

V&V Reference Report

L2 ASCDS Version : 10.8.1

Observation 22590 - L2 Version 1
Chandra X-Ray Center

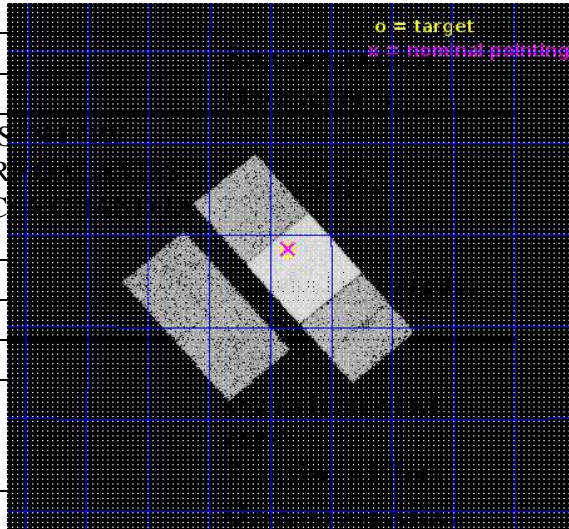
L2 Processing Date : Oct 20 2019

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1 Front

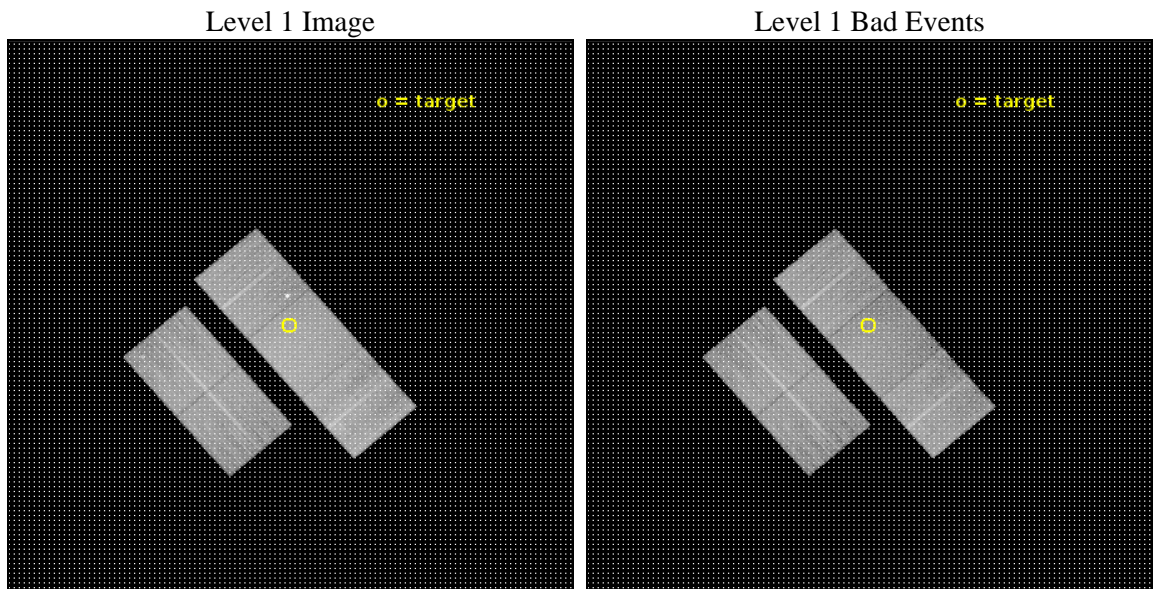
seq_num	703976	
obs_id	22590	
title	THE HUNT FOR AGNS METALLICITY DWARF WITH KECK NIRSPEC FOLLOW-UP STUDY	
observer	Mario Gliozzi	
object	SDSS J1056+3138	
dtcycle	0	
cycle	P	
ra_targ	164.08939	target RA [deg]
dec_targ	31.639484	Observer's specified target Dec [deg]
ra_nom	164.08738437113	Nominal RA [deg]
dec_nom	31.64251913163	Nominal Dec [deg]
roll_nom	49.32781446925	Nominal Roll [deg]
revision	1	Processing version of data
ontime	16045.600123525	Sum of GTIs [s]
livetime	15835.952545312	Livetime [s]
ontime2	16042.459073305	Sum of GTIs [s]
ontime3	16045.600123525	Sum of GTIs [s]
ontime6	16042.459123254	Sum of GTIs [s]
ontime7	16045.600123525	Sum of GTIs [s]
ontime8	16045.600123525	Sum of GTIs [s]
l2events	114275	Number of level 2 events



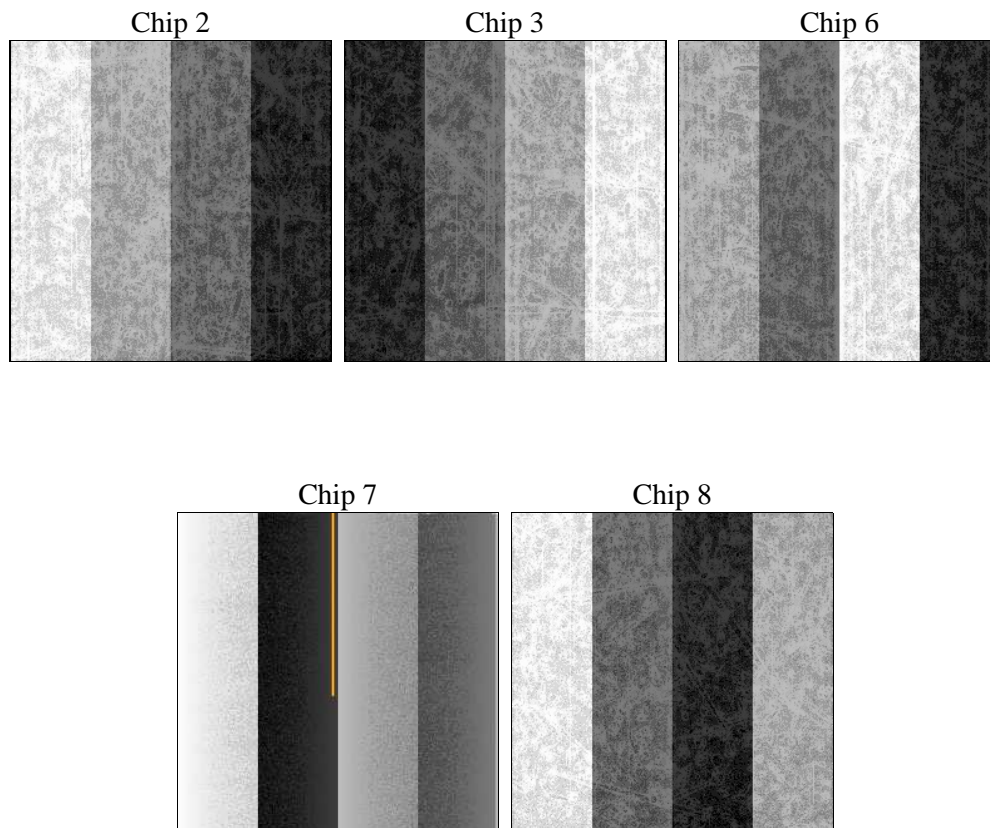
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16000.000000	[s] Scheduled observation exposure time
ascdsver	10.8.1	Processing system revision	ontime	16045.600123525	Sum of GTIs [s]
caldbver	4.8.4.2	 	ontime2	16042.459073305	Sum of GTIs [s]
date	2019-10-20T05:44:24	Date and time of file creation	ontime3	16045.600123525	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	16042.459123254	Sum of GTIs [s]
			ontime7	16045.600123525	Sum of GTIs [s]
			ontime8	16045.600123525	Sum of GTIs [s]
			l1events	719347	Number of level 1 events

2.1.4 Events

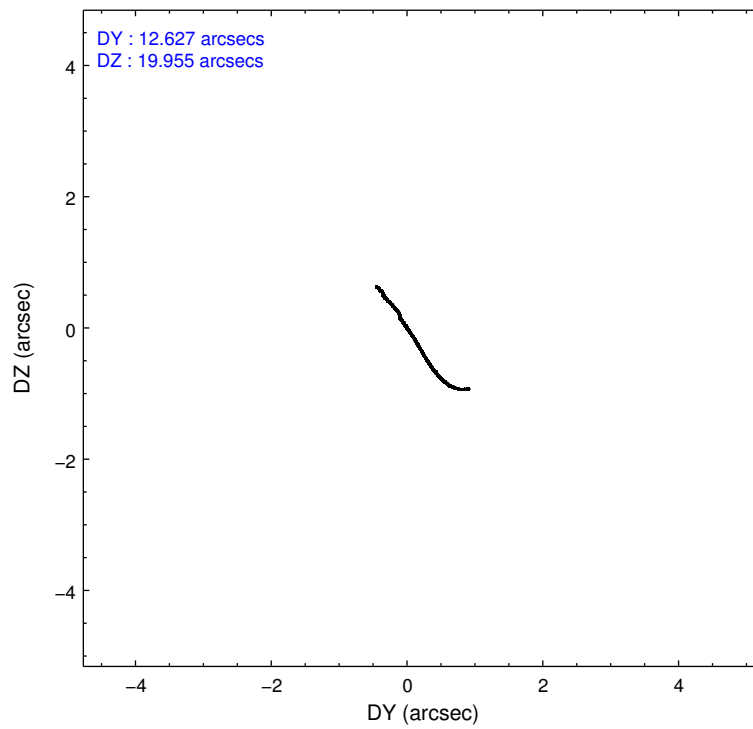
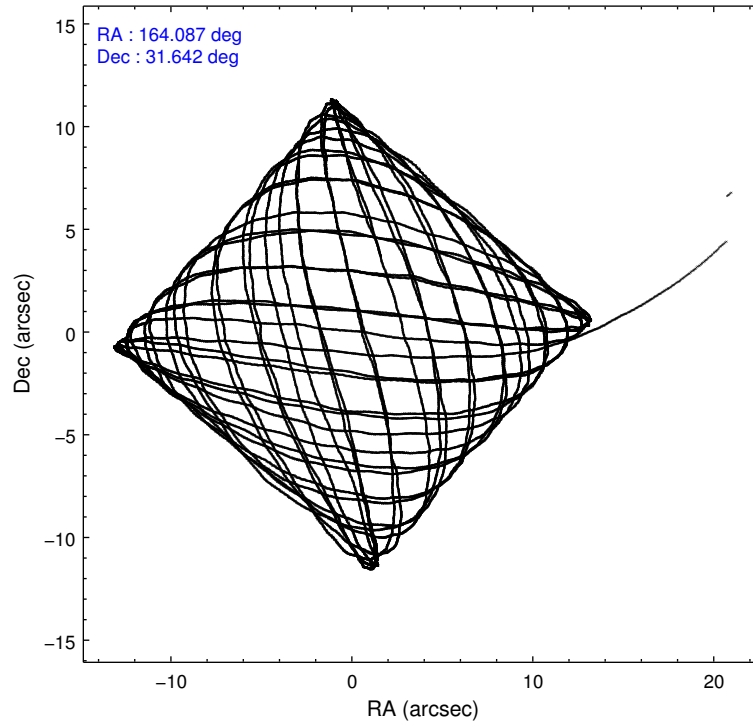
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	133778	121837	138438	162193	163101
rejected events	120629	109410	119625	93410	122245
rejected %	90%	89%	86%	57%	74%

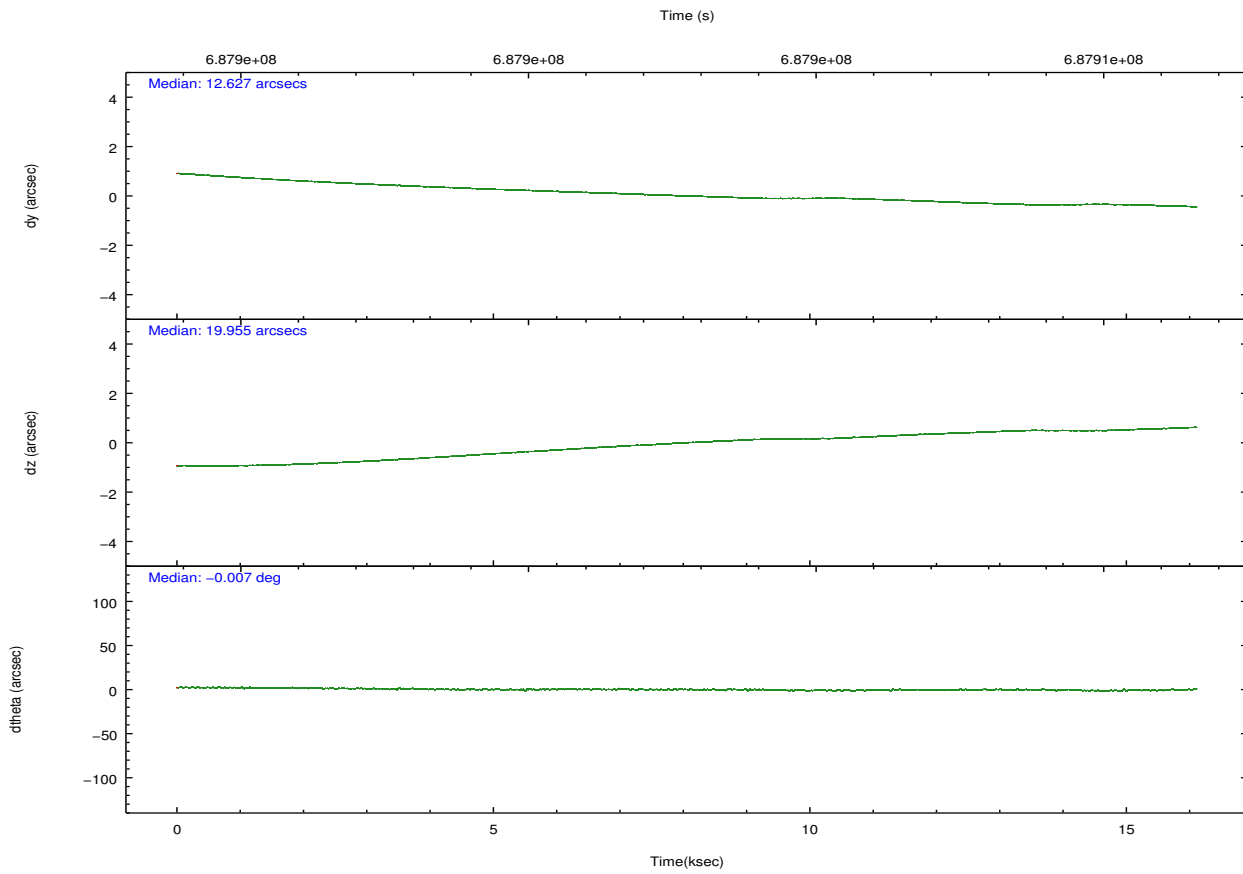
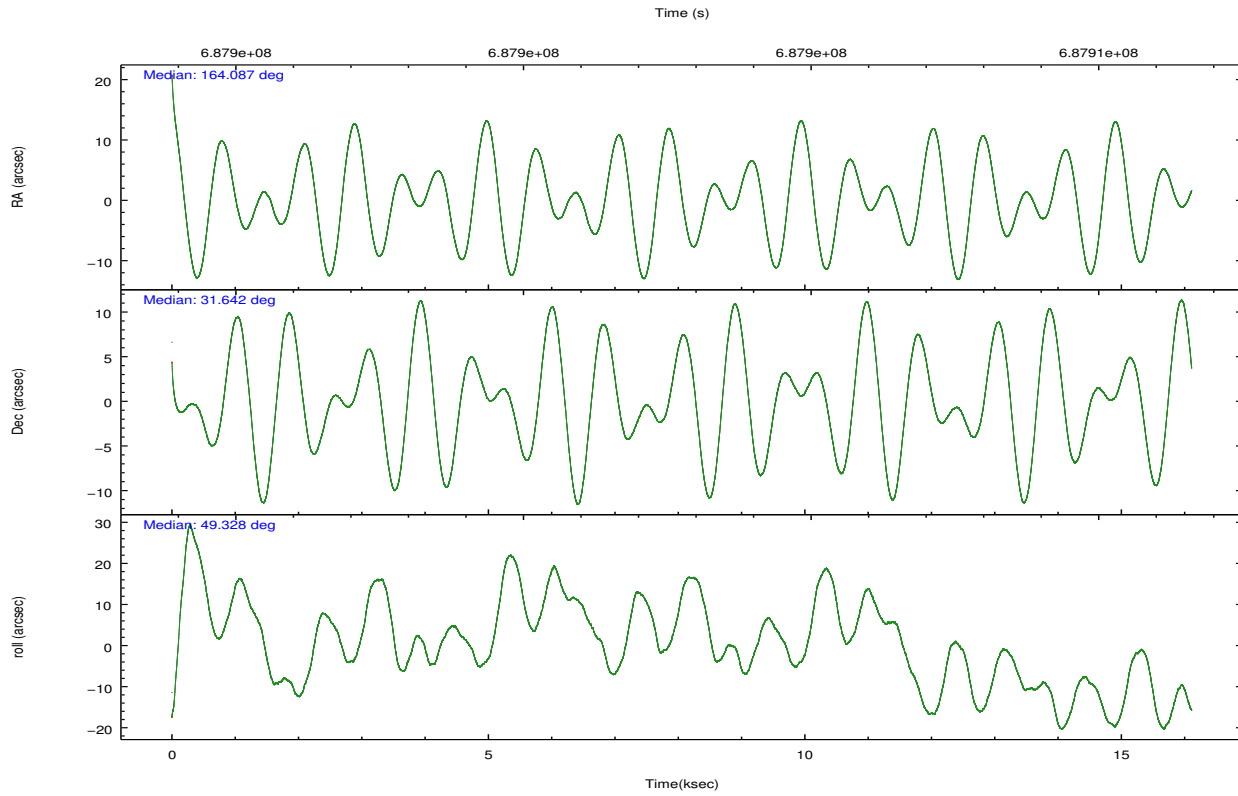
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4910	4249	8667	5559	11221
	3%	3%	6%	3%	6%
grade 1 events	60	56	89	262	105
	0%	0%	0%	0%	0%
grade 2 events	3131	2858	3991	14482	10244
	2%	2%	2%	8%	6%
grade 3 events	1252	1260	1141	5241	3916
	0%	1%	0%	3%	2%
grade 4 events	1250	1289	1091	5115	3789
	0%	1%	0%	3%	2%
grade 5 events	4130	5244	5259	15506	8326
	3%	4%	3%	9%	5%
grade 6 events	2610	2775	3925	38399	11692
	1%	2%	2%	23%	7%
grade 7 events	116435	104106	114275	77629	113808
	87%	85%	82%	47%	69%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	164.081830	164.087384371128	CCD I2 on	O1	Y
[deg] Pointing Dec	31.615464	31.64251913163003	CCD I3 on	O2	Y
[deg] Pointing Roll	49.174110	49.32781446924981	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	O4	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	O3	Y
[s] Observation start time (MET)	687894804.184000	687893510.9984699	CCD S5 on	N	N
Observation start date	2019-10-19T17:52:15	2019-10-19T17:31:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	687910804.184000	687912033.26208	On-chip summing requested	N	N
Observation end date	2019-10-19T22:18:55	2019-10-19T22:40:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





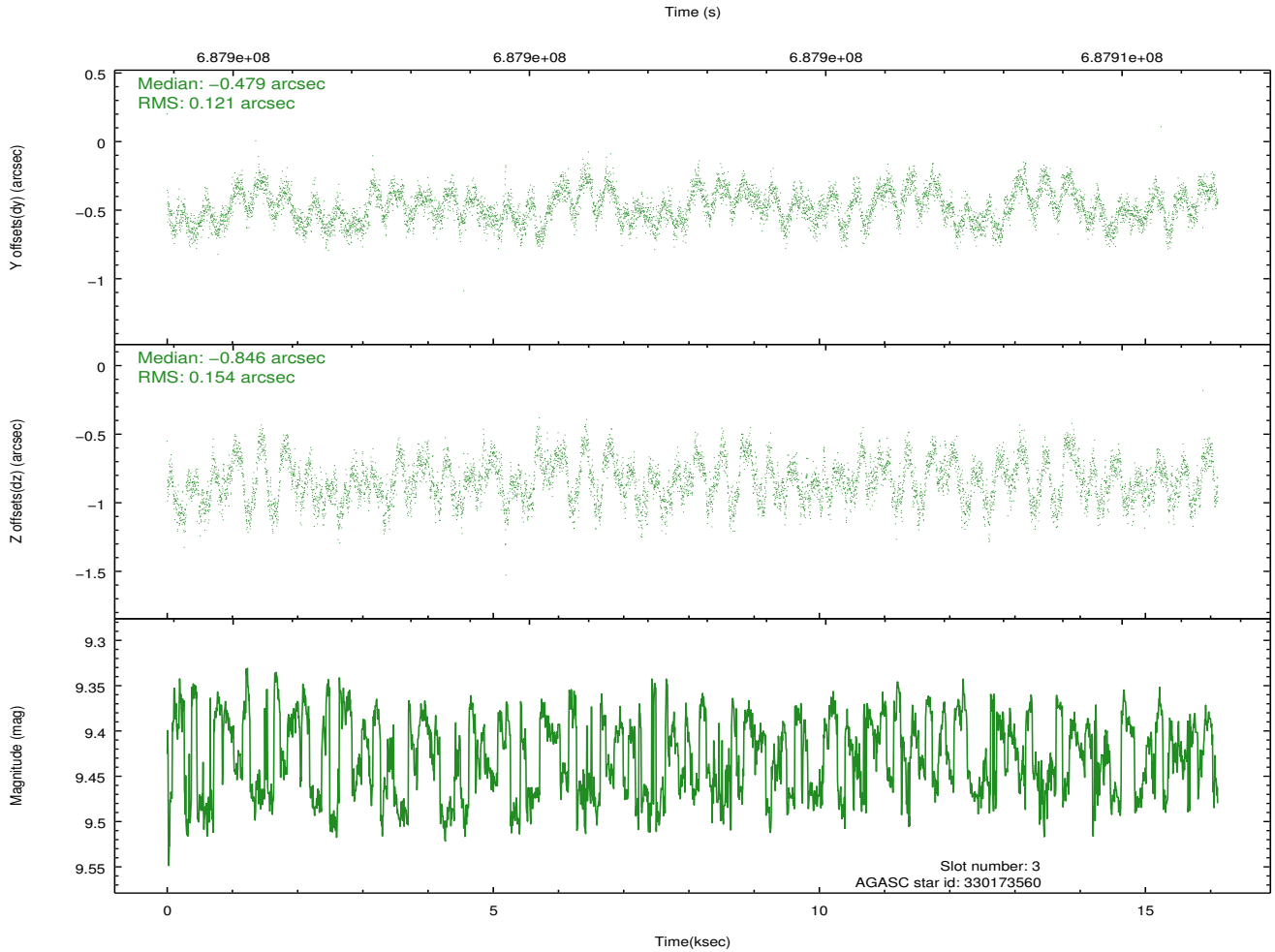
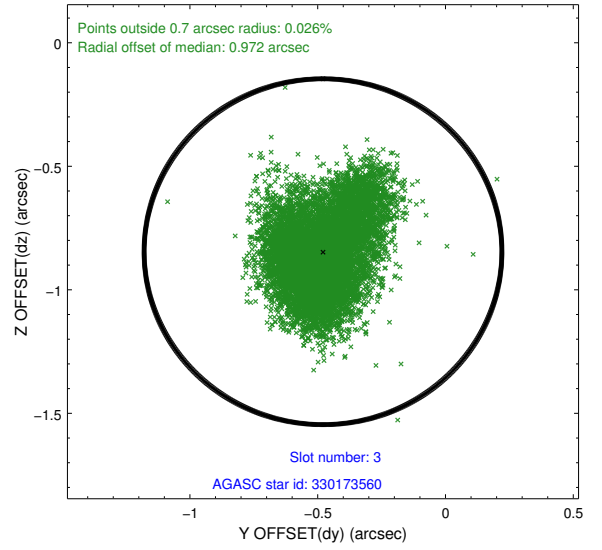
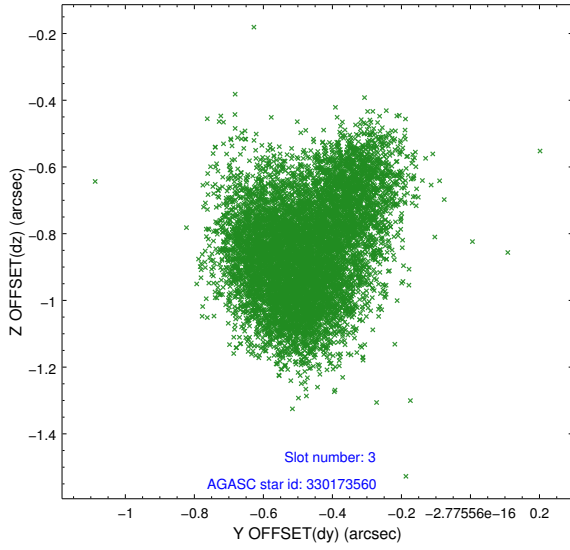
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	7.11	3930	1.000	-0.259	-0.163	0.029	0.053	0.000000	0.000000	-765.80	-1741
1	FID		ACIS-S-4	7.25	3929	1.000	0.719	0.169	0.037	0.058	0.000000	0.000000	2148.25	167
2	FID		ACIS-S-5	7.21	3929	1.000	-0.491	0.003	0.051	0.076	0.000000	0.000000	-1818.62	160
3	GUIDE	used	330173560	9.43	7841	1.000	-0.479	-0.846	0.211	0.327	163.808726	32.323527	1386.30	2295
4	GUIDE	used	330183088	9.55	7832	1.000	-0.232	0.017	0.195	0.345	164.675670	32.009783	2263.35	-440
5	GUIDE	used	330186856	8.74	7854	1.000	0.343	0.585	0.161	0.245	164.496331	31.082519	-614.12	-2218
6	GUIDE	used	330188336	8.32	7847	1.000	0.047	-0.264	0.161	0.255	163.622762	31.730624	-603.21	1336
7	GUIDE	used	330189264	8.43	7849	1.000	0.309	0.507	0.118	0.183	164.077638	31.039596	-1577.82	-1344

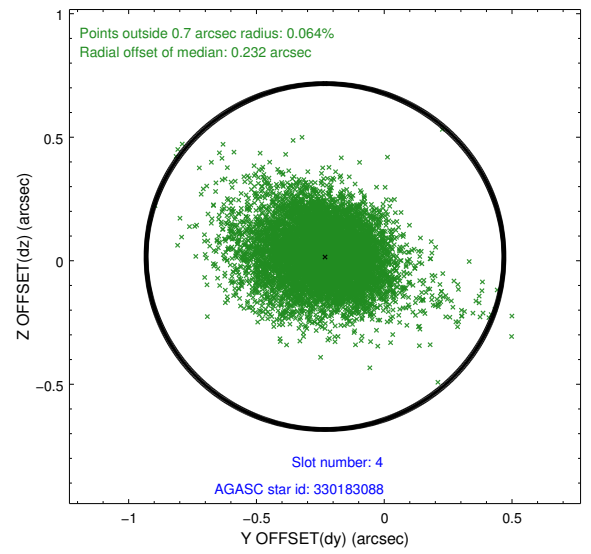
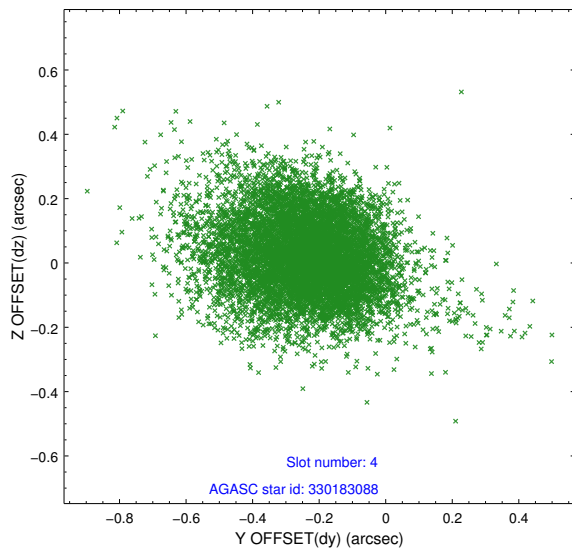
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2.4 Star Slots

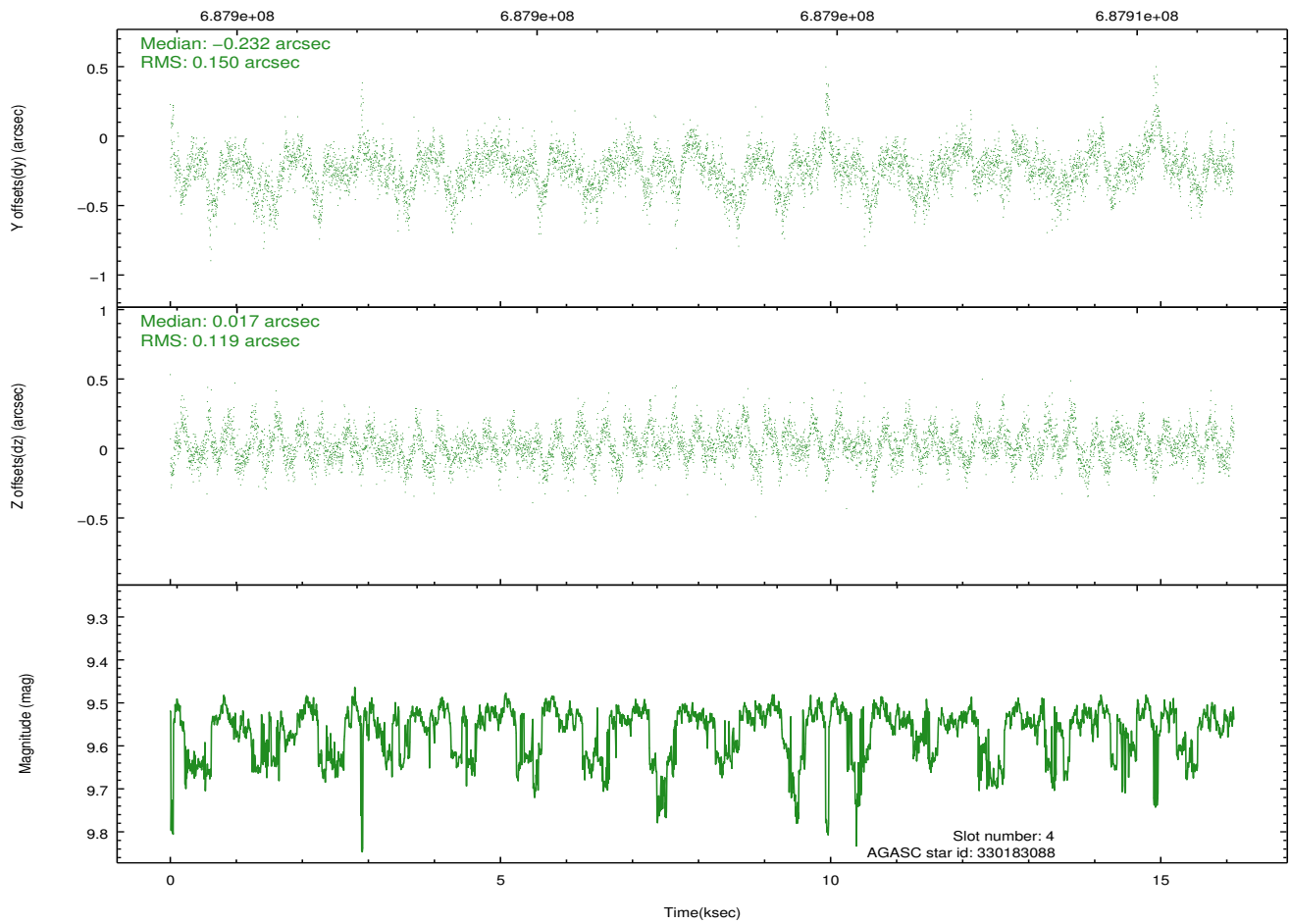
2.4.1 Slot 3



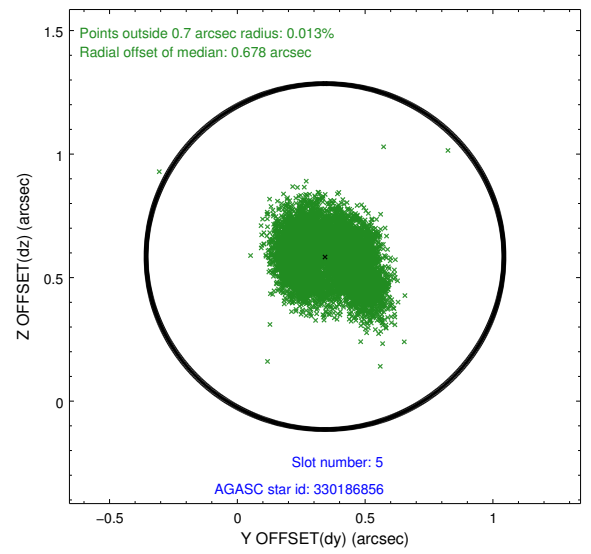
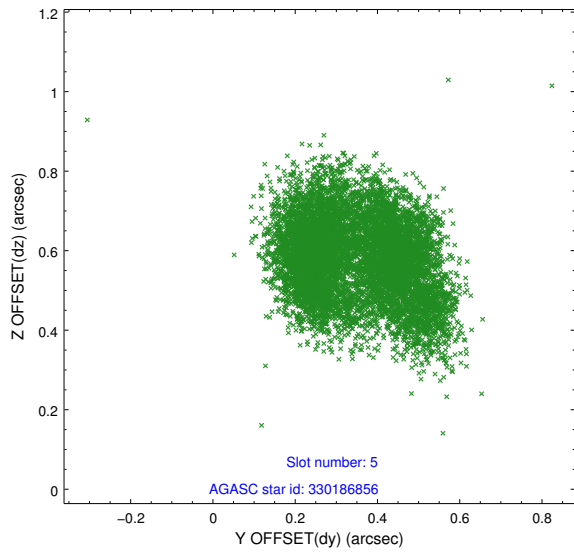
2.4.2 Slot 4



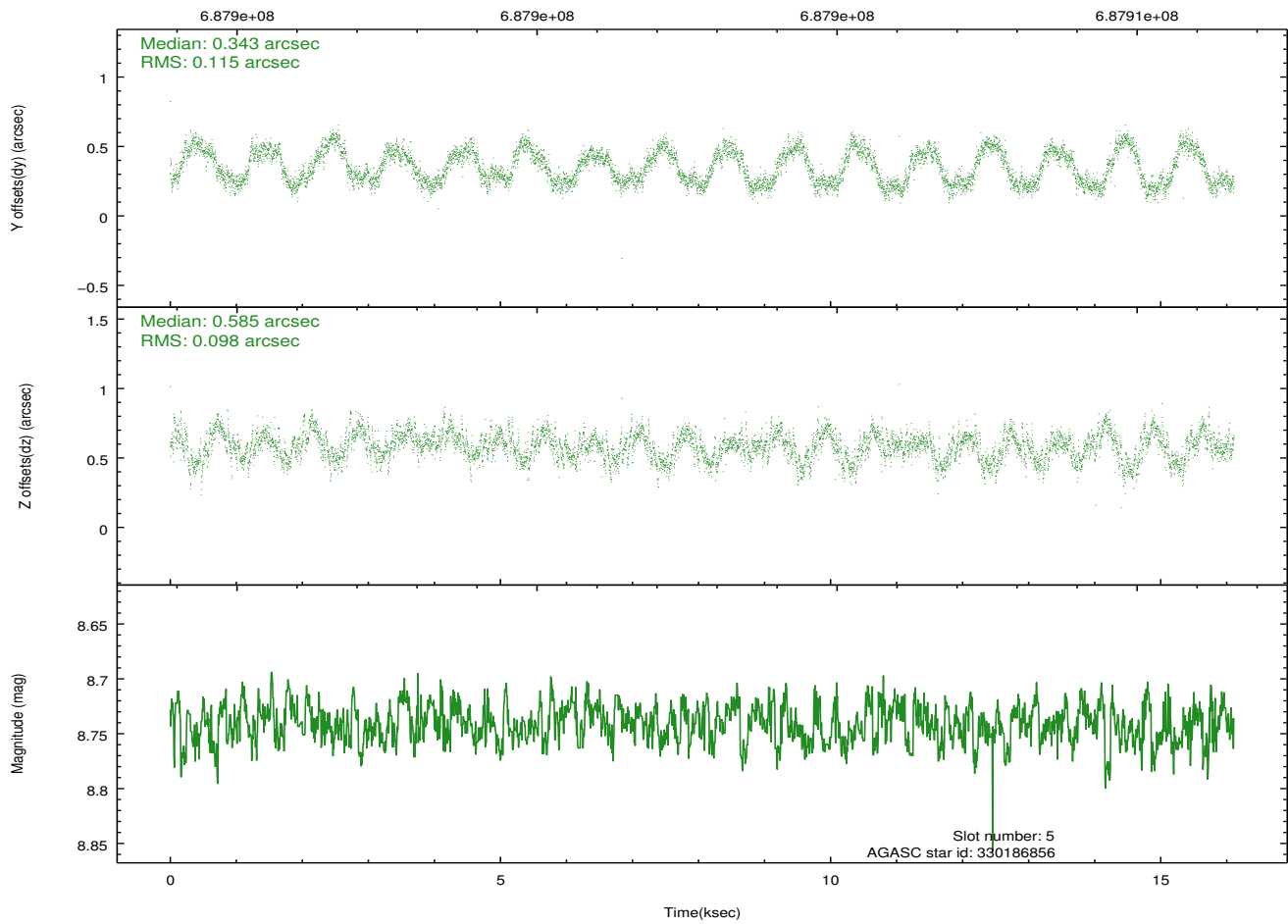
Time (s)



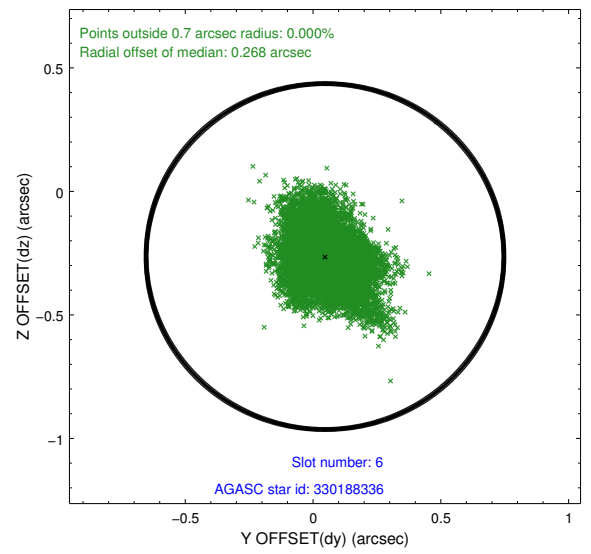
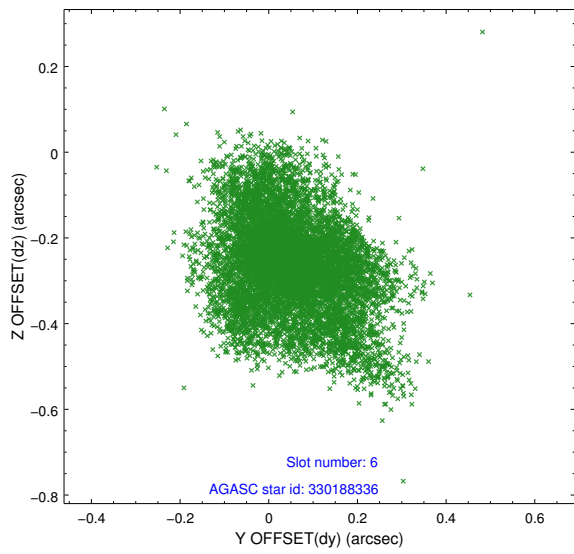
2.4.3 Slot 5



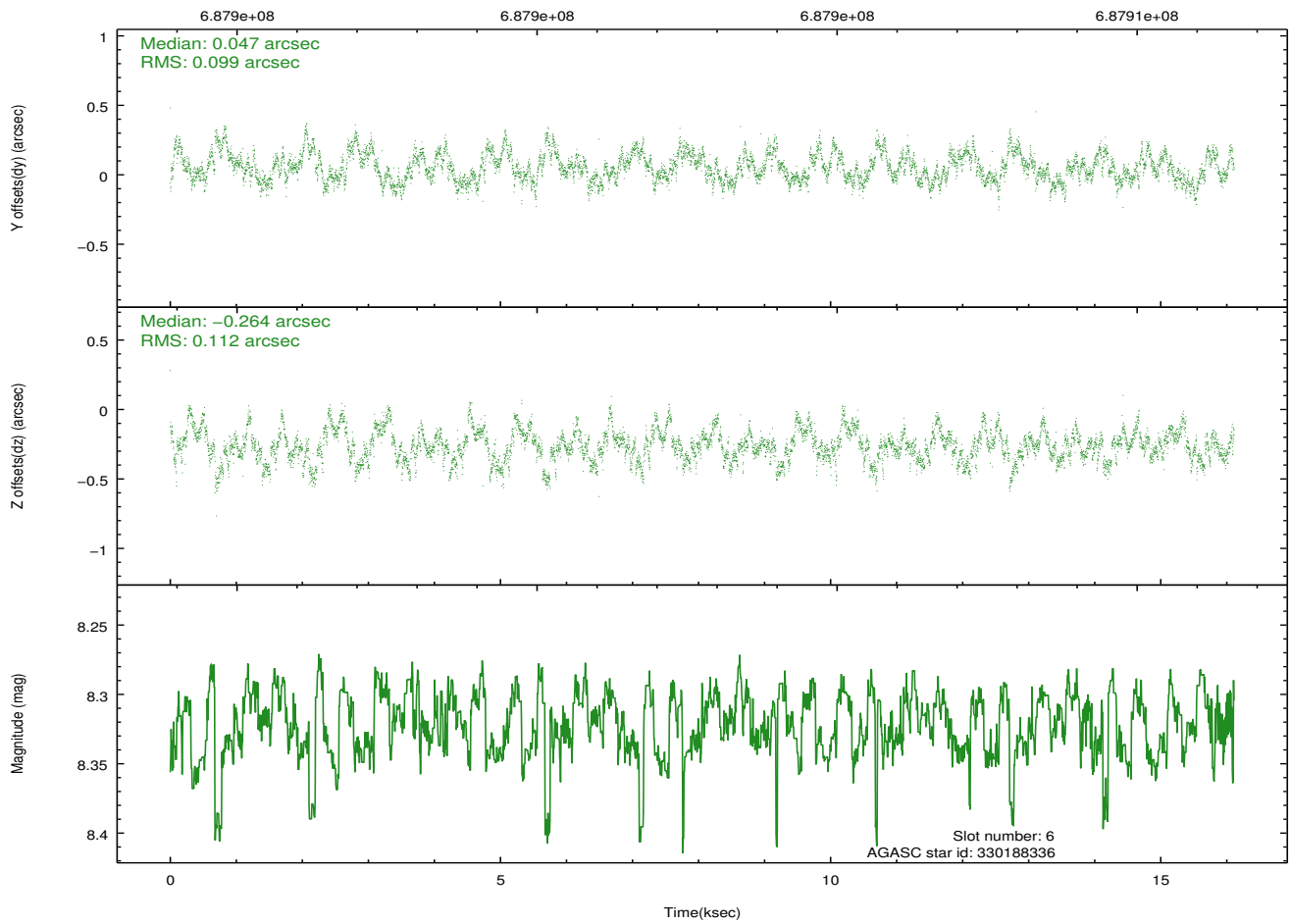
Time (s)



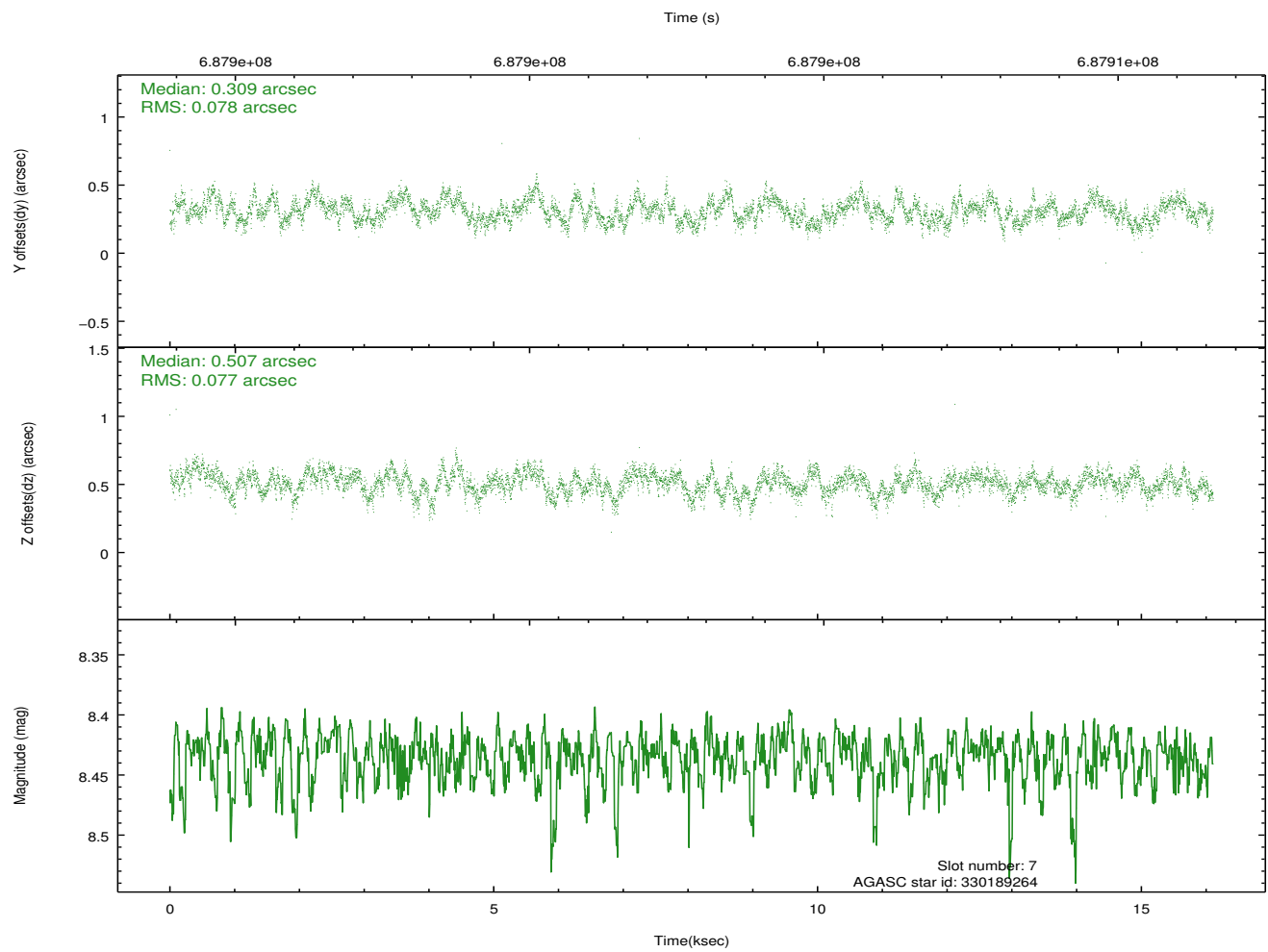
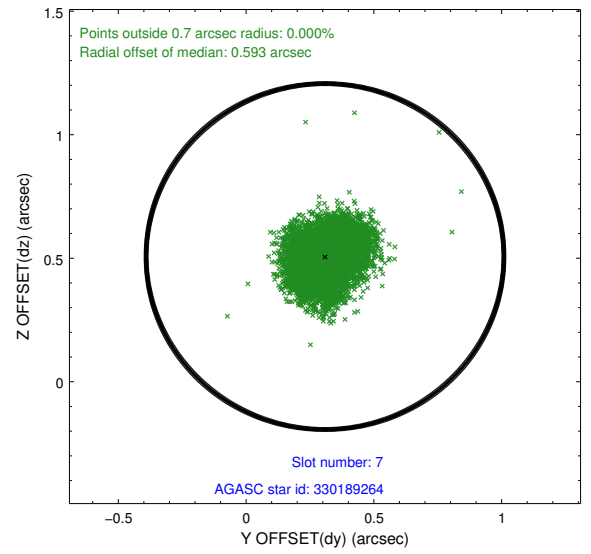
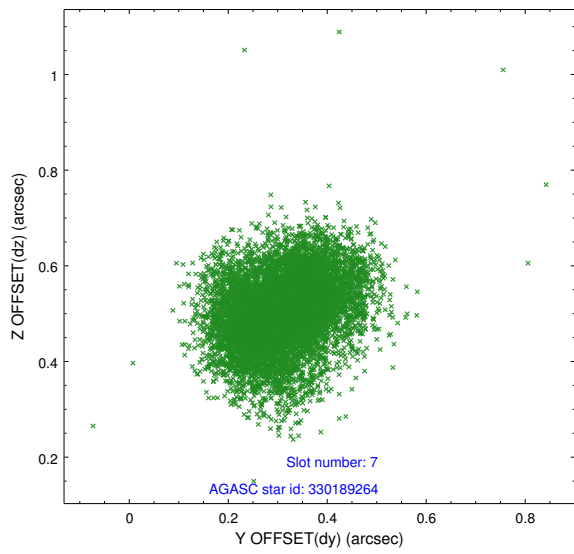
2.4.4 Slot 6



Time (s)

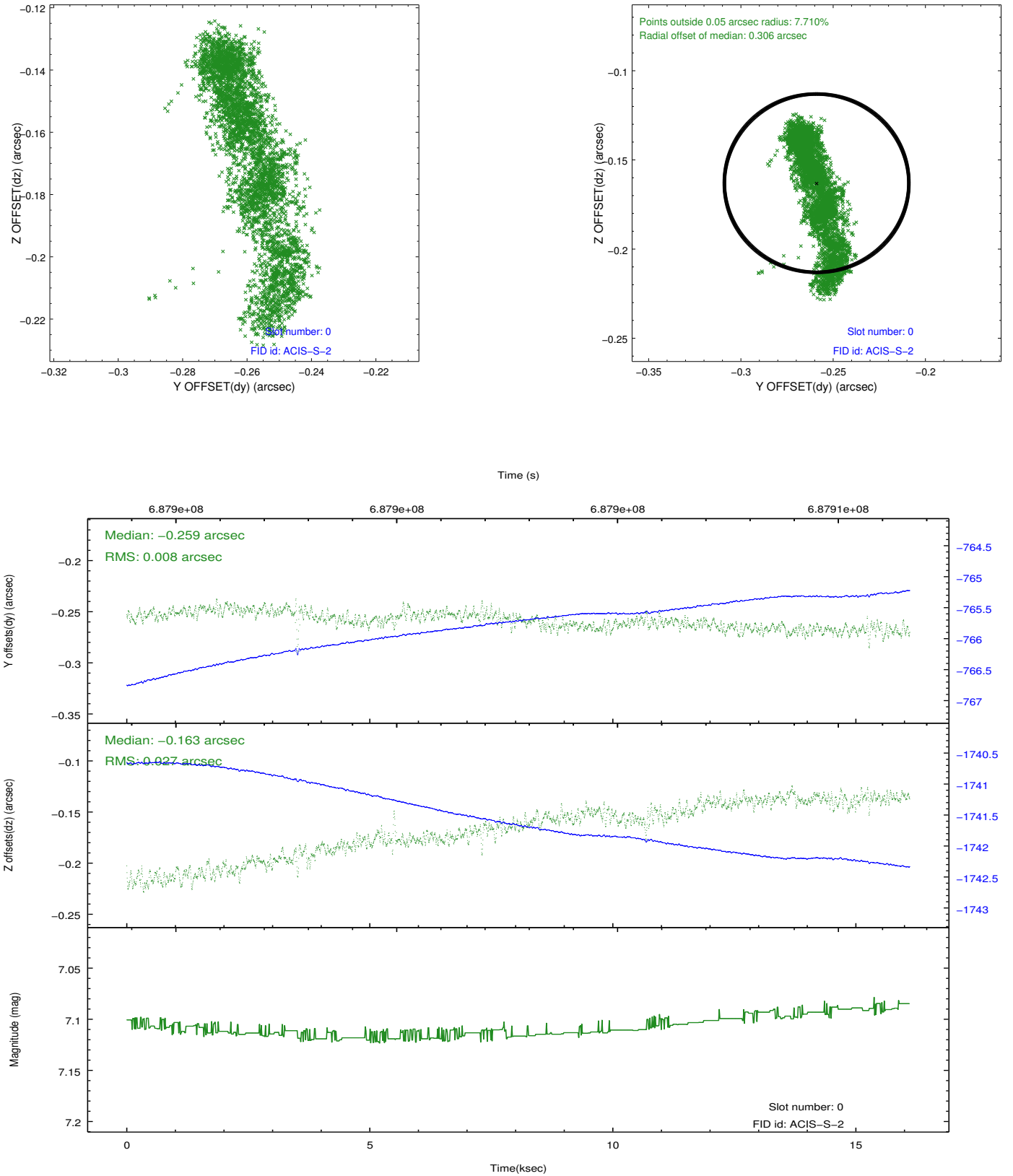


2.4.5 Slot 7

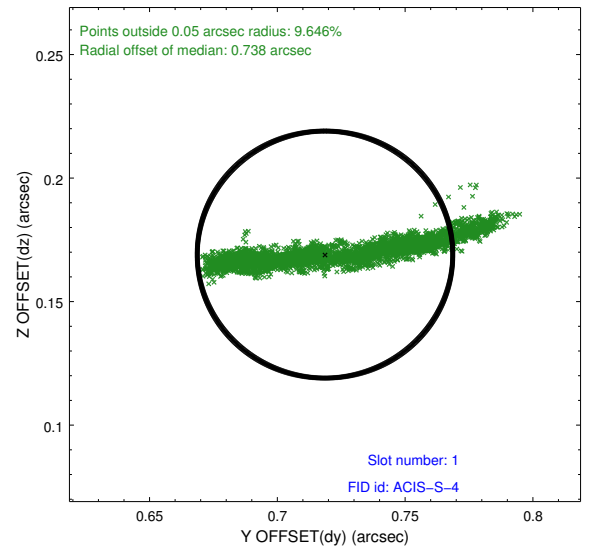
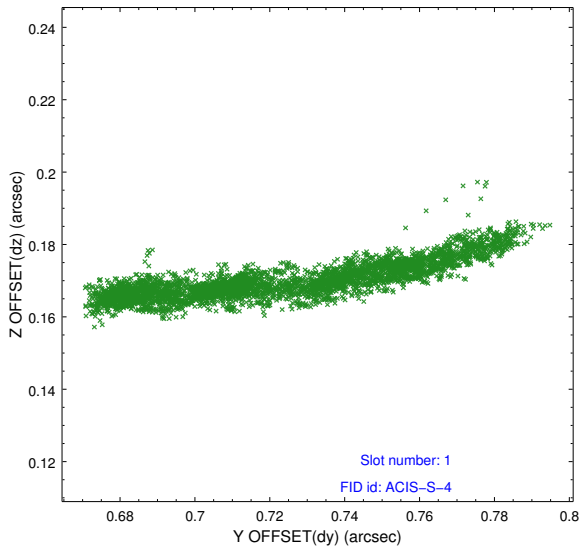


2.5 FID Slots

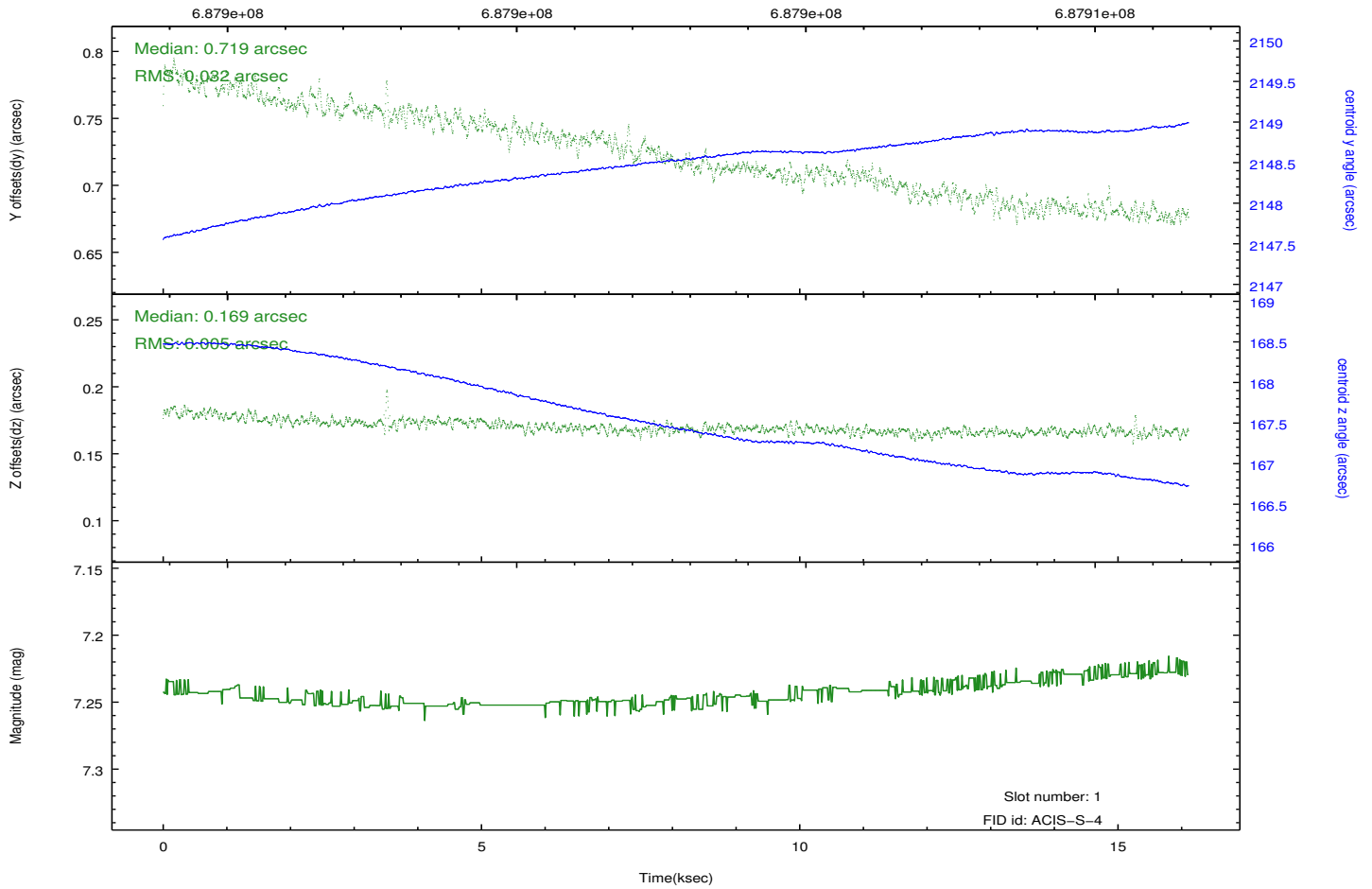
2.5.1 Slot 0



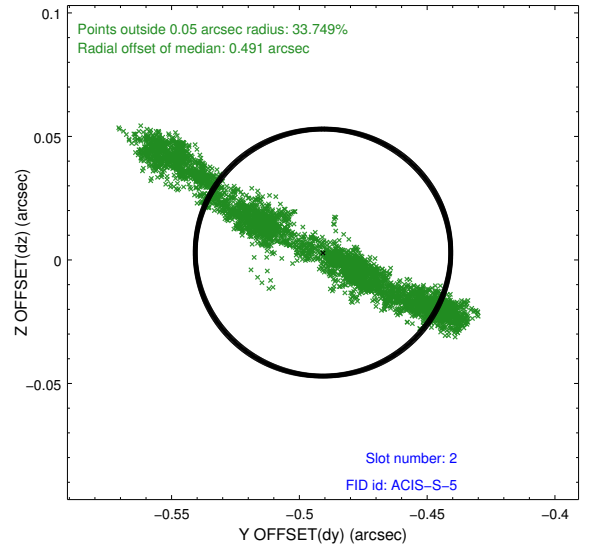
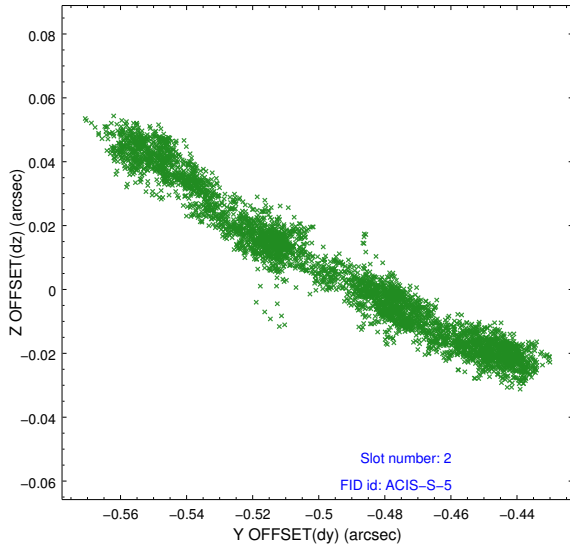
2.5.2 Slot 1



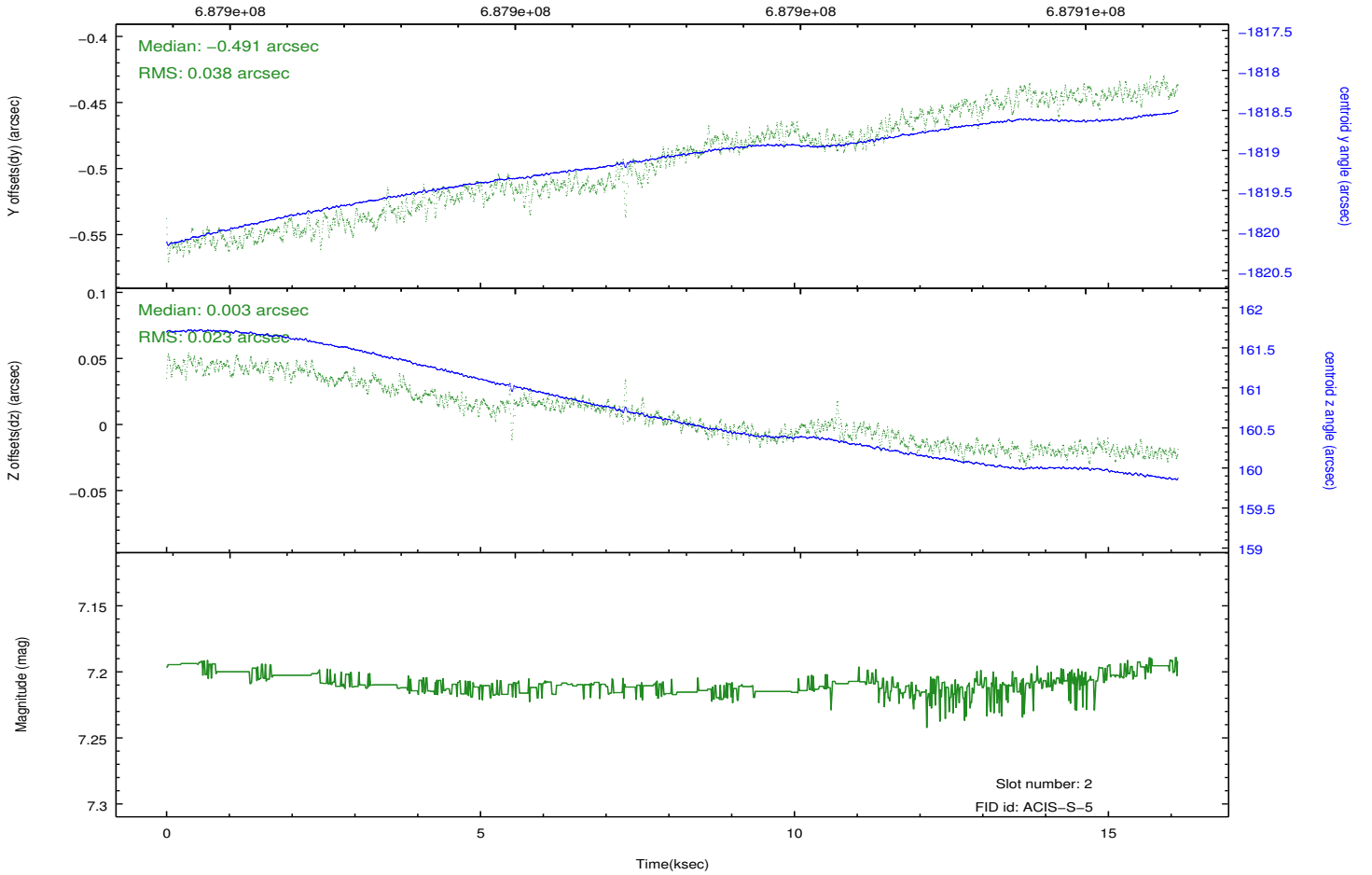
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.10.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.045600123525

A.2 Comments