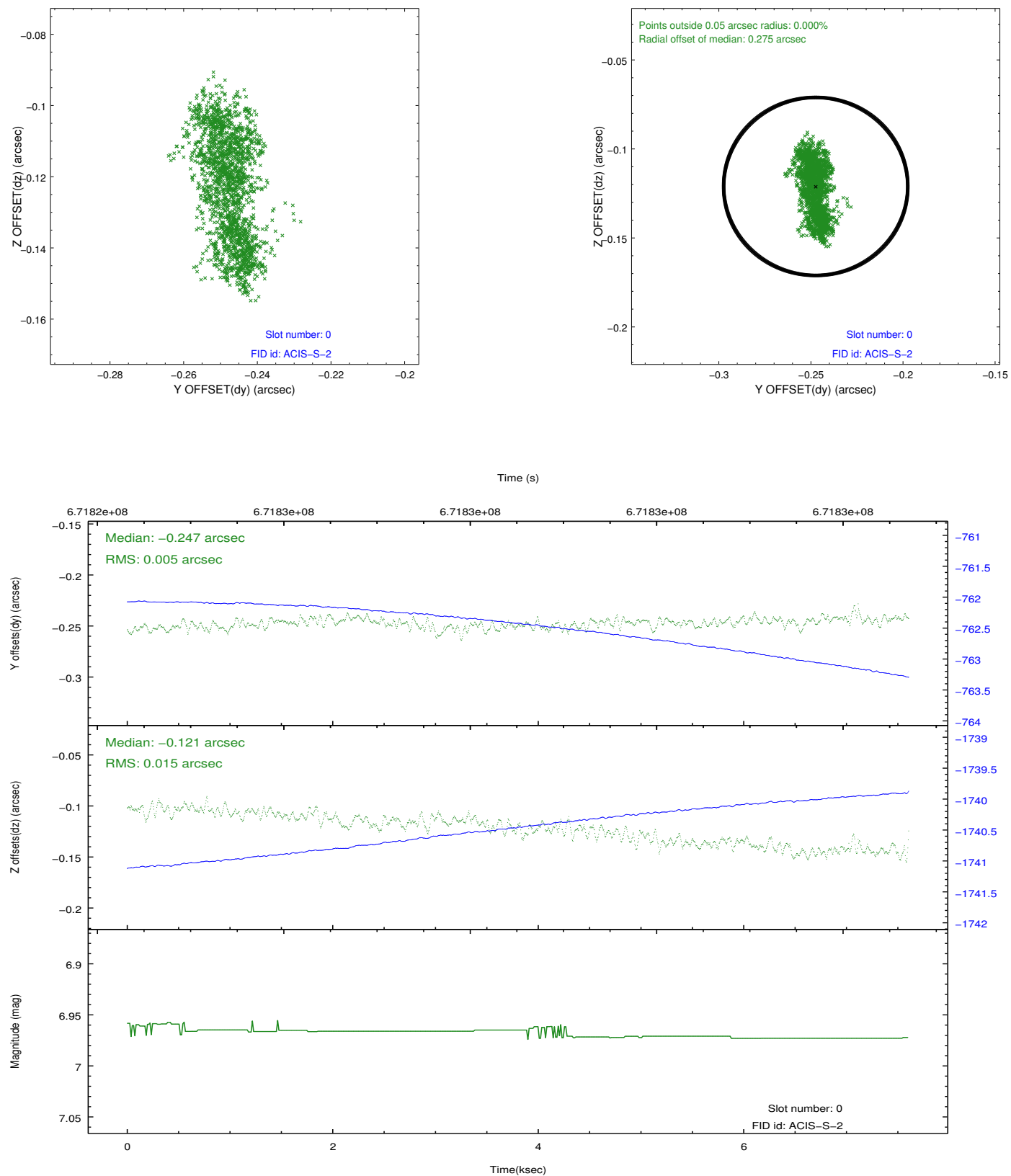


2.4.5 Slot 7

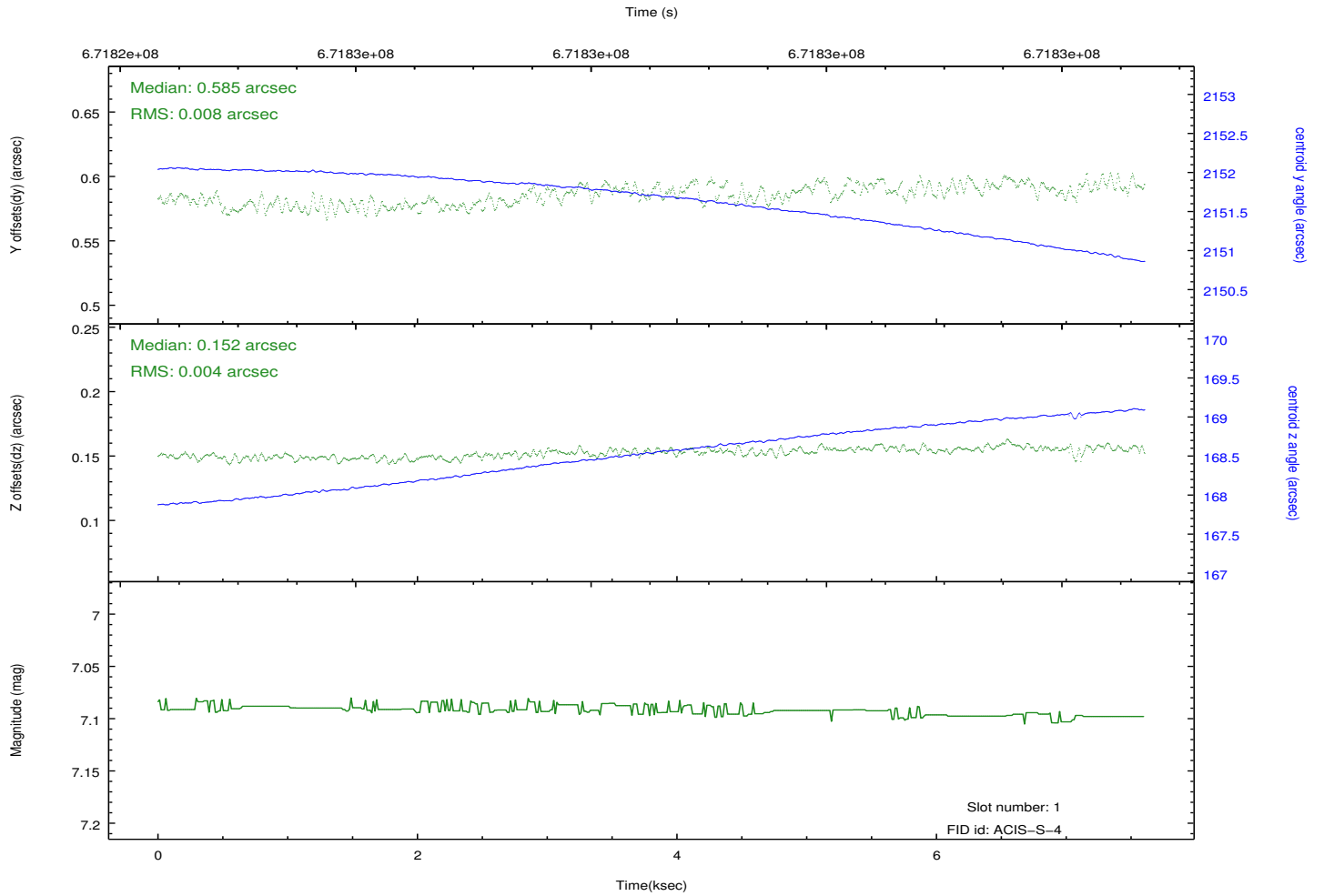
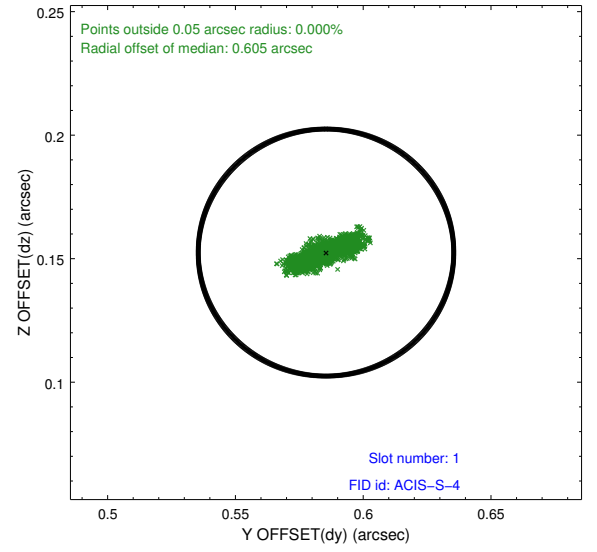
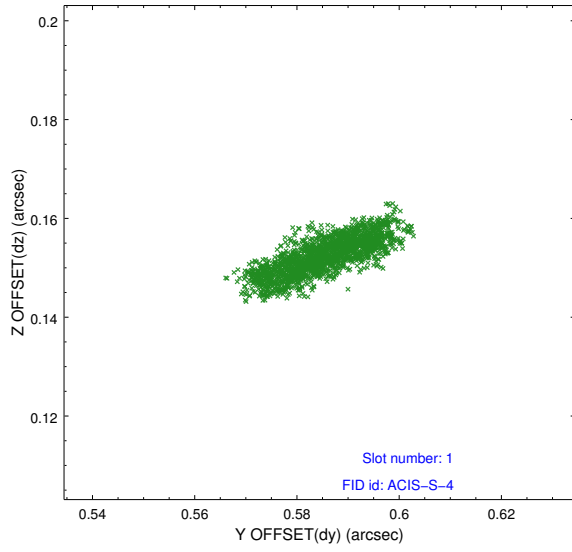


2.5 FID Slots

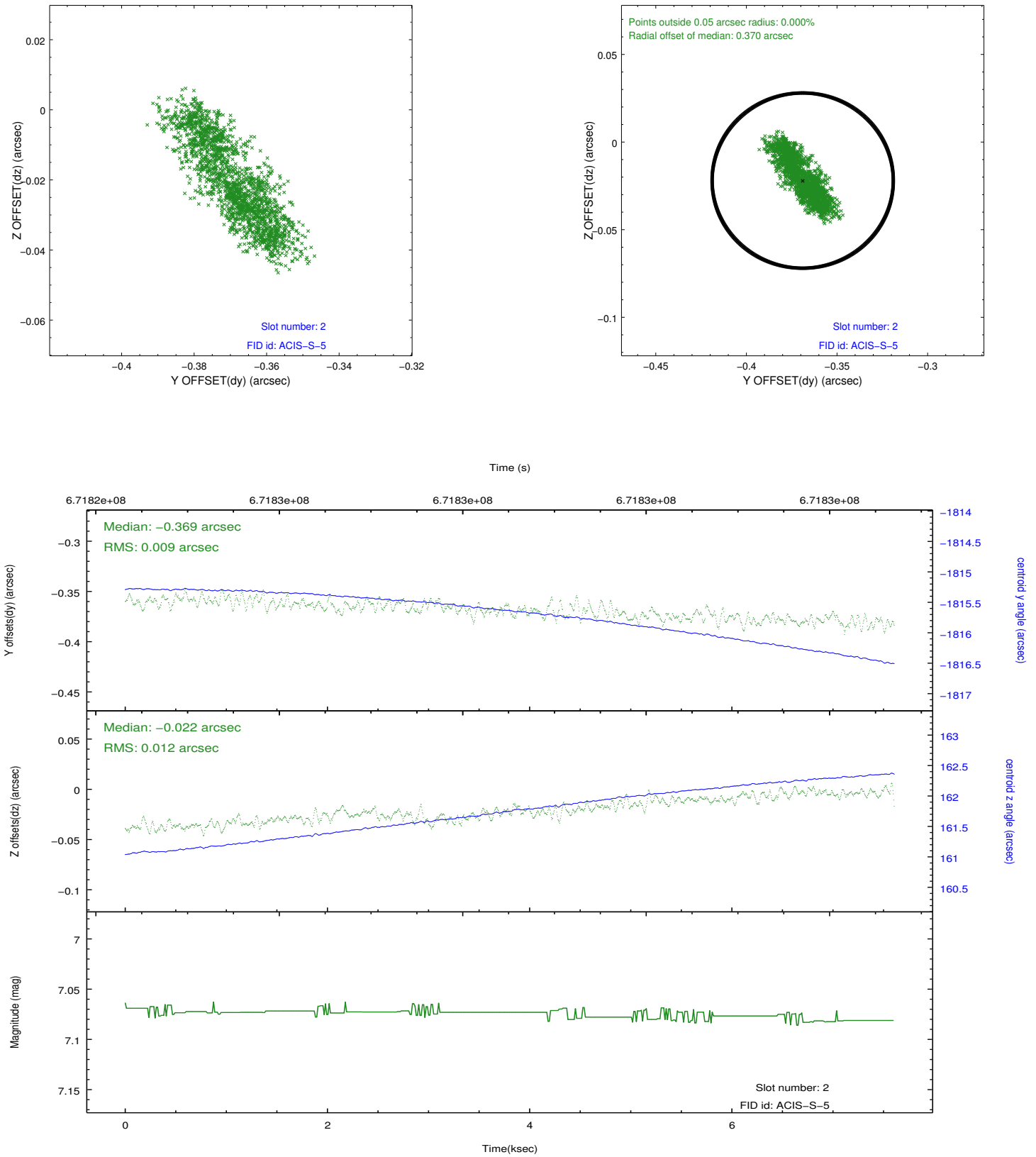
2.5.1 Slot 0



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)	2019.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5640000582933

A.2 Comments