

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21183 - L2 Version 1
Chandra X-Ray Center

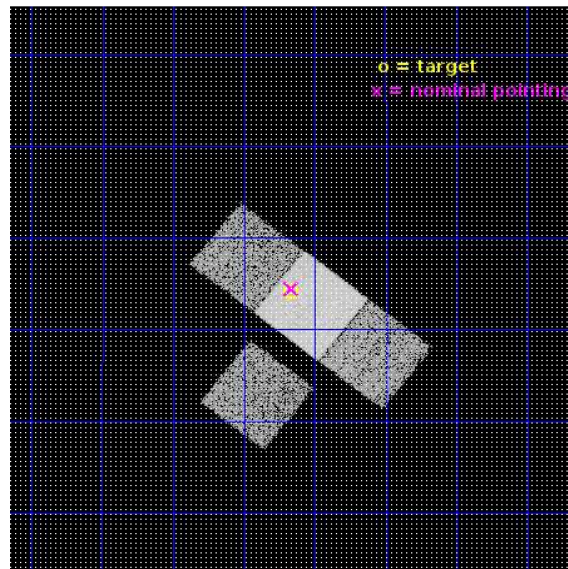
L2 Processing Date : Dec 20 2018

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1 Front

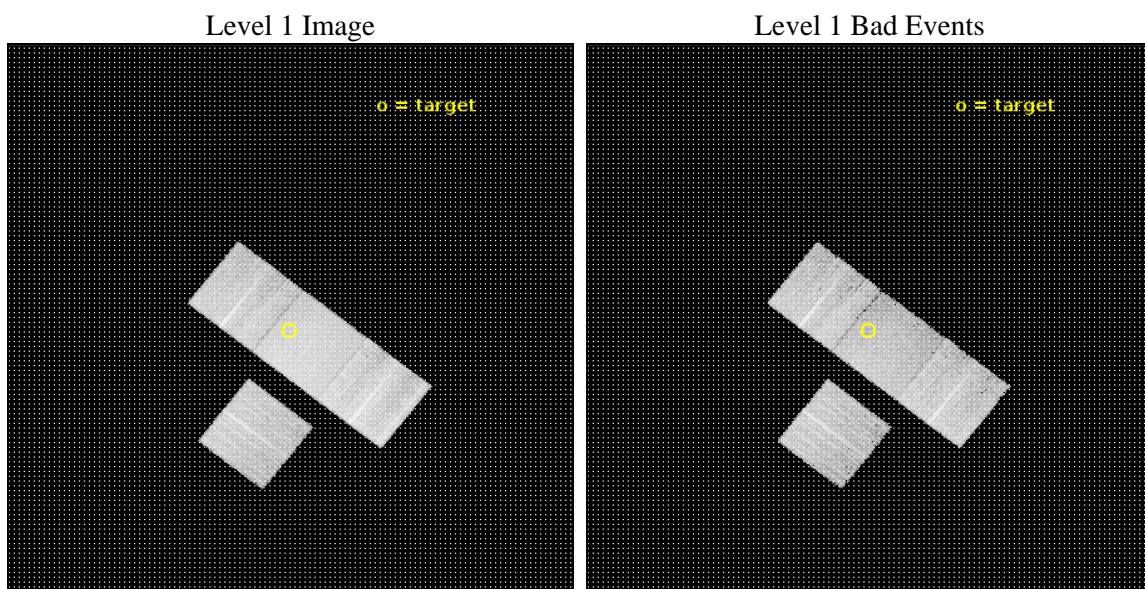
seq_num	201237	Sequence number
obs_id	21183	Observation id
title	Does accretion effect the X-ray emission of Herbig stars?	Proposal
observer	Christian Schneider	Principal investigator
object	R Mon	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	99.79125	Observer's specified target RA [deg]
dec_targ	8.736028	Observer's specified target Dec [deg]
ra_nom	99.79107475759	Nominal RA [deg]
dec_nom	8.740954586834	Nominal Dec [deg]
roll_nom	37.994369787996	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10064.483099699	Sum of GTIs [s]
livetime	9932.9832186368	Livetime [s]
ontime3	10064.401019692	Sum of GTIs [s]
ontime6	10064.442059755	Sum of GTIs [s]
ontime7	10064.483099699	Sum of GTIs [s]
ontime8	10064.359979749	Sum of GTIs [s]
l2events	65271	Number of level 2 events



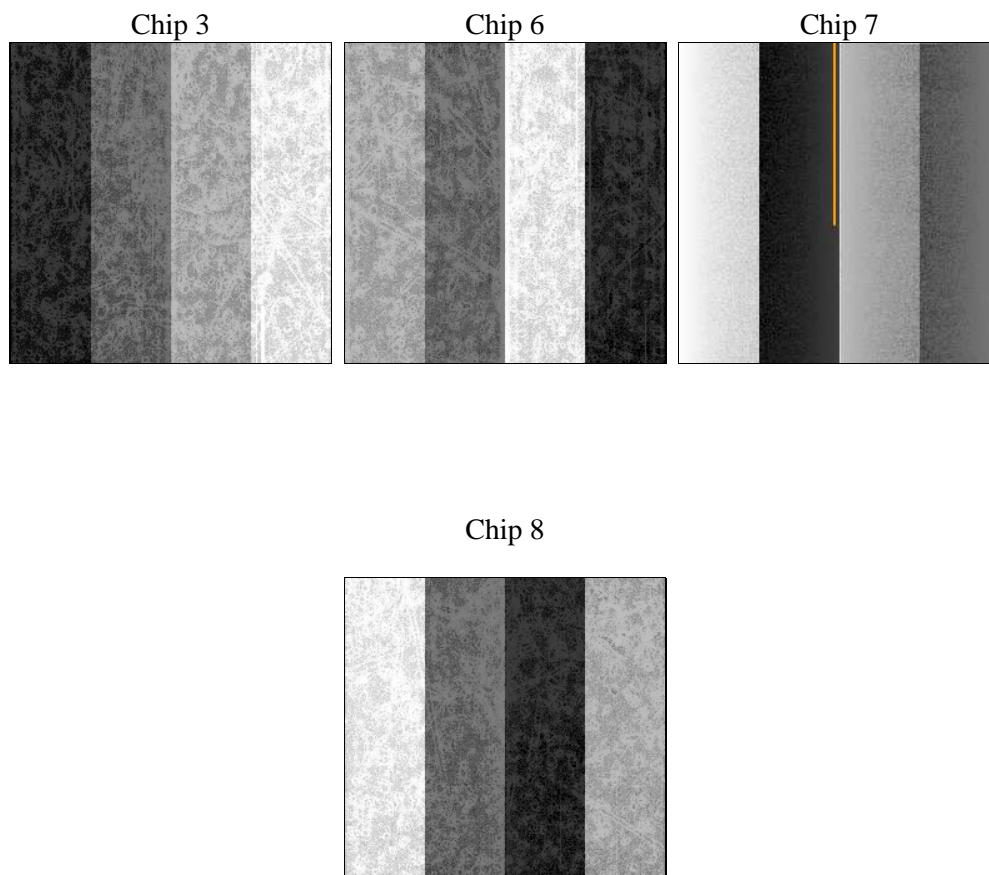
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	10064.483099699	Sum of GTIs [s]
caldsver	4.8.2	 	ontime3	10064.401019692	Sum of GTIs [s]
date	2018-12-20T05:27:55	Date and time of file creation	ontime6	10064.442059755	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	10064.483099699	Sum of GTIs [s]
			ontime8	10064.359979749	Sum of GTIs [s]
			l1events	345428	Number of level 1 events

2.1.4 Events

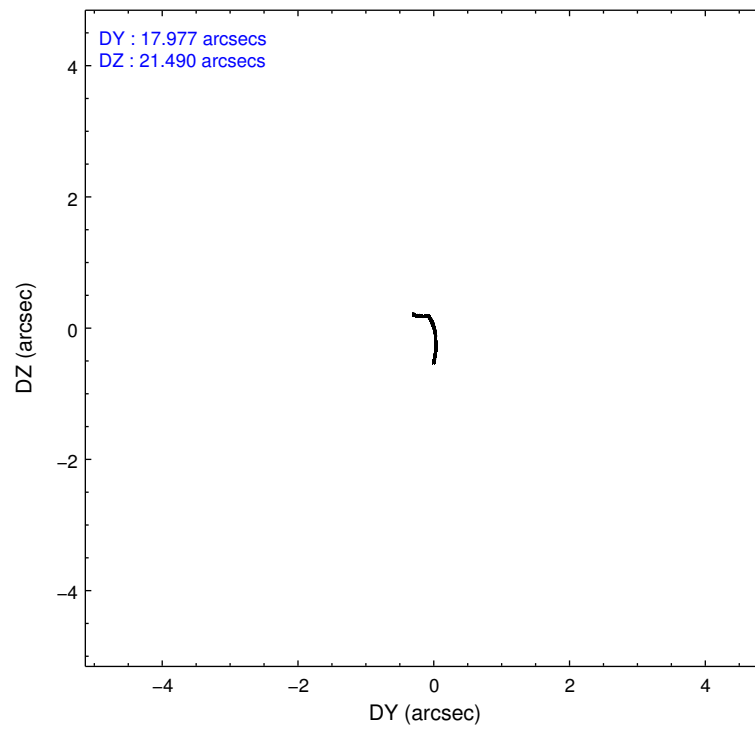
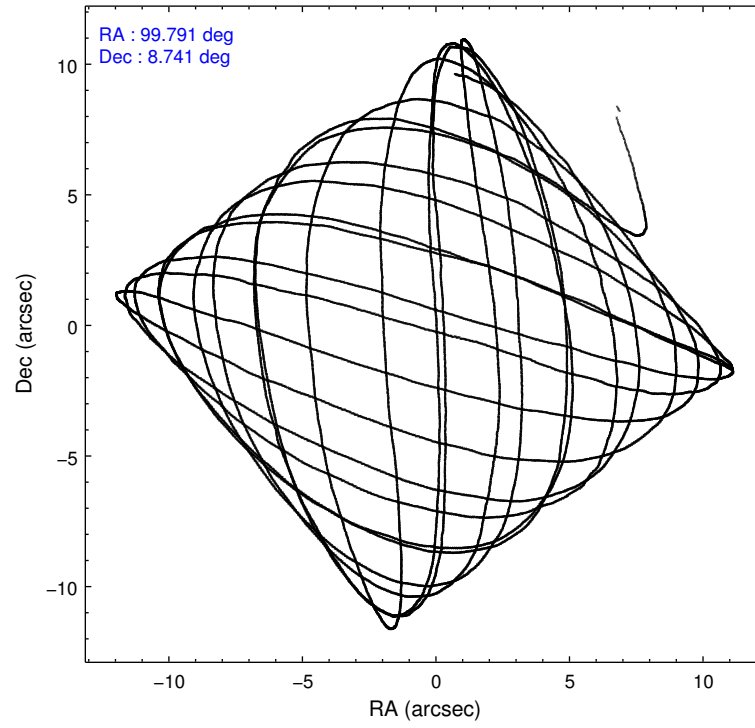
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	71278	76534	97190	100426
rejected events	63435	67666	54893	72736
rejected %	88%	88%	56%	72%

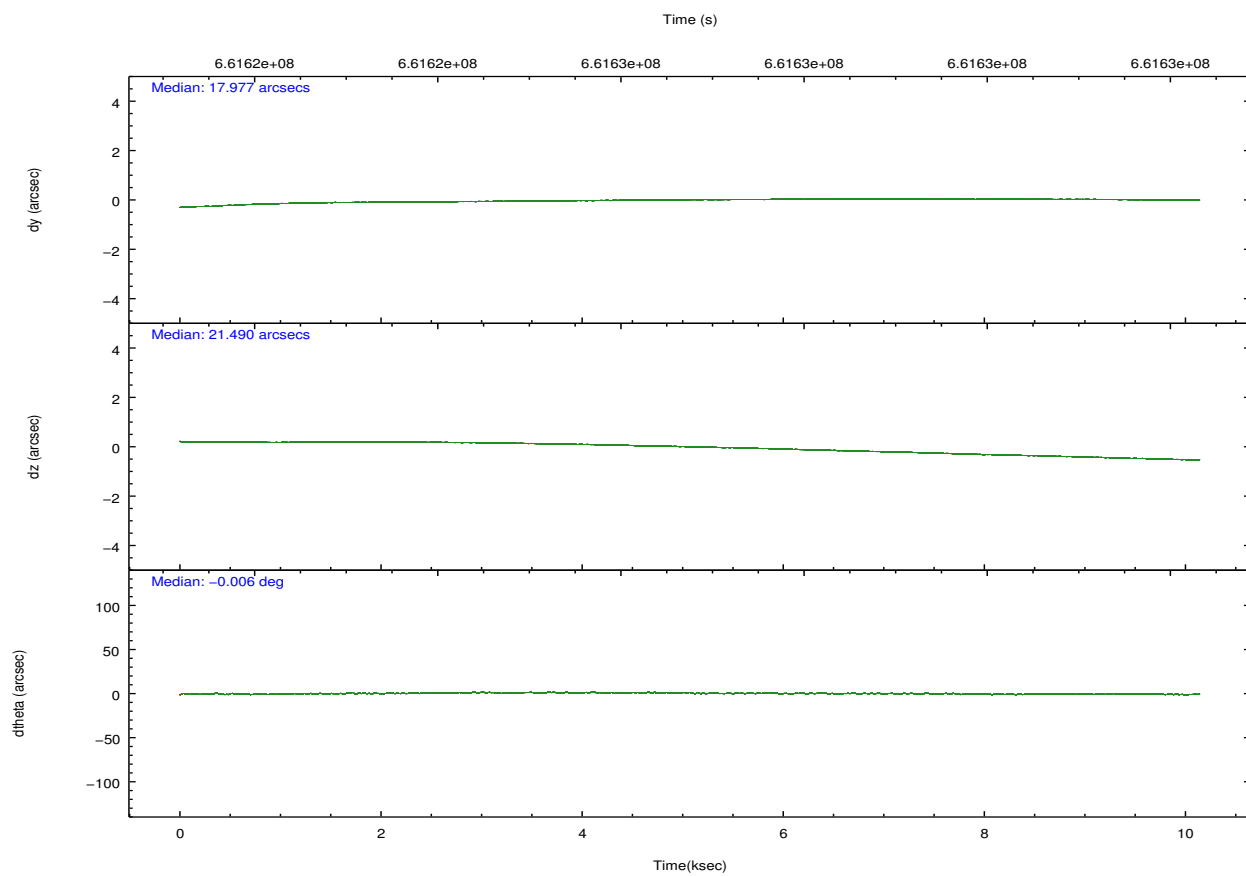
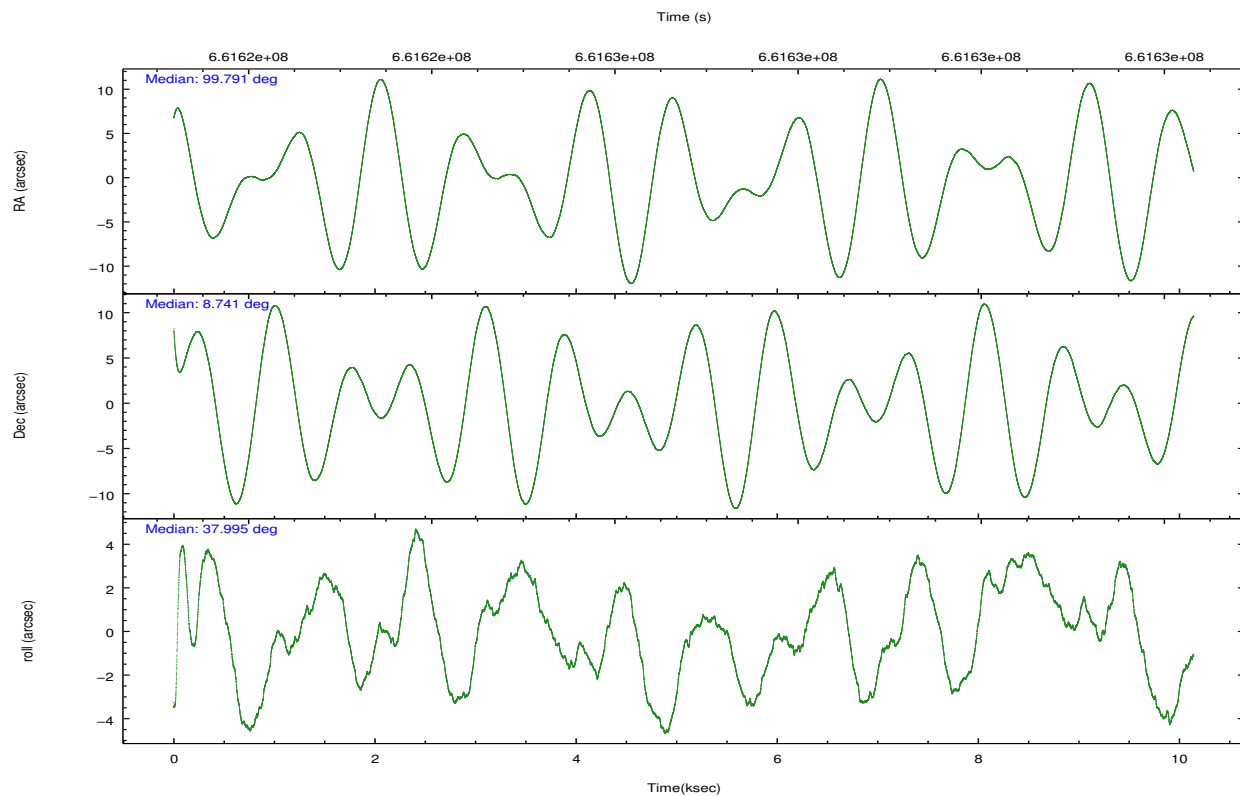
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2766	2961	3567	8053
	3%	3%	3%	8%
grade 1 events	44	43	141	68
	0%	0%	0%	0%
grade 2 events	1758	2105	9162	6657
	2%	2%	9%	6%
grade 3 events	796	843	3306	2920
	1%	1%	3%	2%
grade 4 events	850	923	3294	2799
	1%	1%	3%	2%
grade 5 events	3592	3624	9707	5293
	5%	4%	9%	5%
grade 6 events	1681	2042	22995	7288
	2%	2%	23%	7%
grade 7 events	59791	63993	45018	67348
	83%	83%	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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	99.781000	99.79107475758967	CCD I2 on	O1	N
[deg] Pointing Dec	8.715332	8.740954586833954	CCD I3 on	Y	Y
[deg] Pointing Roll	37.839278	37.99436978799601	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	661621819.184000	661620485.46097	CCD S5 on	N	N
Observation start date	2018-12-19T15:49:10	2018-12-19T15:28:05	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	661631819.184000	661633161.63673	On-chip summing requested	N	N
Observation end date	2018-12-19T18:35:50	2018-12-19T18:59:21	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



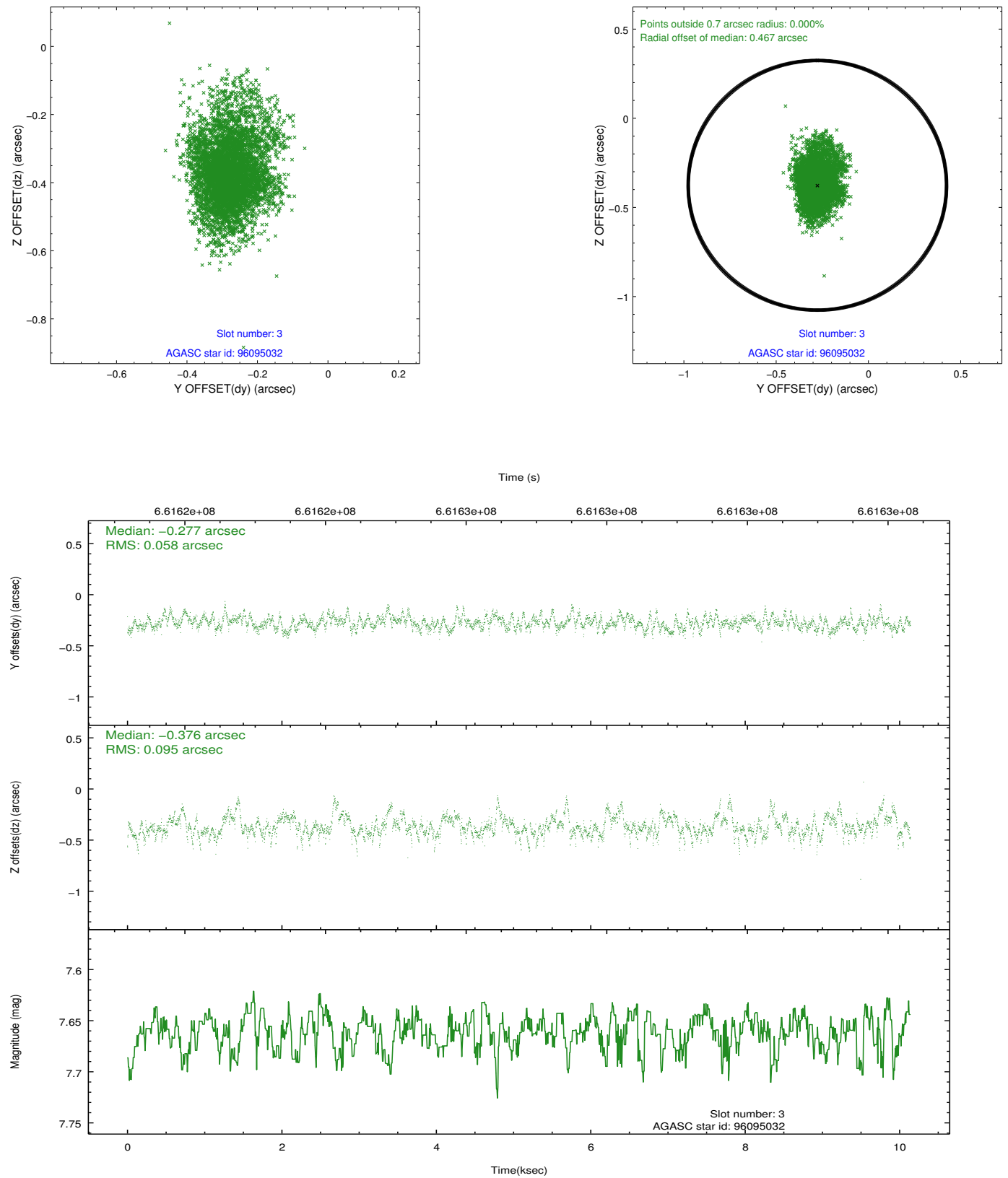


Slot Statistics

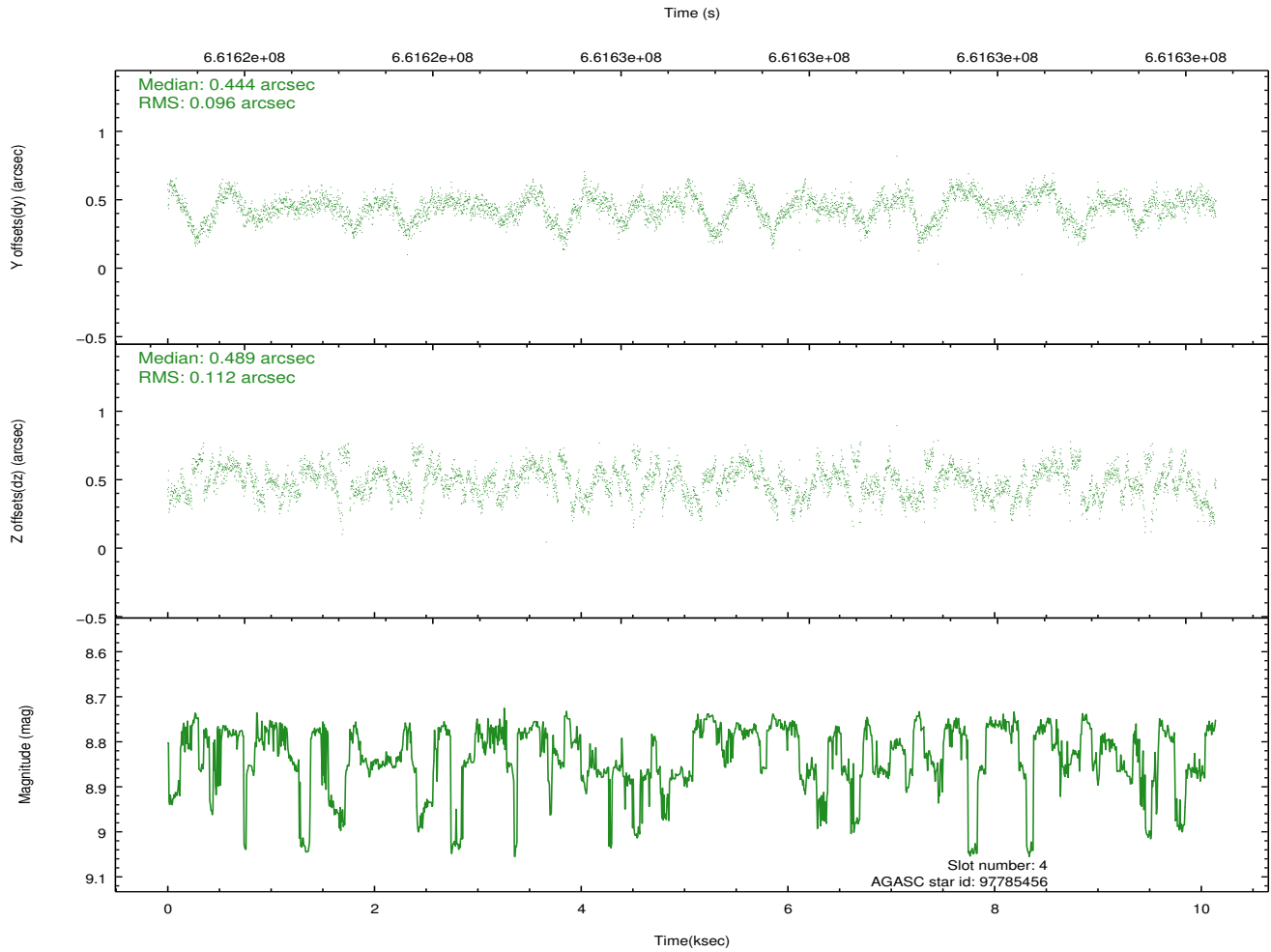
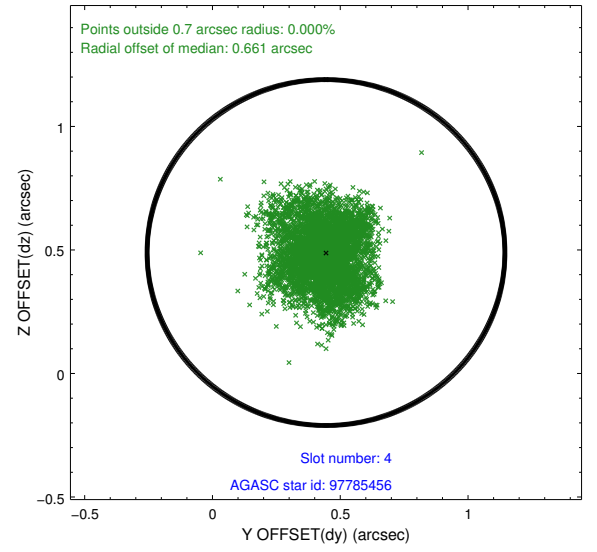
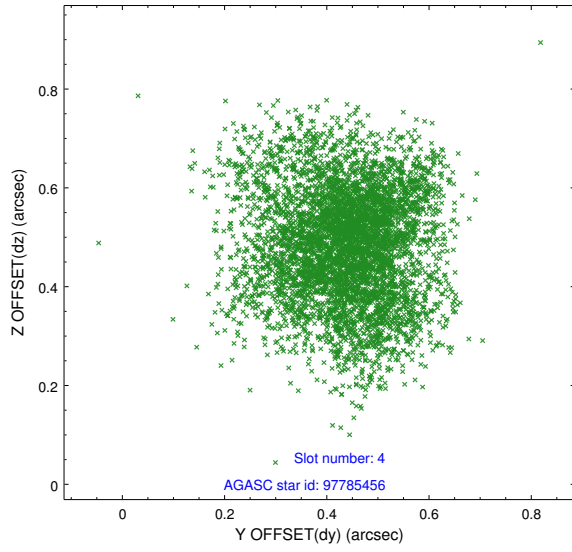
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.99	2474	1.000	-0.335	-0.251	0.011	0.017	0.000000	0.000000	-771.26	-1743
1	FID		ACIS-S-4	7.10	2473	1.000	0.784	0.228	0.010	0.022	0.000000	0.000000	2142.83	165
2	FID		ACIS-S-5	7.08	2474	1.000	-0.481	0.031	0.011	0.016	0.000000	0.000000	-1823.65	159
3	GUIDE	used	96095032	7.66	4948	1.000	-0.277	-0.376	0.112	0.205	99.382487	9.144280	-172.97	2087
4	GUIDE	used	97785456	8.83	4941	1.000	0.444	0.489	0.161	0.253	99.995607	8.273052	-372.47	-1725
5	GUIDE	used	97790816	8.26	4943	1.000	0.410	0.881	0.091	0.152	99.712726	7.971541	-1834.59	-1965
6	GUIDE	used	97793672	8.53	4942	1.000	-0.292	-0.270	0.108	0.181	99.657664	9.160198	635.64	1532
7	GUIDE	used	98317704	8.40	4944	1.000	-0.264	-0.732	0.153	0.229	99.789996	9.529558	1822.89	2294

2.4 Star Slots

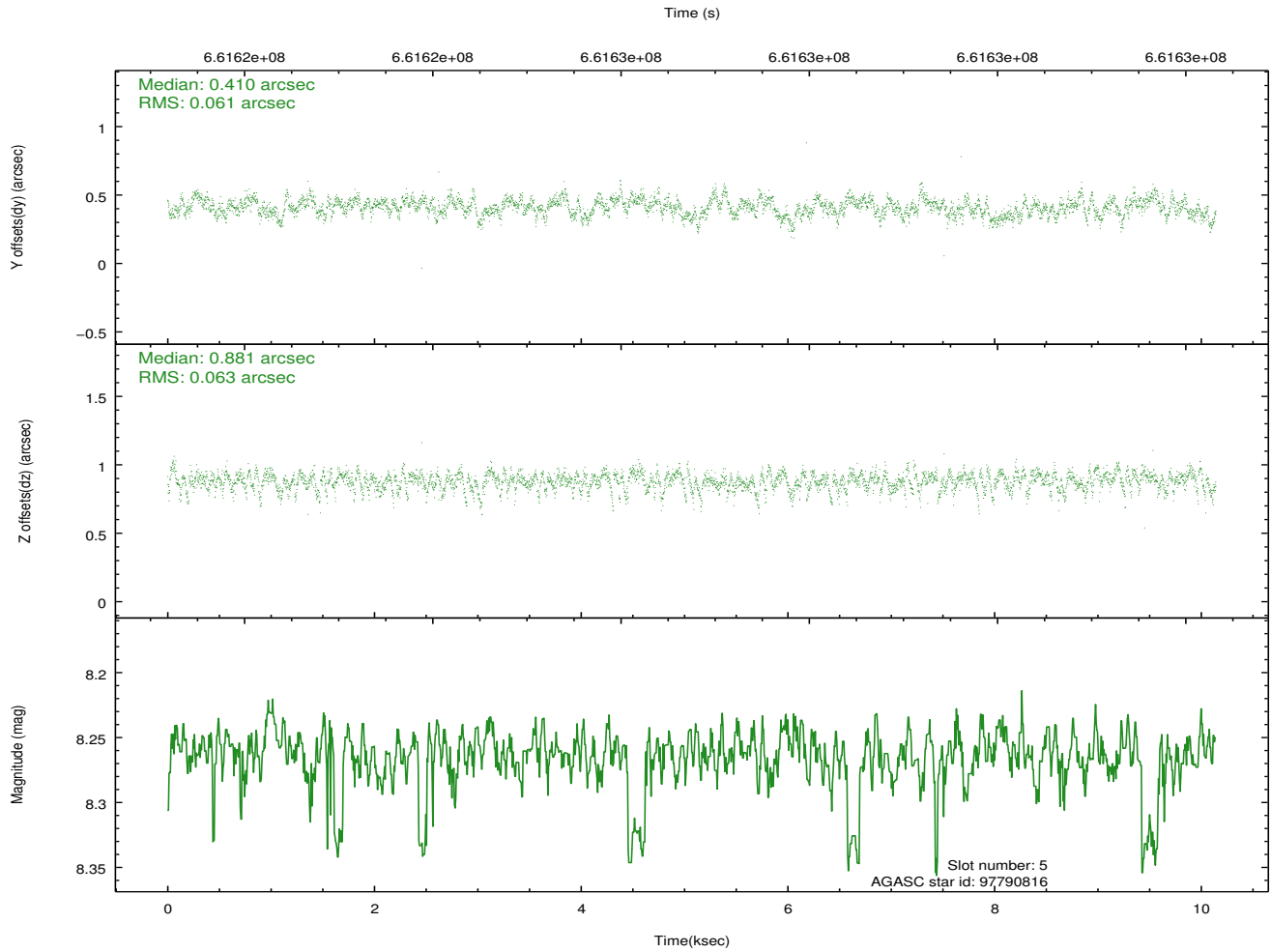
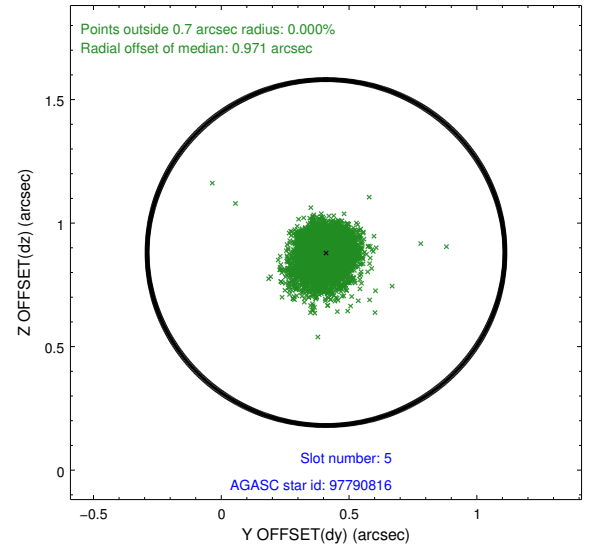
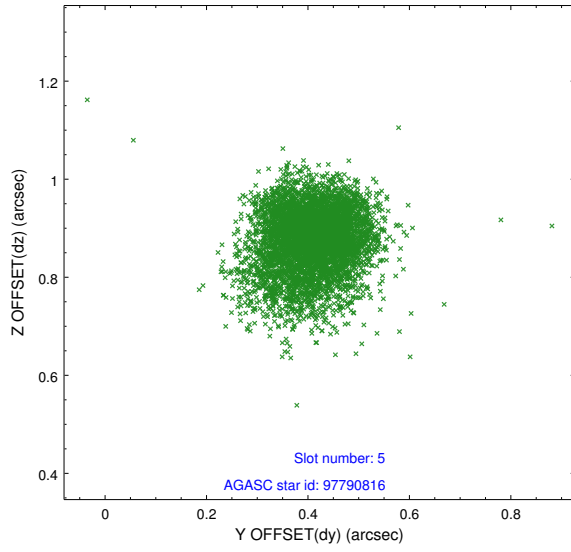
2.4.1 Slot 3



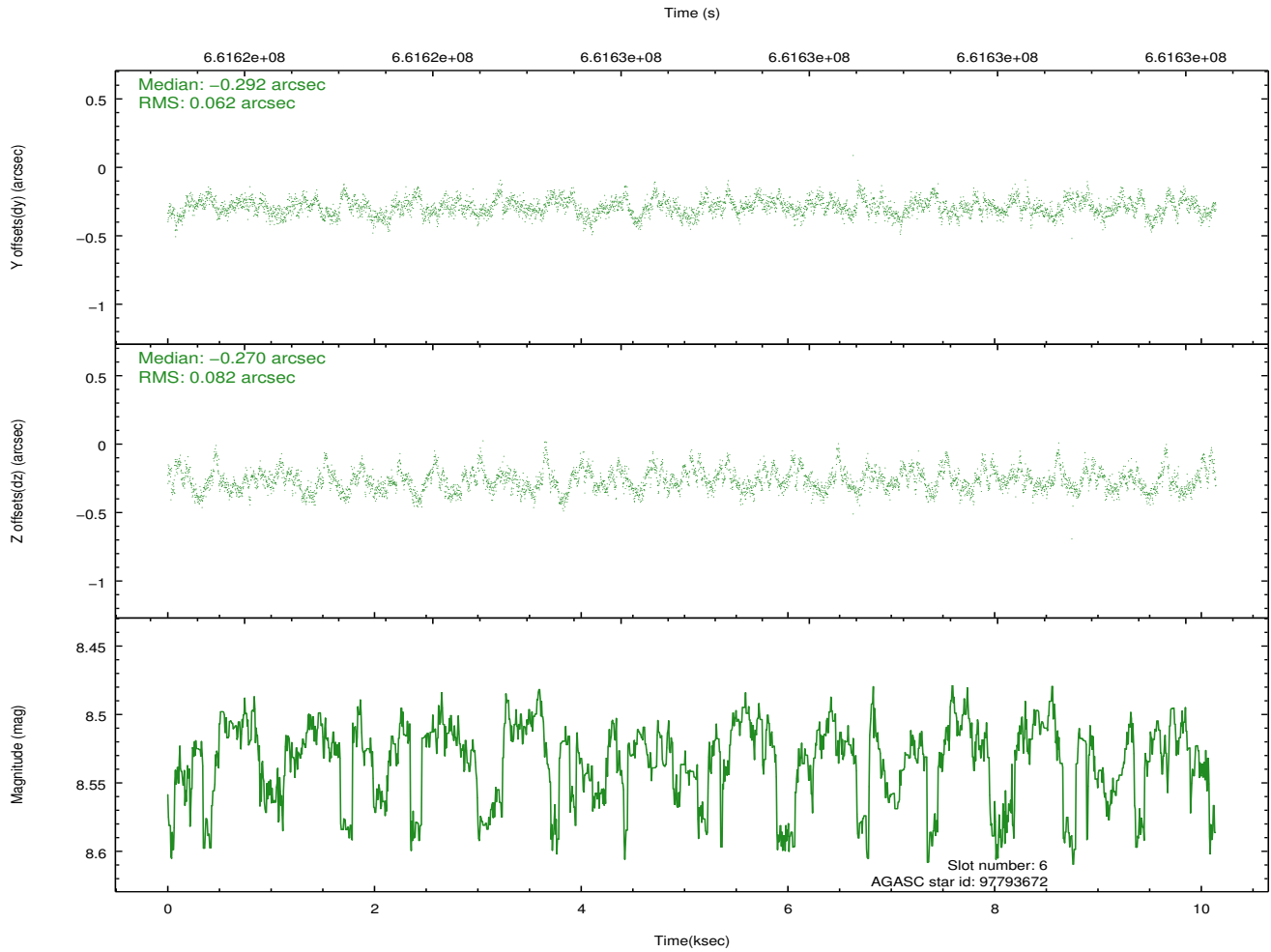
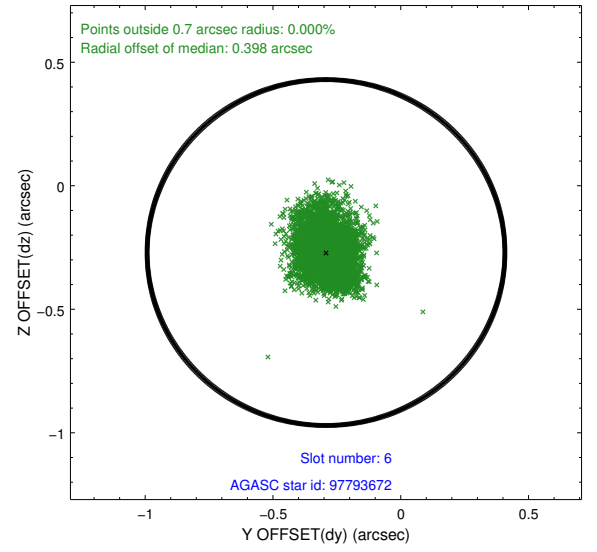
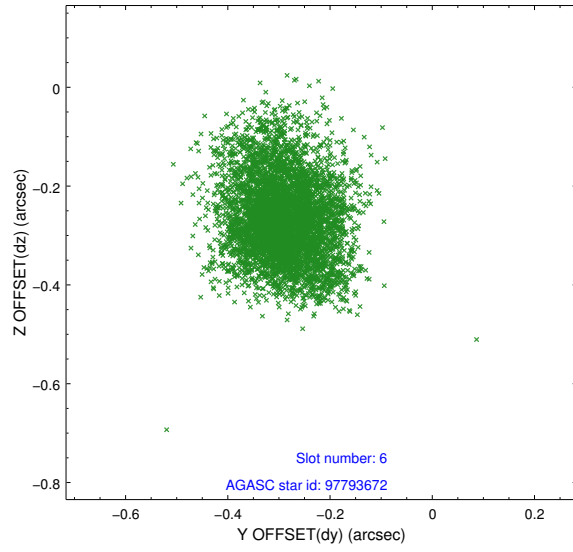
2.4.2 Slot 4



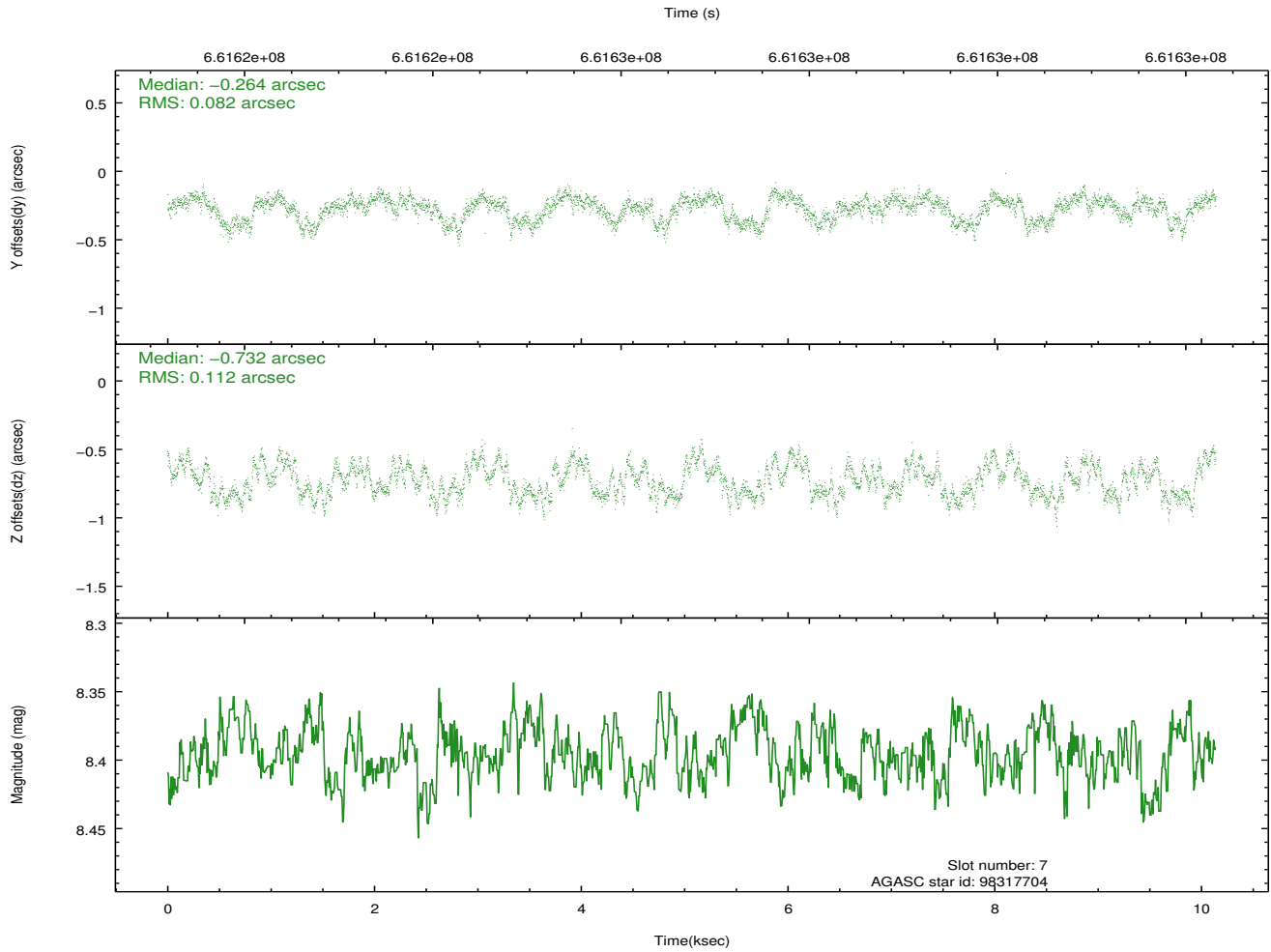
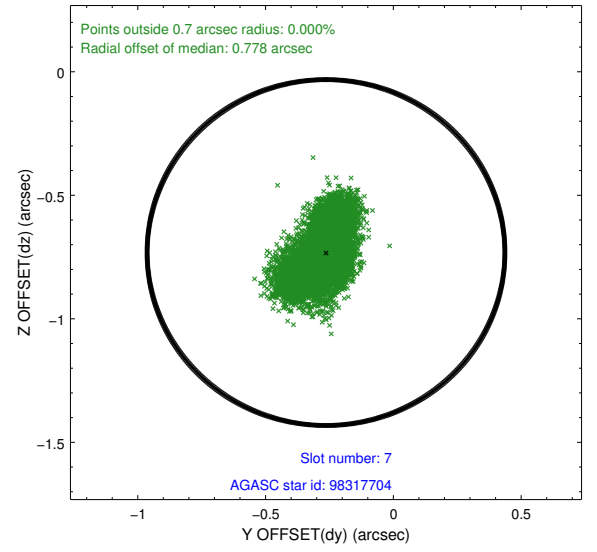
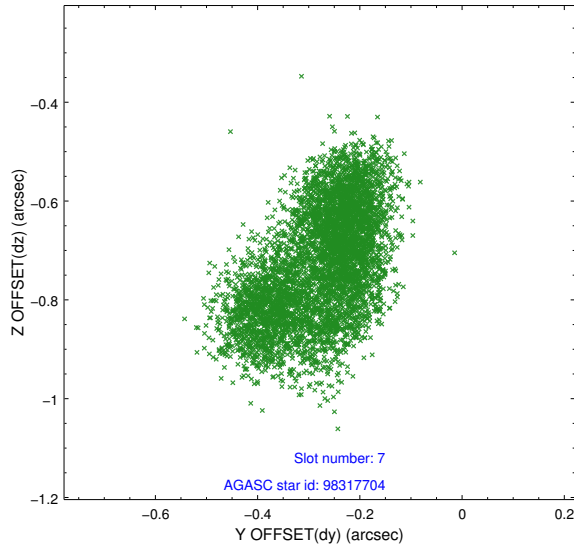
2.4.3 Slot 5



2.4.4 Slot 6

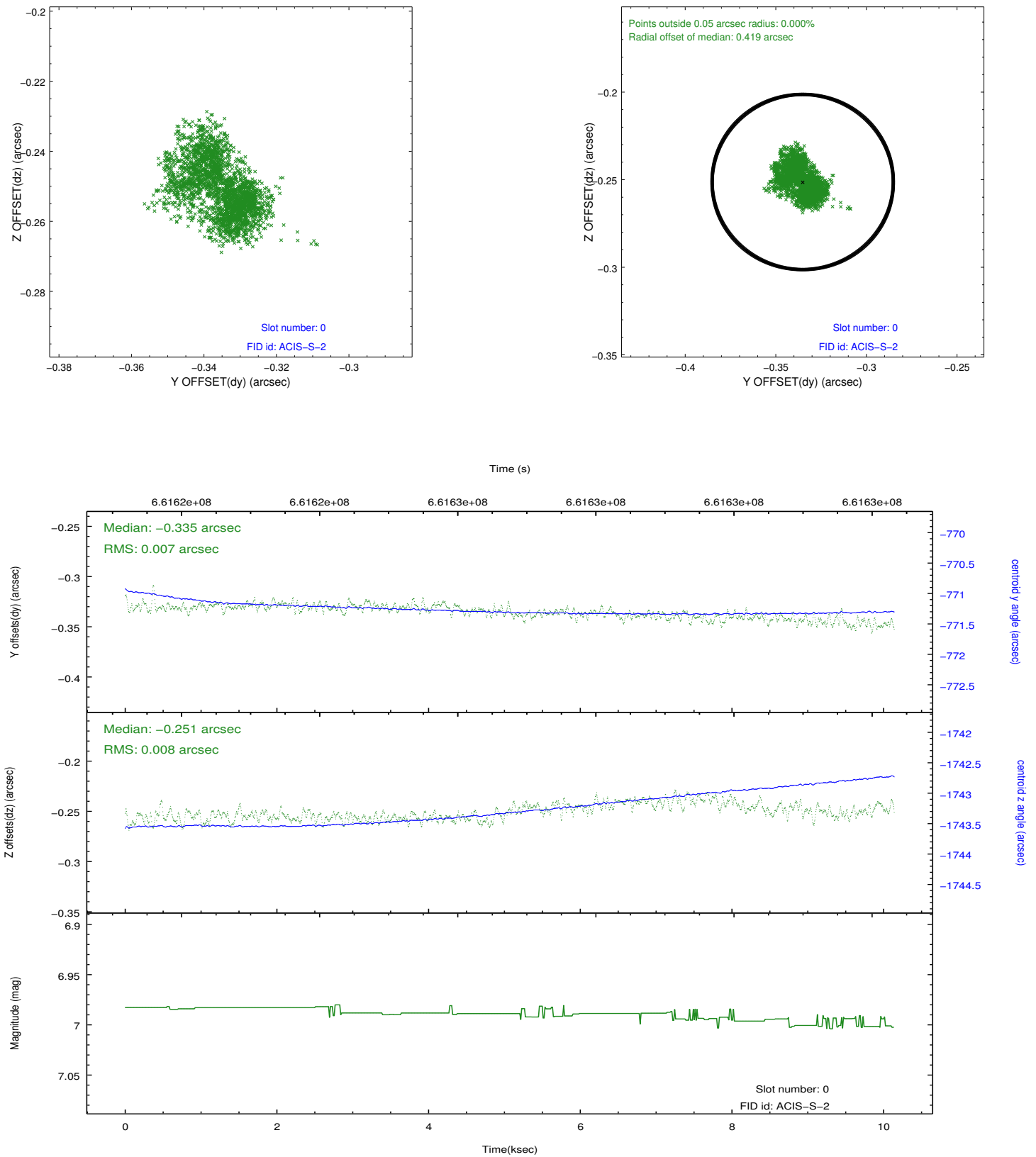


2.4.5 Slot 7

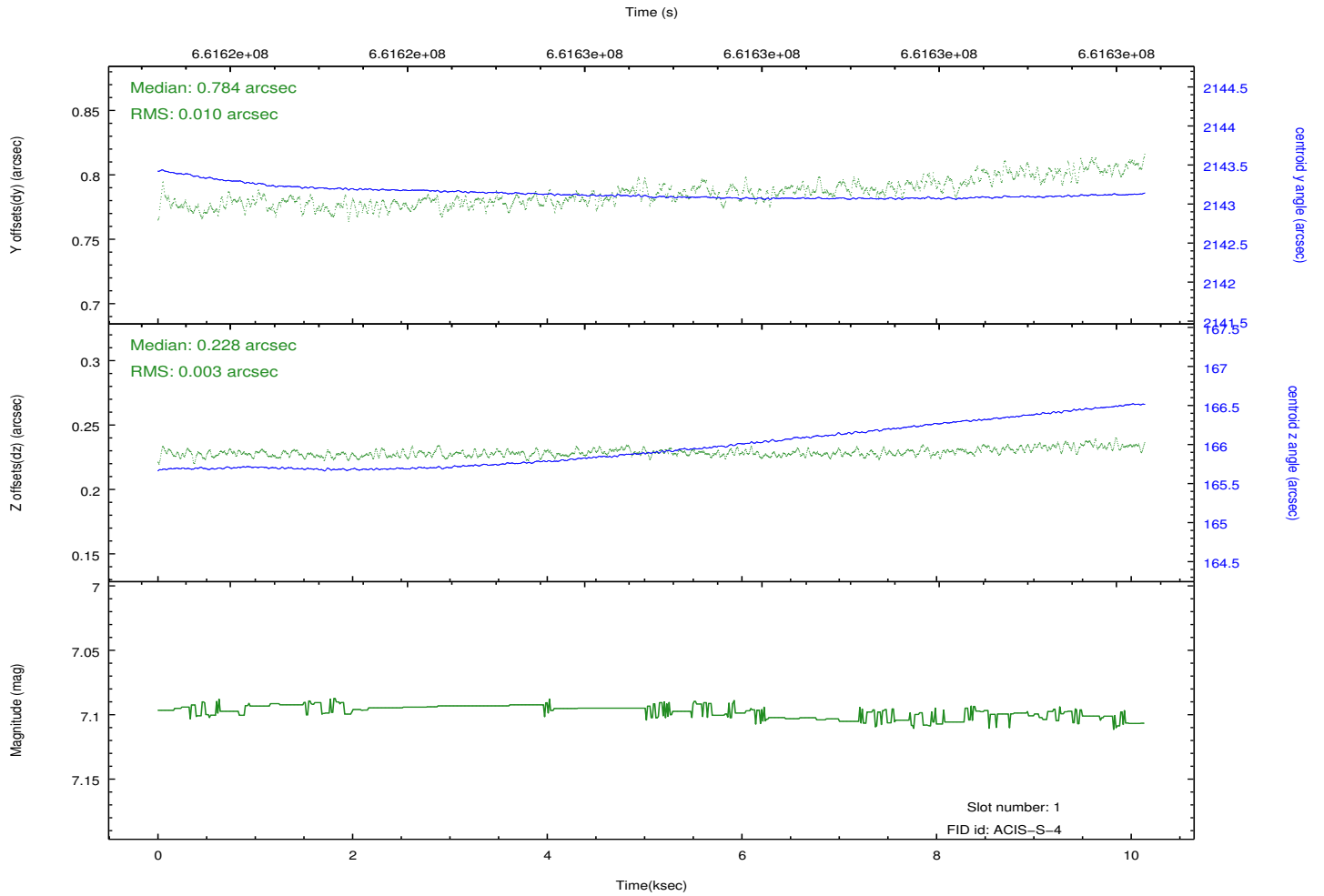
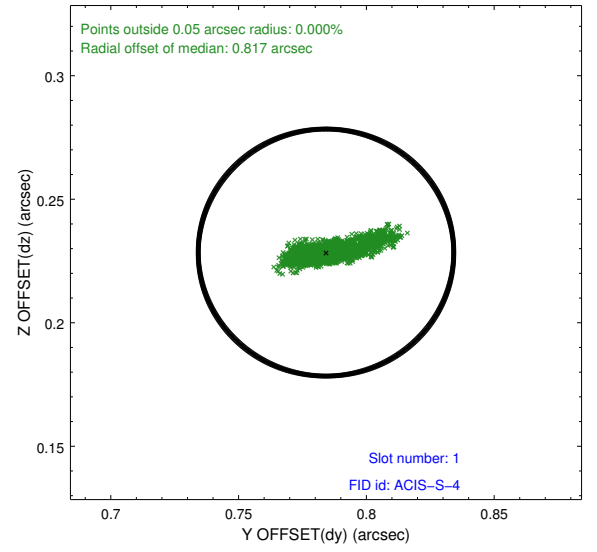
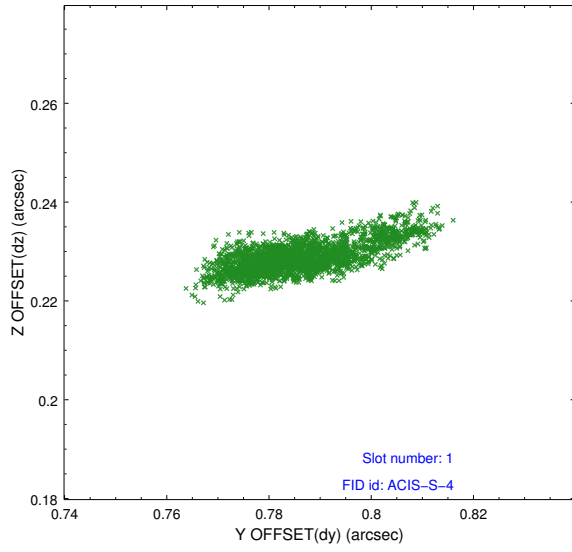


2.5 FID Slots

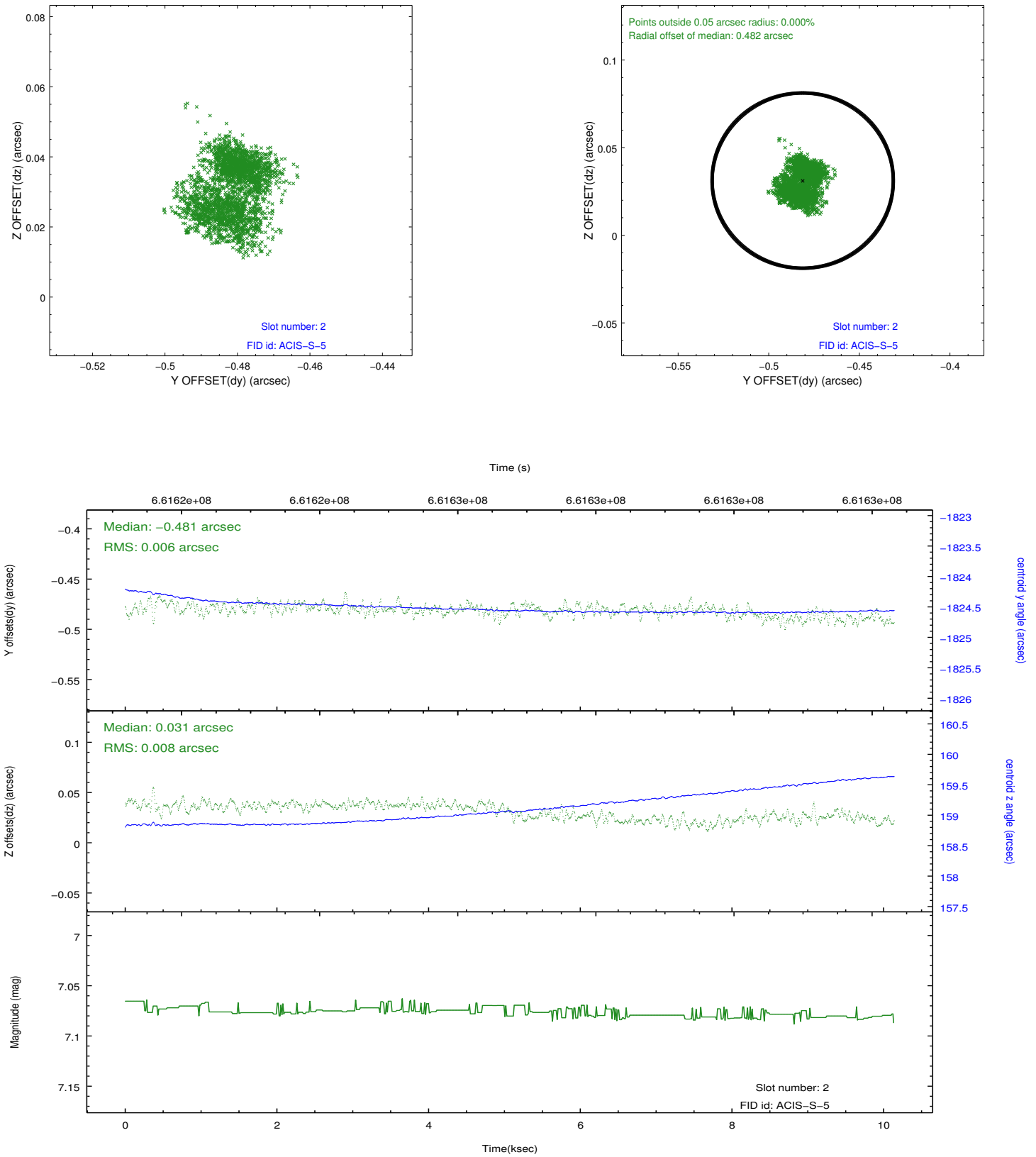
2.5.1 Slot 0



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)	2018.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.064483099699

A.2 Comments

Optional chip I2 not included.