

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 19738 - L2 Version 1
Chandra X-Ray Center

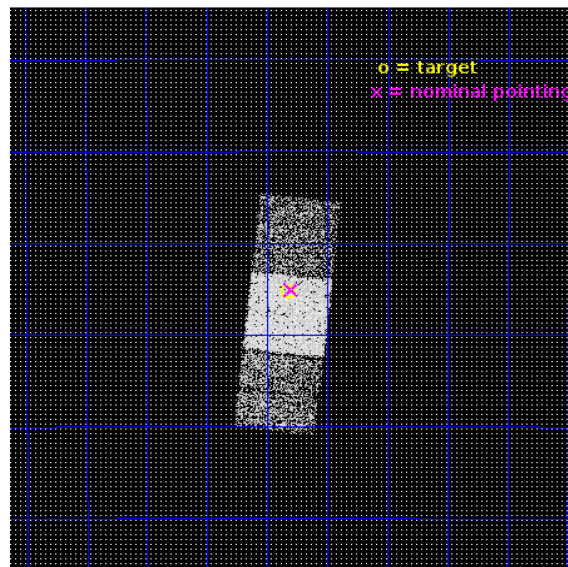
L2 Processing Date : Jun 8 2017

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1 Front

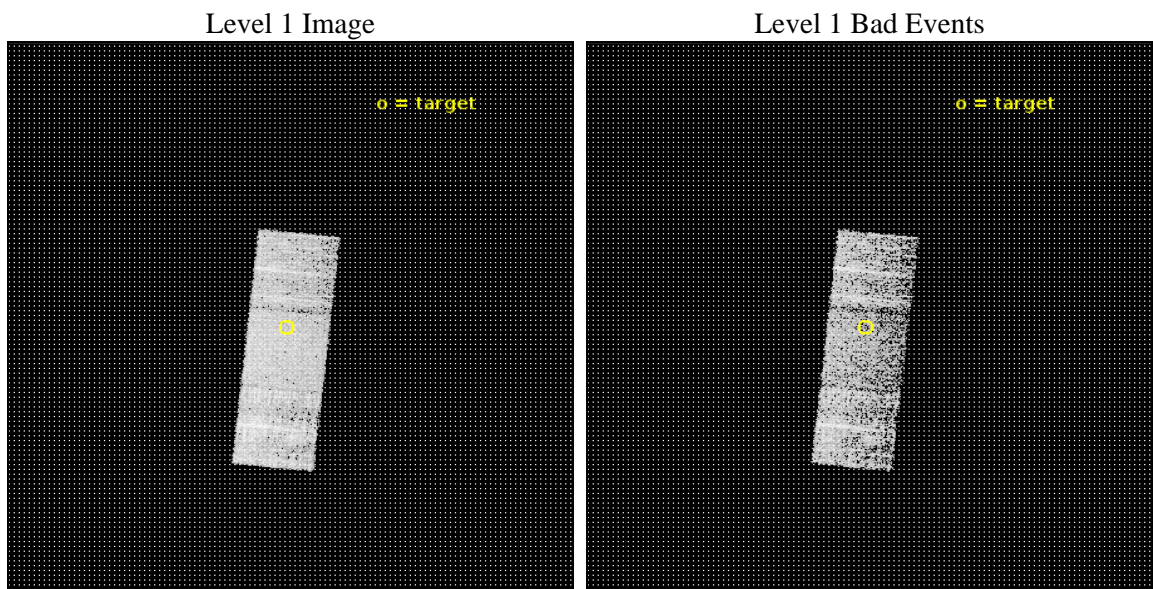
seq_num	703453	Sequence number
obs_id	19738	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W2042-3245	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	310.705417	Observer's specified target RA [deg]
dec_targ	-32.754972	Observer's specified target Dec [deg]
ra_nom	310.69943094552	Nominal RA [deg]
dec_nom	-32.751586252331	Nominal Dec [deg]
roll_nom	96.153474064253	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3115.2581586838	Sum of GTIs [s]
livetime	3074.5550174209	Livetime [s]
ontime6	3115.2171187401	Sum of GTIs [s]
ontime7	3115.2581586838	Sum of GTIs [s]
ontime8	3115.1760786772	Sum of GTIs [s]
l2events	17258	Number of level 2 events



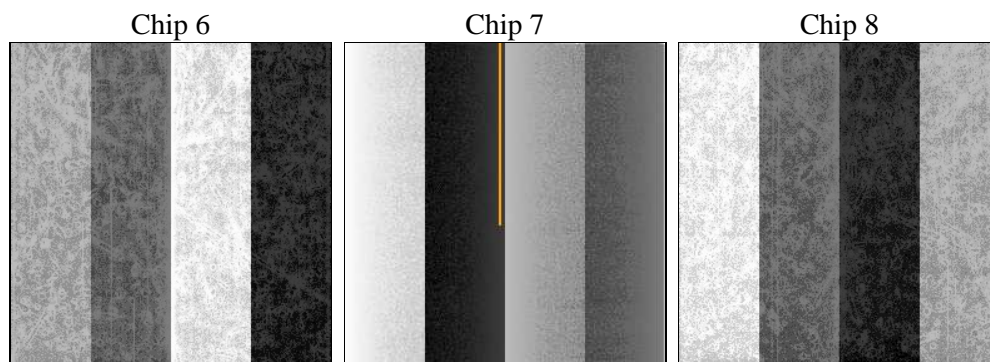
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	3115.2581586838	Sum of GTIs [s]
caldsver	4.7.4	 	ontime6	3115.2171187401	Sum of GTIs [s]
date	2017-06-08T13:41:31	Date and time of file creation	ontime7	3115.2581586838	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3115.1760786772	Sum of GTIs [s]
			l1events	80554	Number of level 1 events

2.1.4 Events

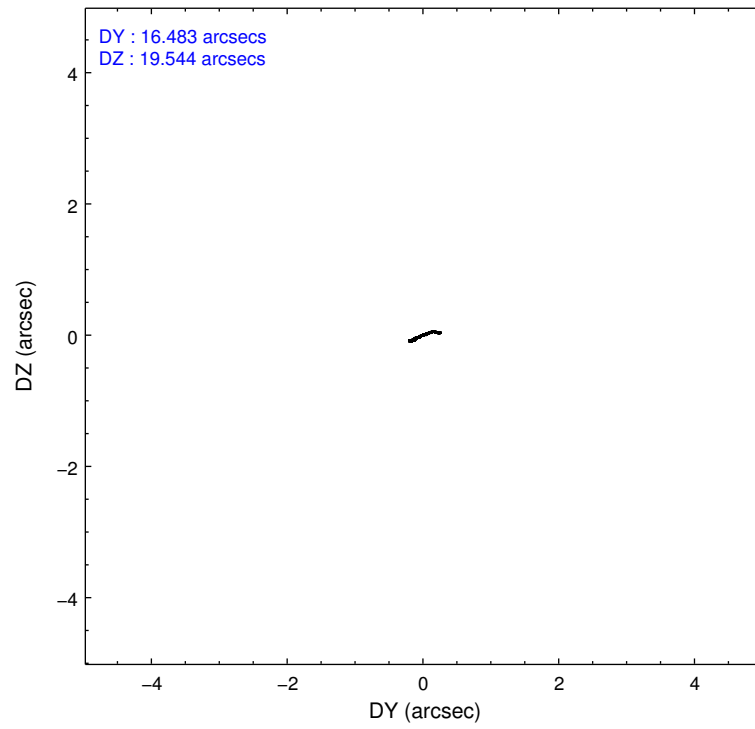
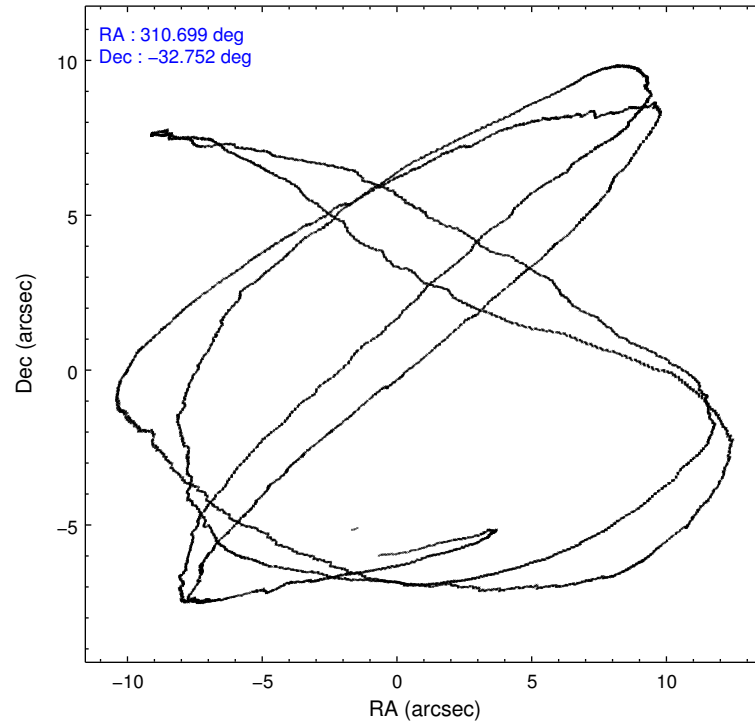
	ccd 6	ccd 7	ccd 8
level 1 events	22065	28069	30420
rejected events	19487	15499	22004
rejected %	88%	55%	72%

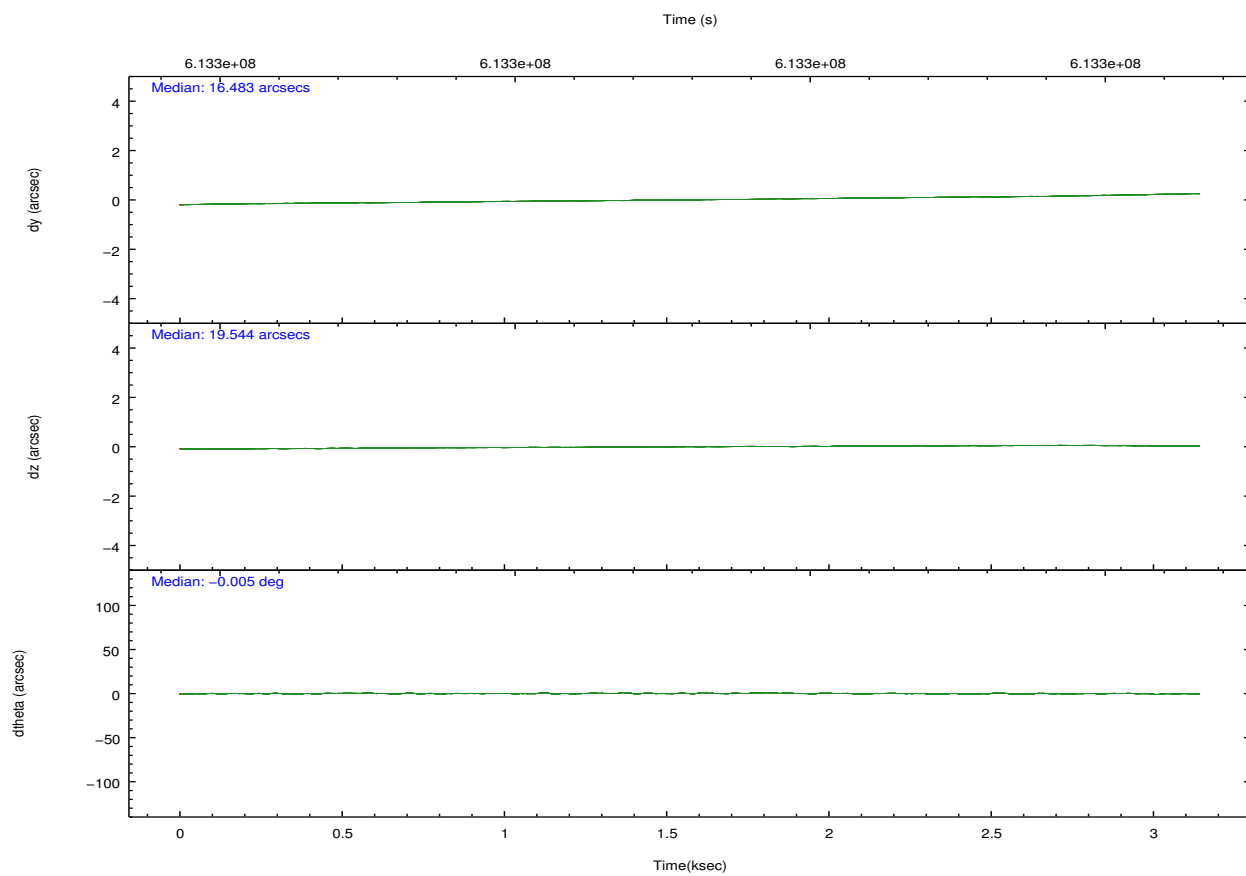
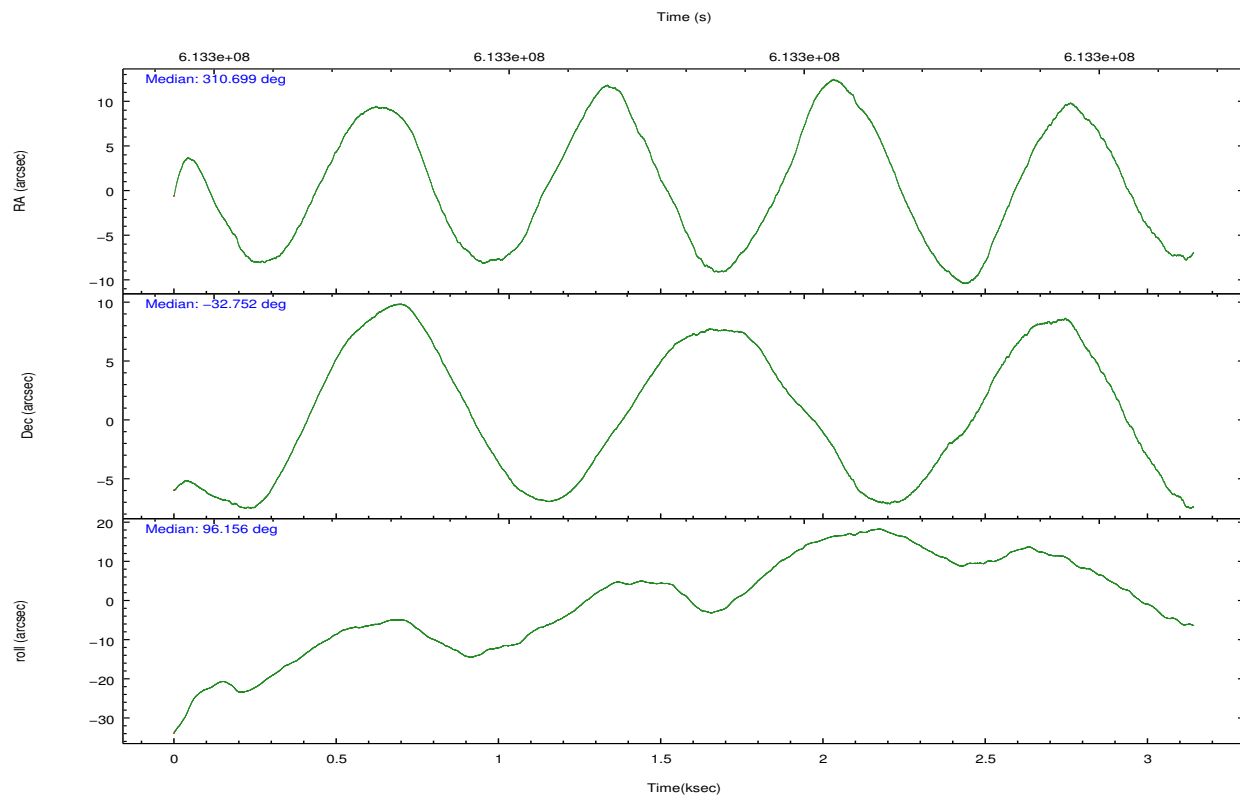
	ccd 6	ccd 7	ccd 8
grade 0 events	886	1144	2395
	4%	4%	7%
grade 1 events	6	44	23
	0%	0%	0%
grade 2 events	617	2754	2074
	2%	9%	6%
grade 3 events	273	1037	828
	1%	3%	2%
grade 4 events	251	1014	823
	1%	3%	2%
grade 5 events	1069	2868	1516
	4%	10%	4%
grade 6 events	552	6630	2297
	2%	23%	7%
grade 7 events	18411	12578	20464
	83%	44%	67%

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	310.719290	310.6994309455177	Subarray requested	NONE	NONE
[deg] Pointing Dec	-32.773360	-32.75158625233063	Alternating exposures requested	N	N
[deg] Pointing Roll	96.007508	96.15347406425298	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	613301169.184000	613299824.90742			
Observation start date	2017-06-08T09:25:00	2017-06-08T09:03:44			
[s] Observation end time (MET)	613304169.184000	613305073.93273			
Observation end date	2017-06-08T10:15:00	2017-06-08T10:31:13			
Read mode	TIMED	TIMED			

2.3 Aspect



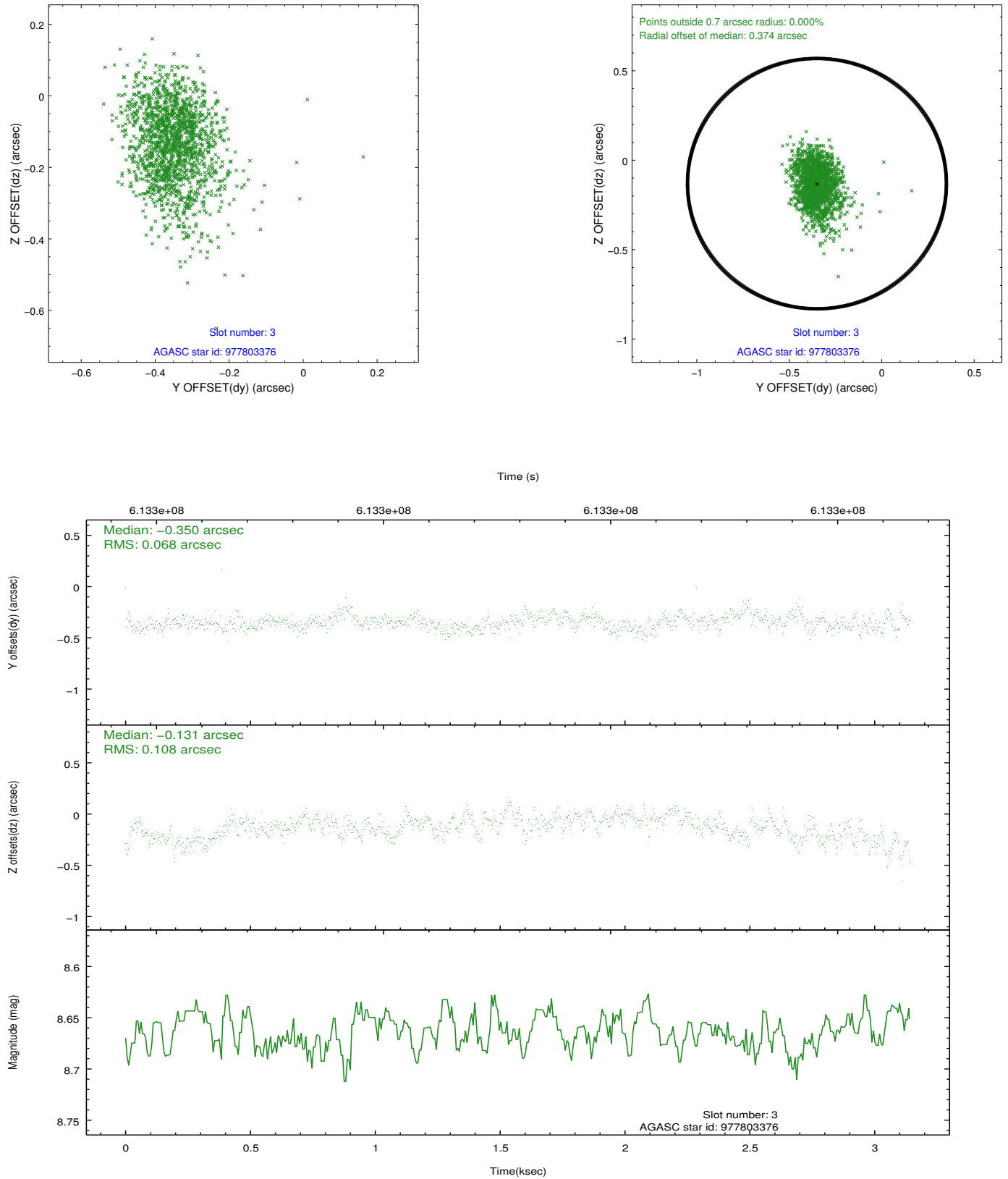


Slot Statistics

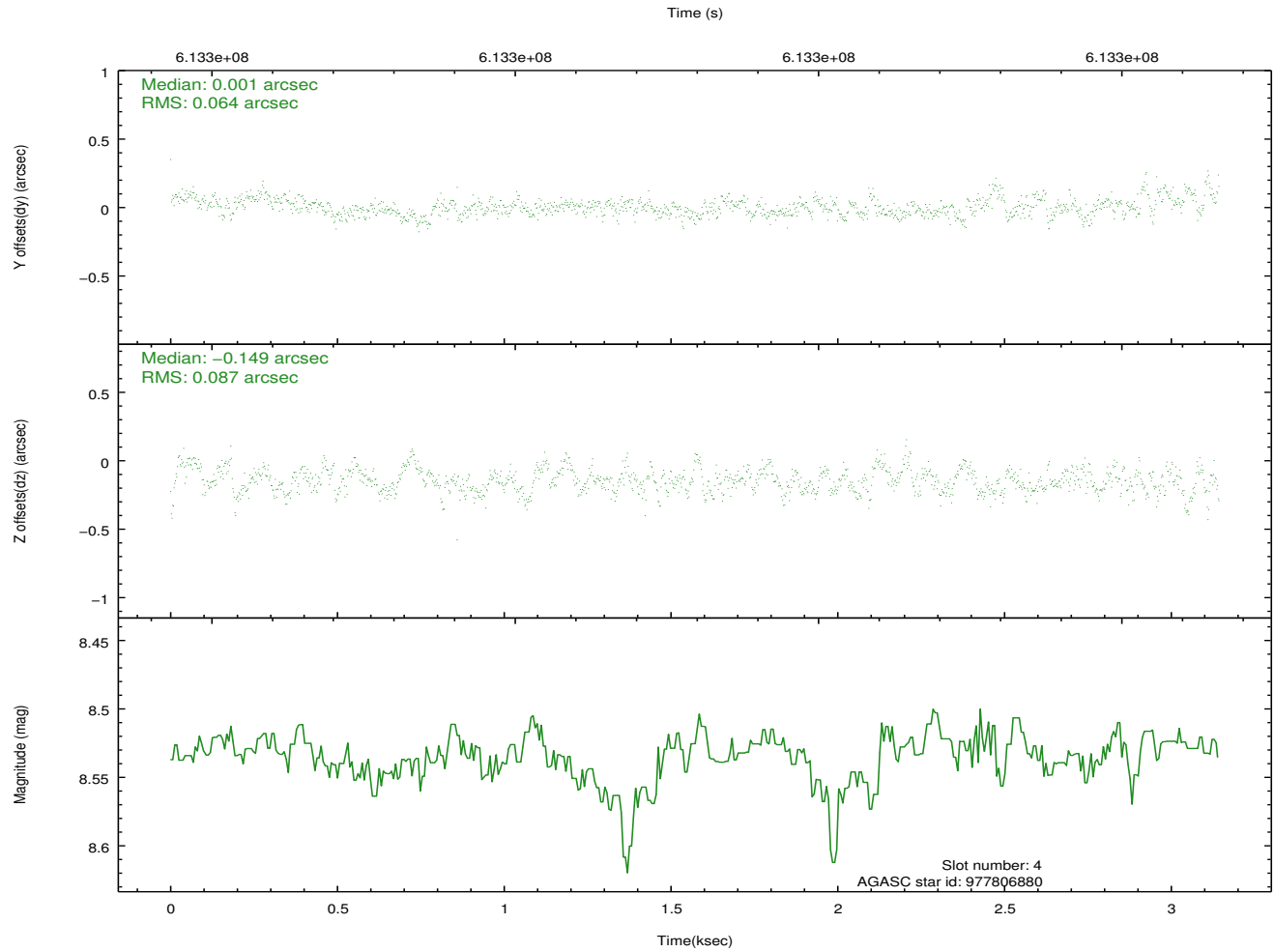
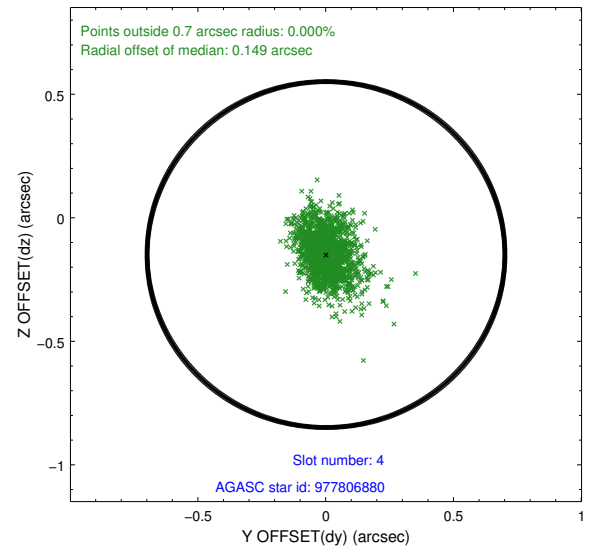
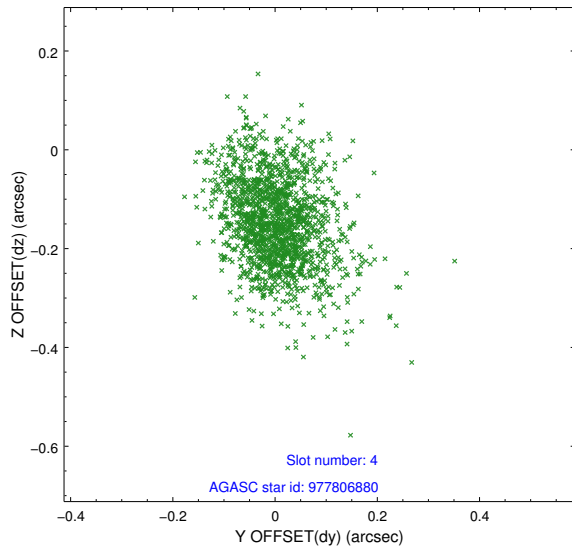
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.96	767	-0.221	-0.101	0.007	0.010	0.000000	0.000000	-769.69	-1741.16
1	FID		ACIS-S-4	7.08	767	0.506	0.134	0.006	0.009	0.000000	0.000000	2143.34	165.51
2	FID		ACIS-S-5	7.06	767	-0.316	-0.024	0.007	0.012	0.000000	0.000000	-1820.07	161.25
3	GUIDE	used	977803376	8.66	1531	-0.350	-0.131	0.132	0.226	310.378918	-32.196983	2170.05	813.09
4	GUIDE	used	977806880	8.53	1532	0.001	-0.149	0.110	0.192	310.107286	-32.851690	-89.41	1870.76
5	GUIDE	used	977934312	9.30	1533	-0.238	0.364	0.170	0.304	310.766203	-32.372514	1420.35	-292.08
6	GUIDE	used	977937984	9.19	1533	0.452	0.216	0.140	0.238	310.614475	-33.328646	-1953.68	522.99
7	GUIDE	used	977806840	9.24	1527	0.131	-0.302	0.159	0.273	310.013686	-33.322403	-1751.26	2317.95

2.4 Star Slots

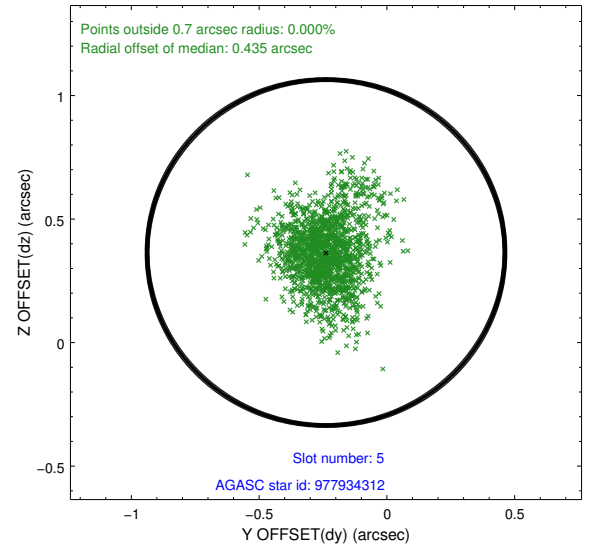
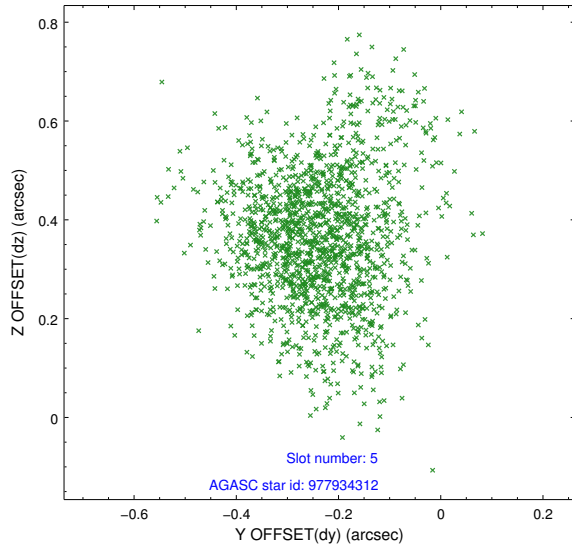
2.4.1 Slot 3



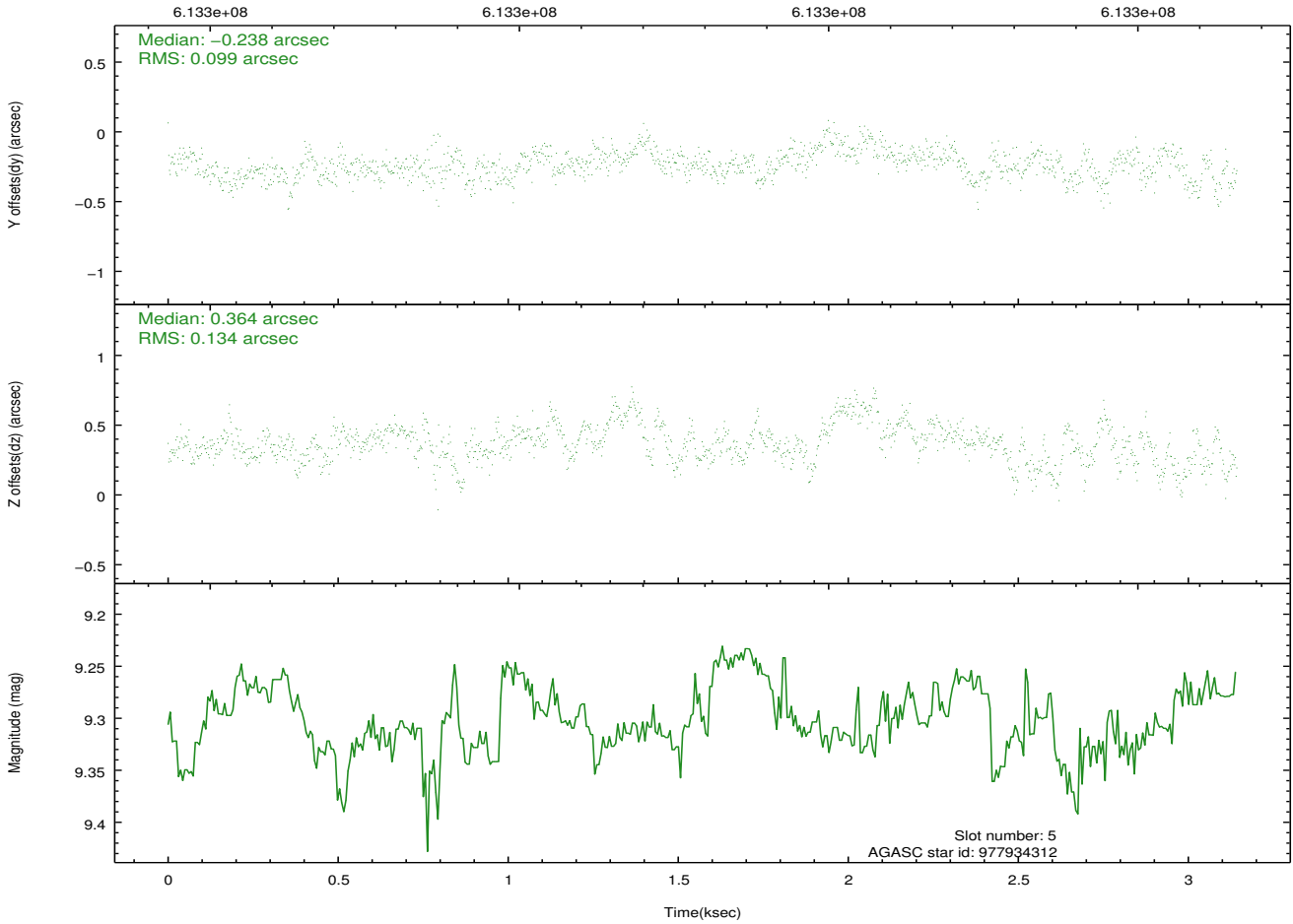
2.4.2 Slot 4



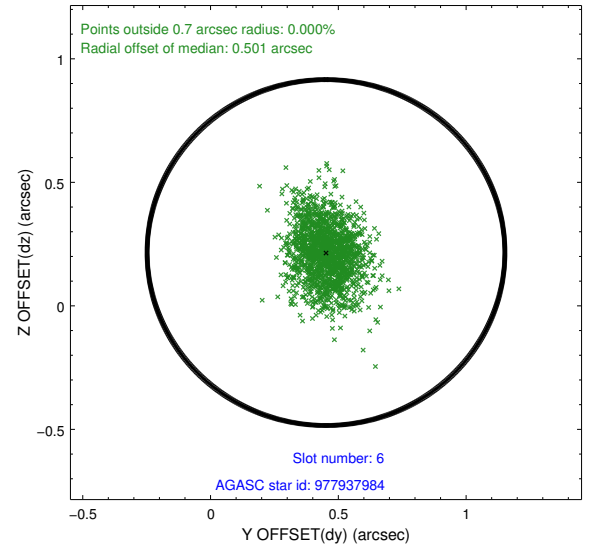
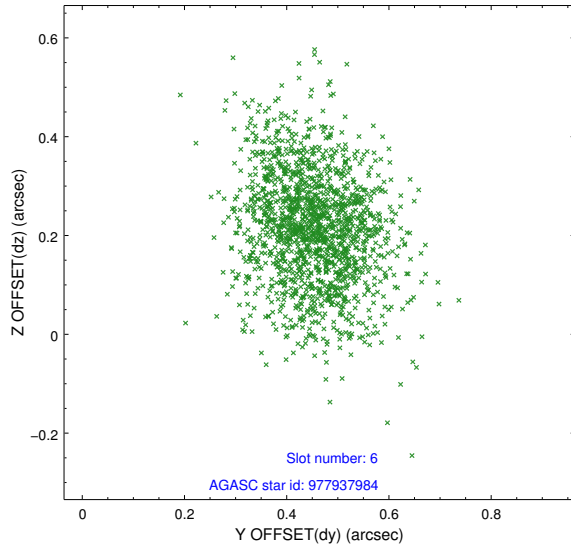
2.4.3 Slot 5



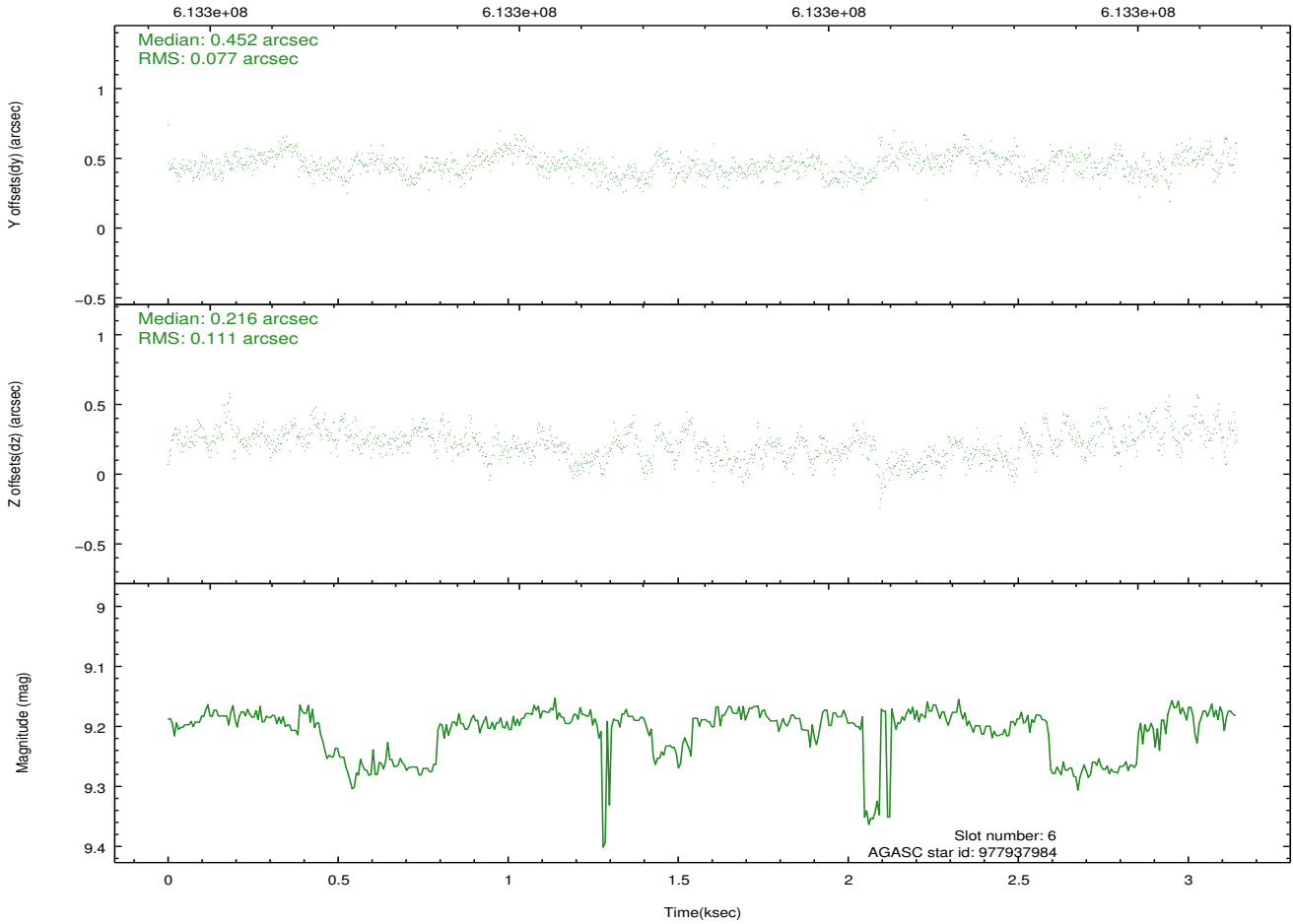
Time (s)



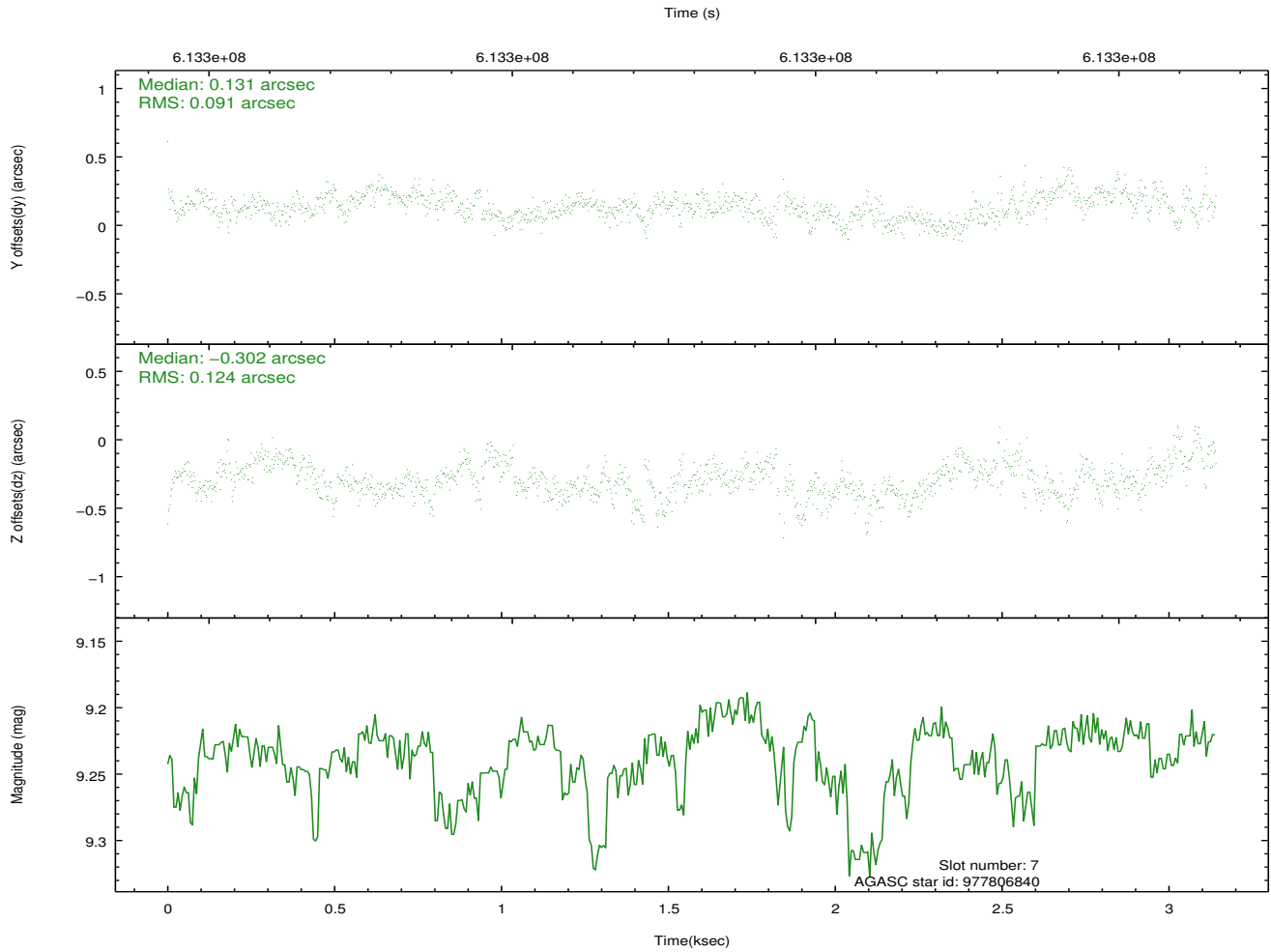
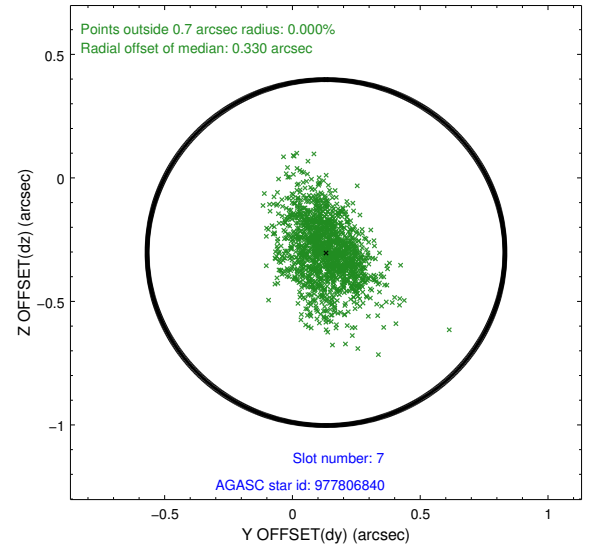
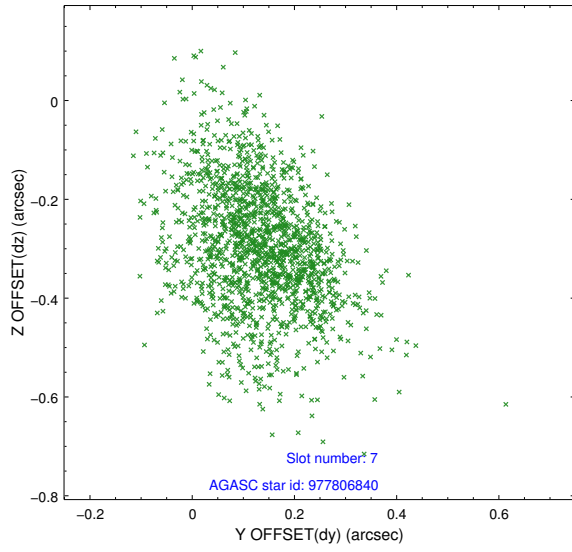
2.4.4 Slot 6



Time (s)

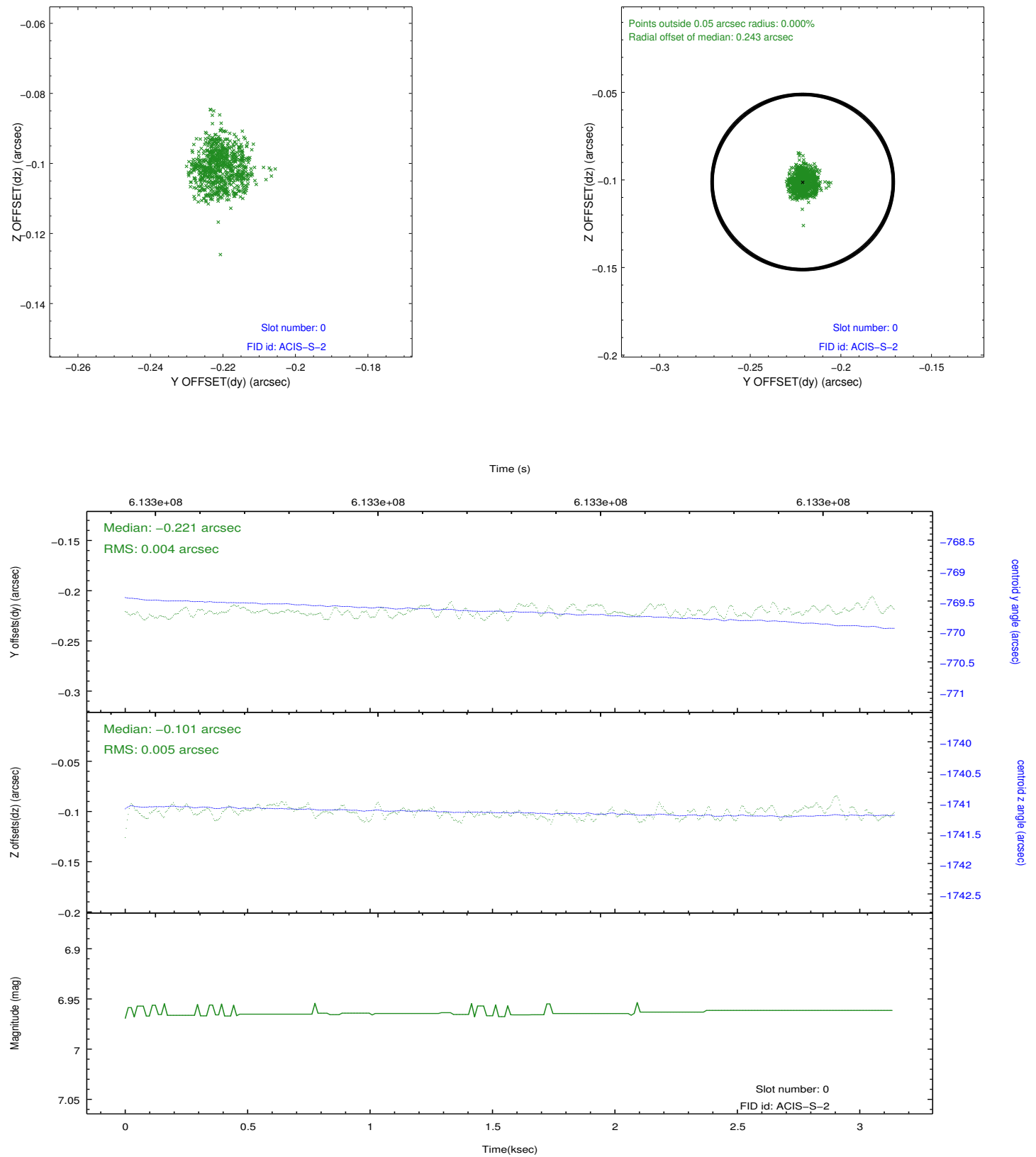


2.4.5 Slot 7

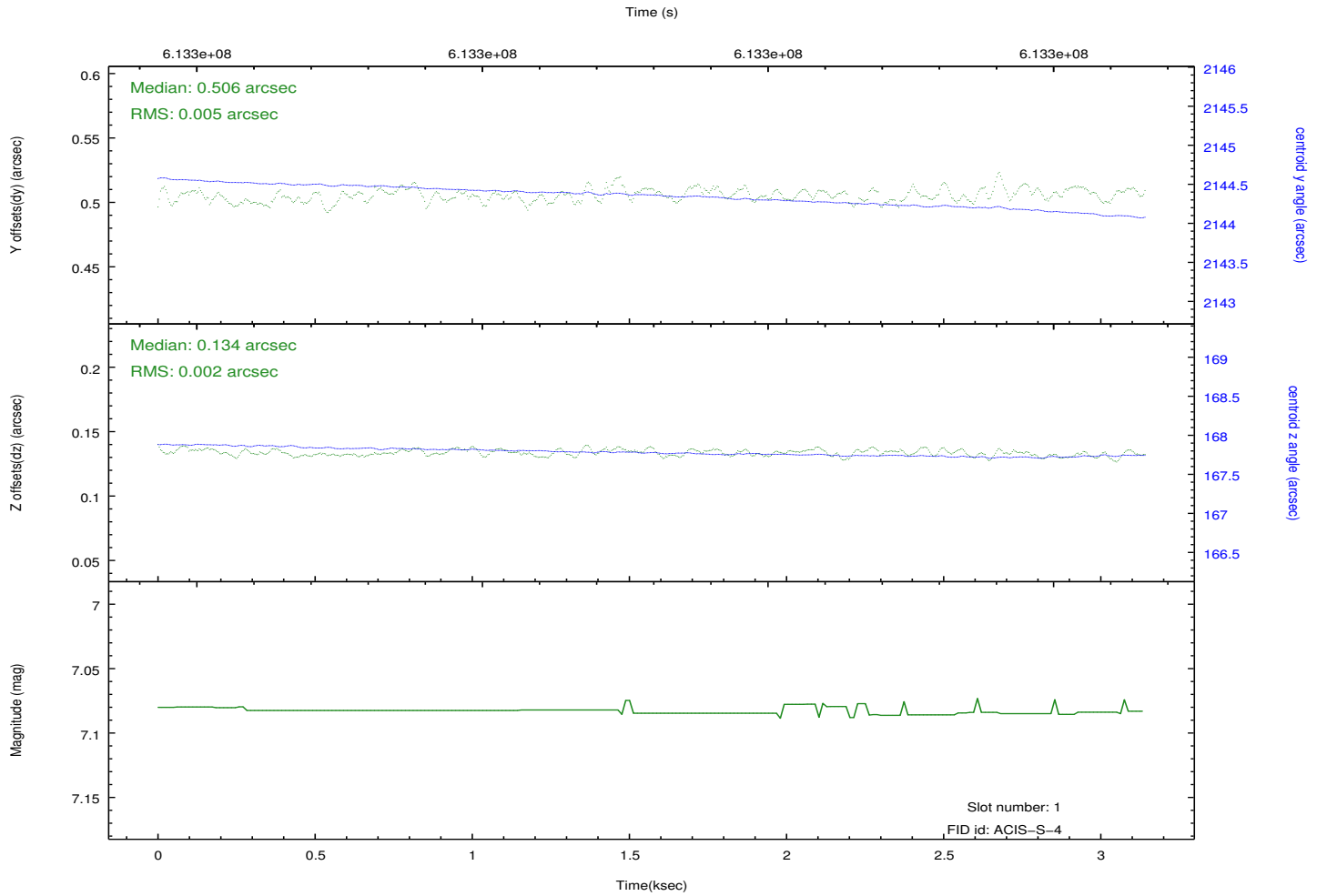
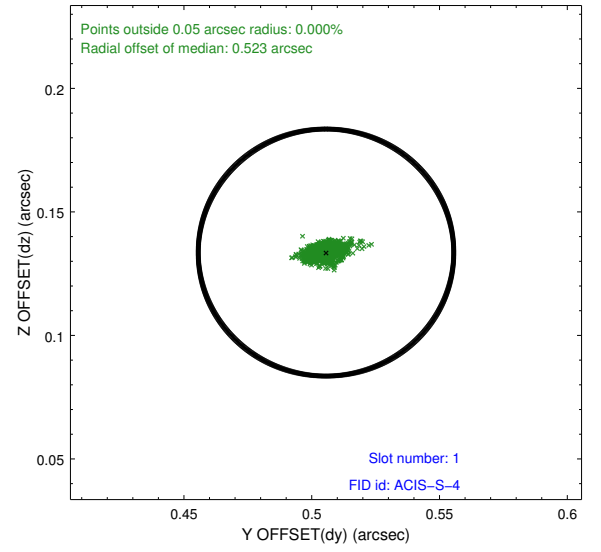
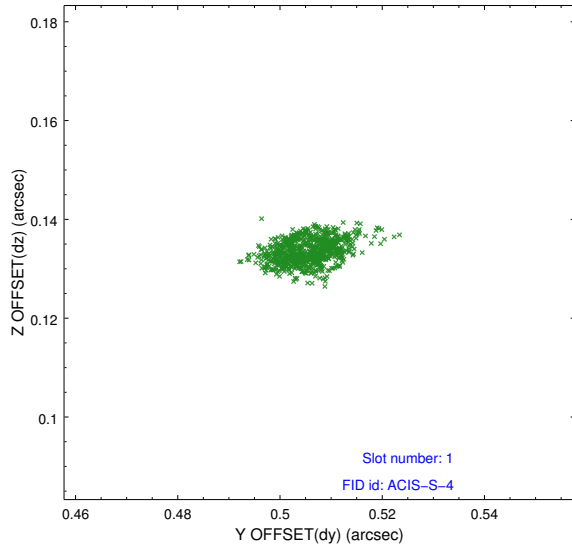


2.5 FID Slots

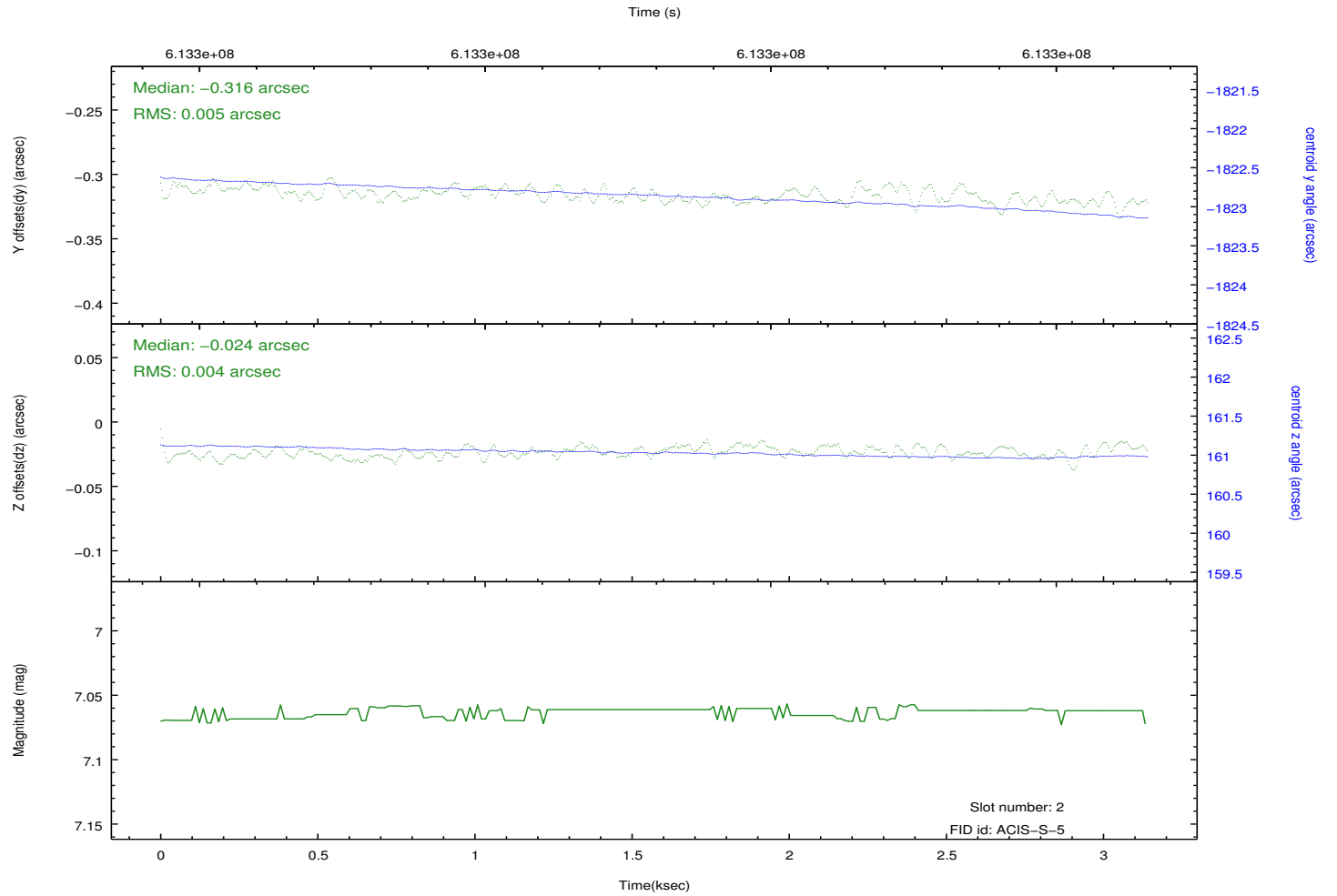
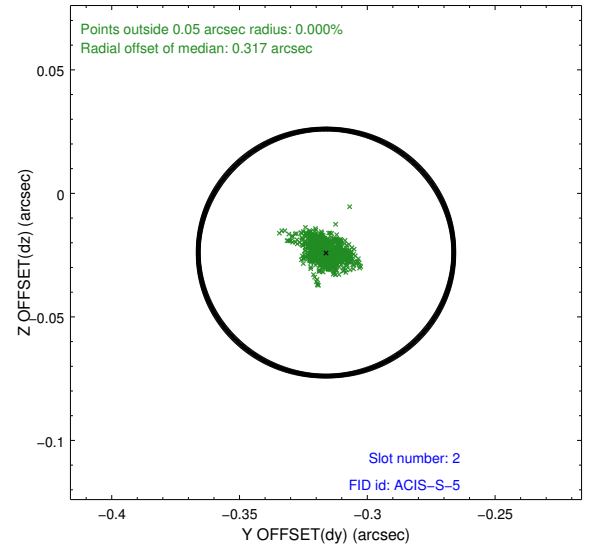
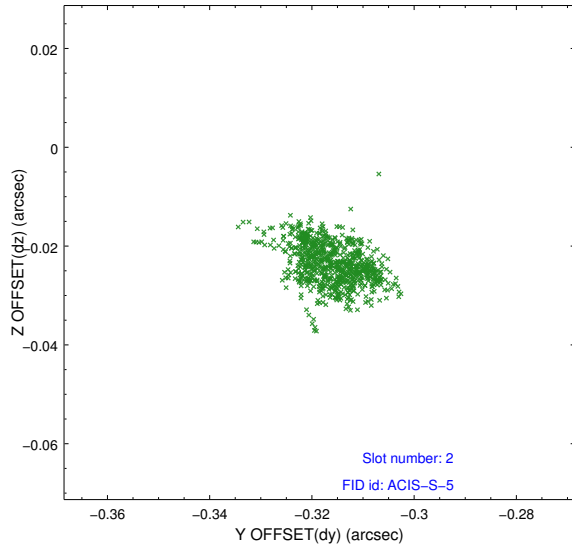
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2017.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1152581586838

A.2 Comments