

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 4129 - L2 Version 4
Chandra X-Ray Center

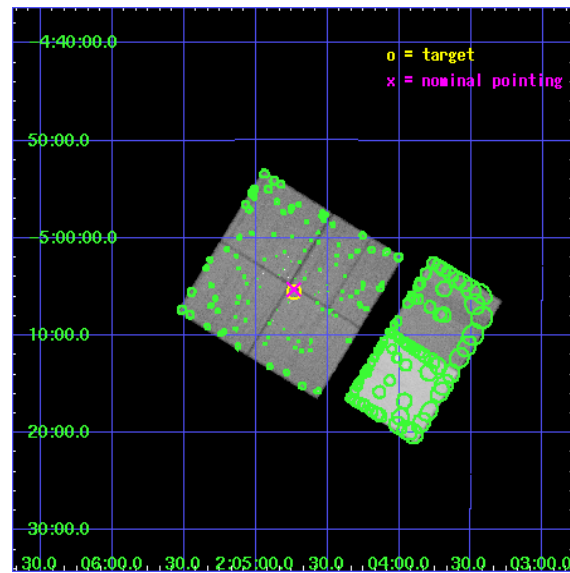
L2 Processing Date : Feb 5 2009

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1 Front

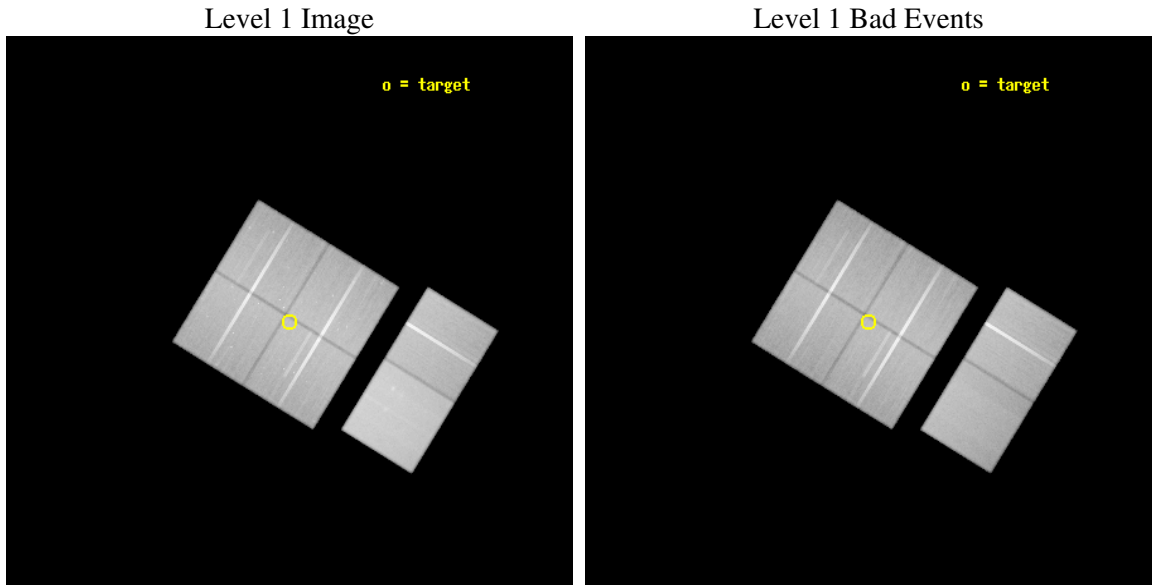
seq_num	700808
obs_id	4129
title	TYPE II QUASARS AMONG Z>4 STRONG LYMAN ALPHA SOURCES
observer	DR. SANGEETA MALHOTRA
object	LALA CETUS FIELD/LALA BOOMER
dtcycle	0
cycle	P
ra_targ	31.184362
dec_targ	-5.092728
ra_nom	31.183670715722
dec_nom	-5.088154345894
roll_nom	121.57862672558
revision	4
ontime	162170.58481237
livetime	160117.08322008
ontime0	162190.19648534
ontime1	162196.43084294
ontime2	162183.50818148
ontime3	162170.58481237
ontime6	162199.8359932
ontime7	162329.55840507
l2events	1168901



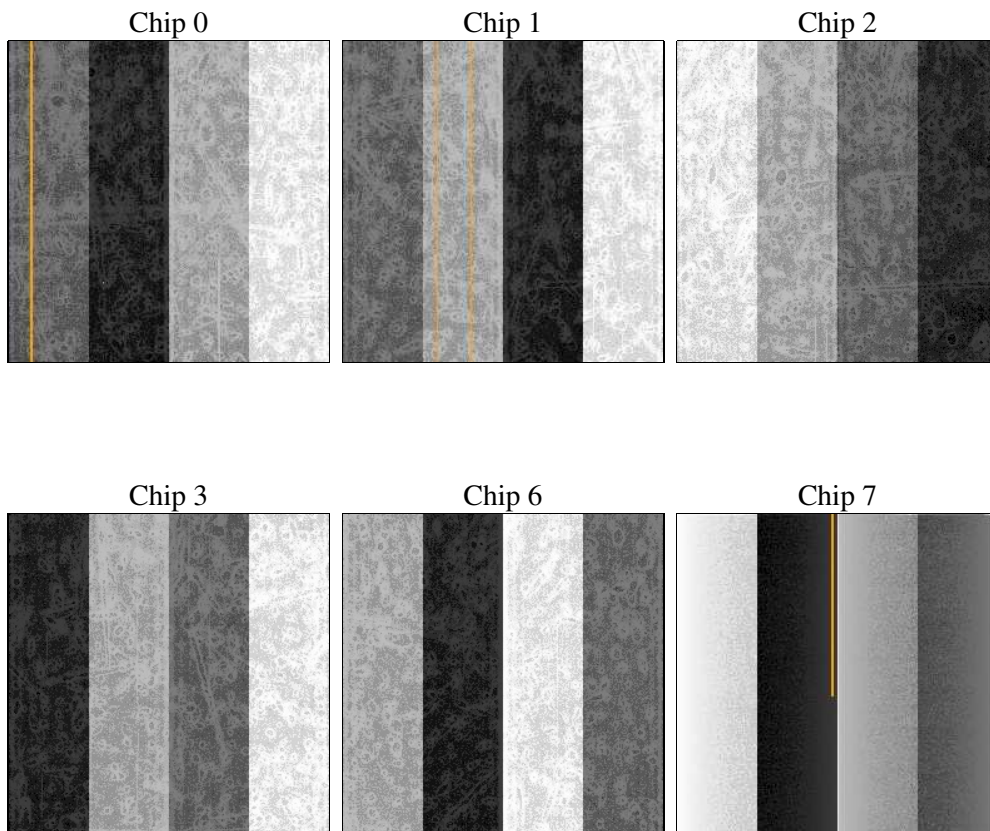
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.10
caldsver	3.5.1
date	2009-02-05T05:08:36
revision	4

sched_exp_time	162230.281000
ontime	162170.58481237
ontime0	162190.19648534
ontime1	162196.43084294
ontime2	162183.50818148
ontime3	162170.58481237
ontime6	162199.8359932
ontime7	162329.55840507
l1events	6323501

2.1.4 Events

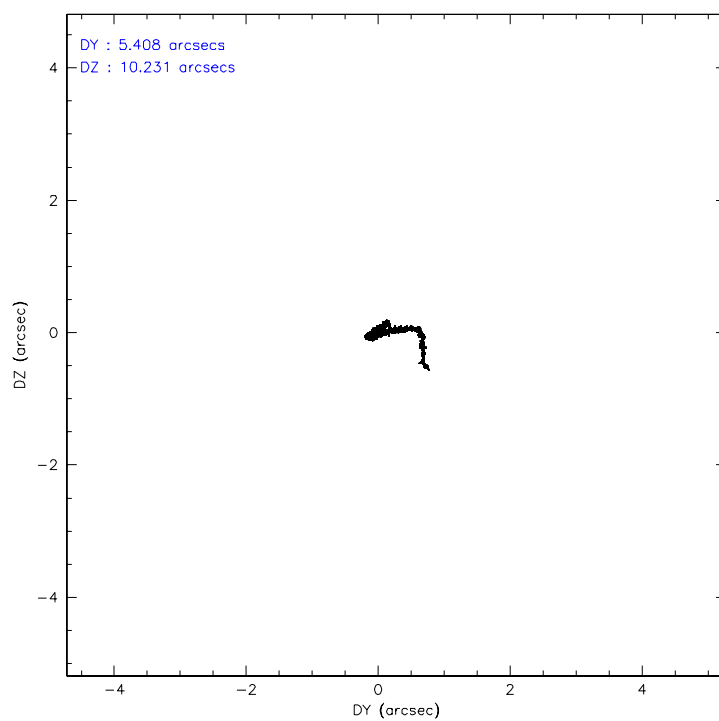
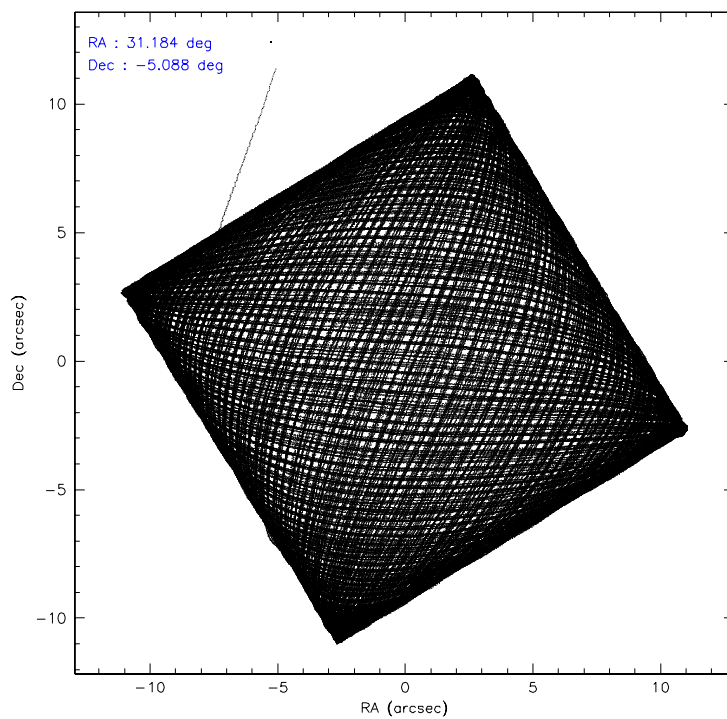
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	925931	938126	1007709	1002820	1040848	1408067
rejected events	793966	801925	877438	875777	908393	799770
rejected %	85%	85%	87%	87%	87%	56%

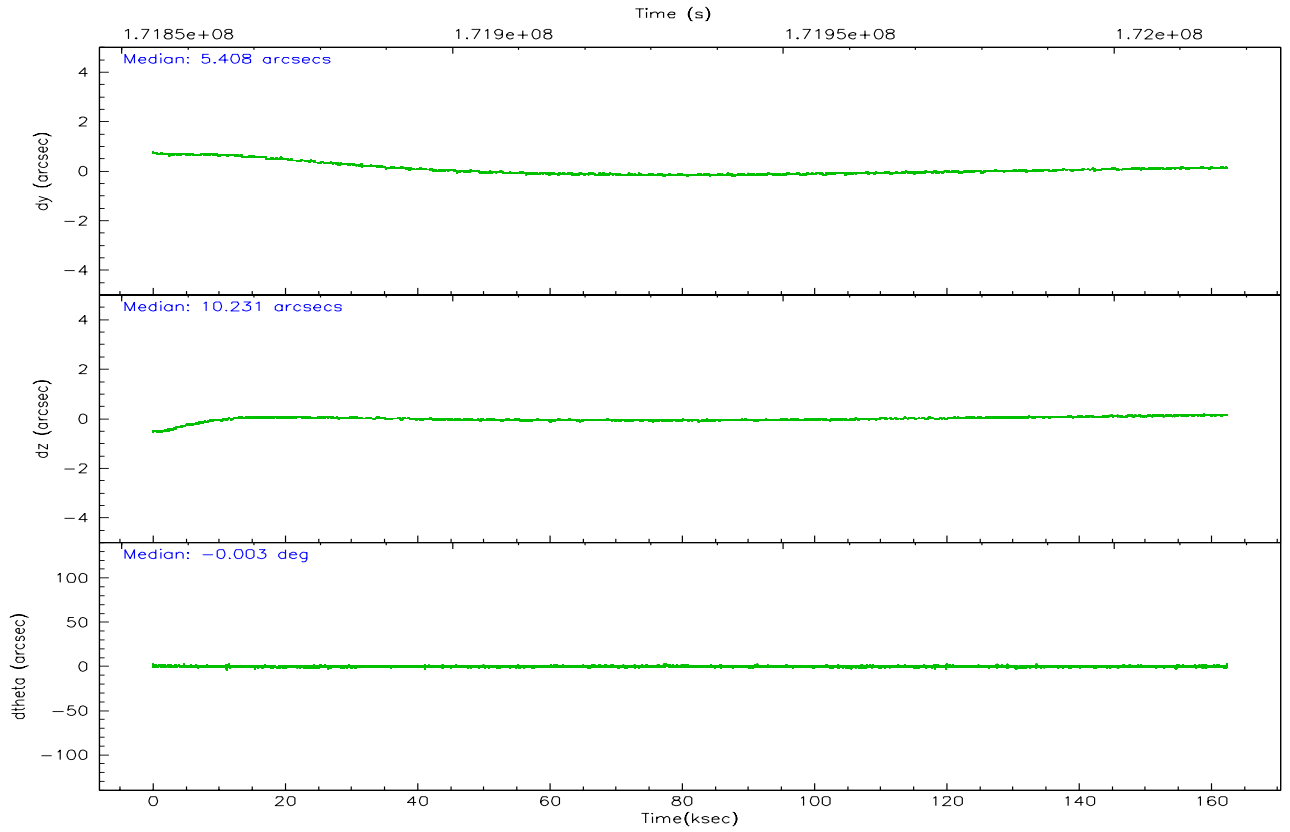
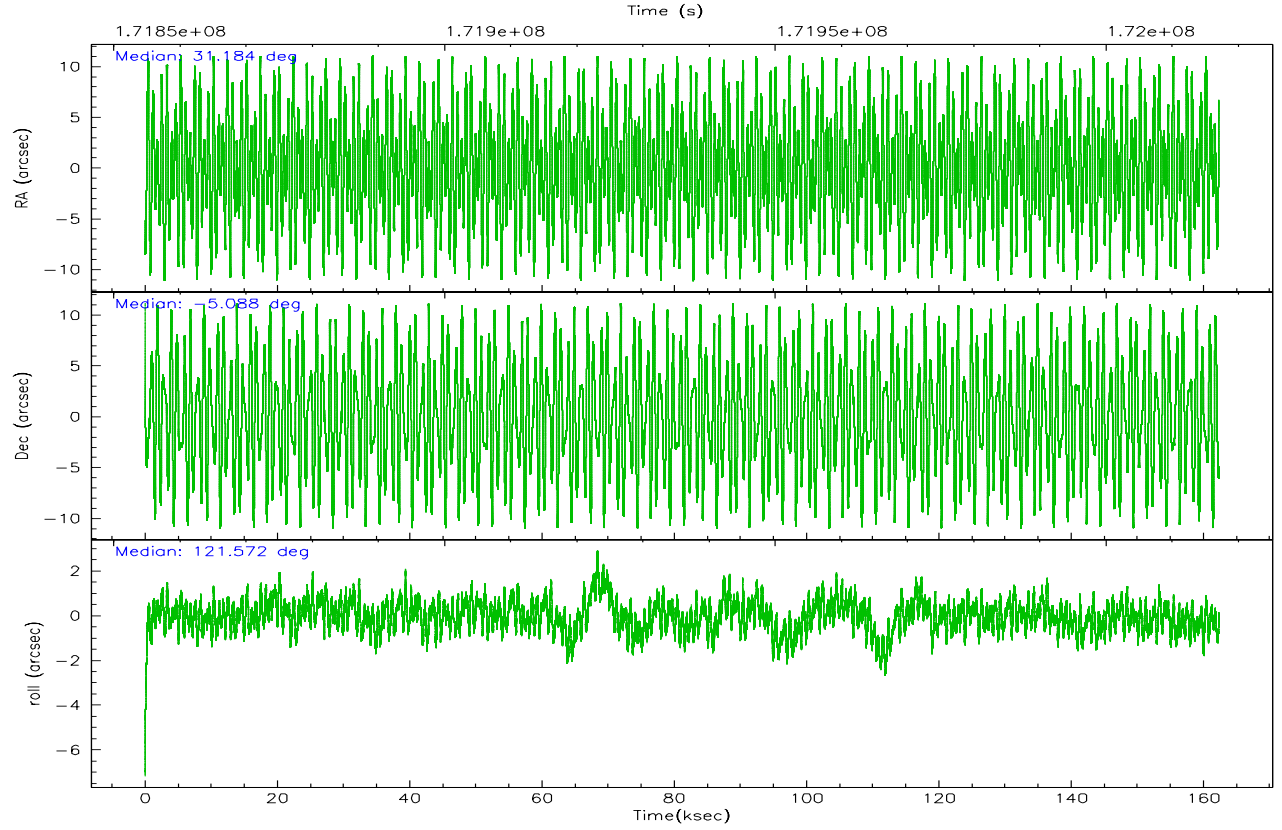
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	65047	62212	67177	63396	62154	63226
	7%	6%	6%	6%	5%	4%
grade 1 events	549	474	658	647	544	1210
	0%	0%	0%	0%	0%	0%
grade 2 events	27306	29153	25840	24742	27399	122828
	2%	3%	2%	2%	2%	8%
grade 3 events	12801	13100	11942	12245	12473	54875
	1%	1%	1%	1%	1%	3%
grade 4 events	11847	13343	11969	12366	12212	54595
	1%	1%	1%	1%	1%	3%
grade 5 events	39957	41297	38435	43361	46032	128101
	4%	4%	3%	4%	4%	9%
grade 6 events	21888	25369	20380	21646	26122	330132
	2%	2%	2%	2%	2%	23%
grade 7 events	746536	753178	831308	824417	853912	653100
	80%	80%	82%	82%	82%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	31.18367071572186	31.18367071572186	Subarray requested	NONE	NONE
Pointing Dec	-5.088154345893957	-5.088154345893957	Alternating exposures requested	N	N
Pointing Roll	121.5786267255821	121.5786267255821	Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673			
SIM defocus (mm)	0.001439854621703041	0.001439854621703041			
SIM translation stage pos (mm)	-233.5874344608	-233.5874344608			
SIM translation stage offset (mm)	-0.005028630631784381	-0.005028630631784381			
Observation start time	171853376.51063	171853376.51063			
Observation start date	2003-06-13T01:27:01	2003-06-13T01:02:56			
Observation end time	172017117.1926	172017117.1926			
Observation end date	2003-06-14T22:30:52	2003-06-14T22:31:57			
Read mode	TIMED	TIMED			

2.3 Aspect



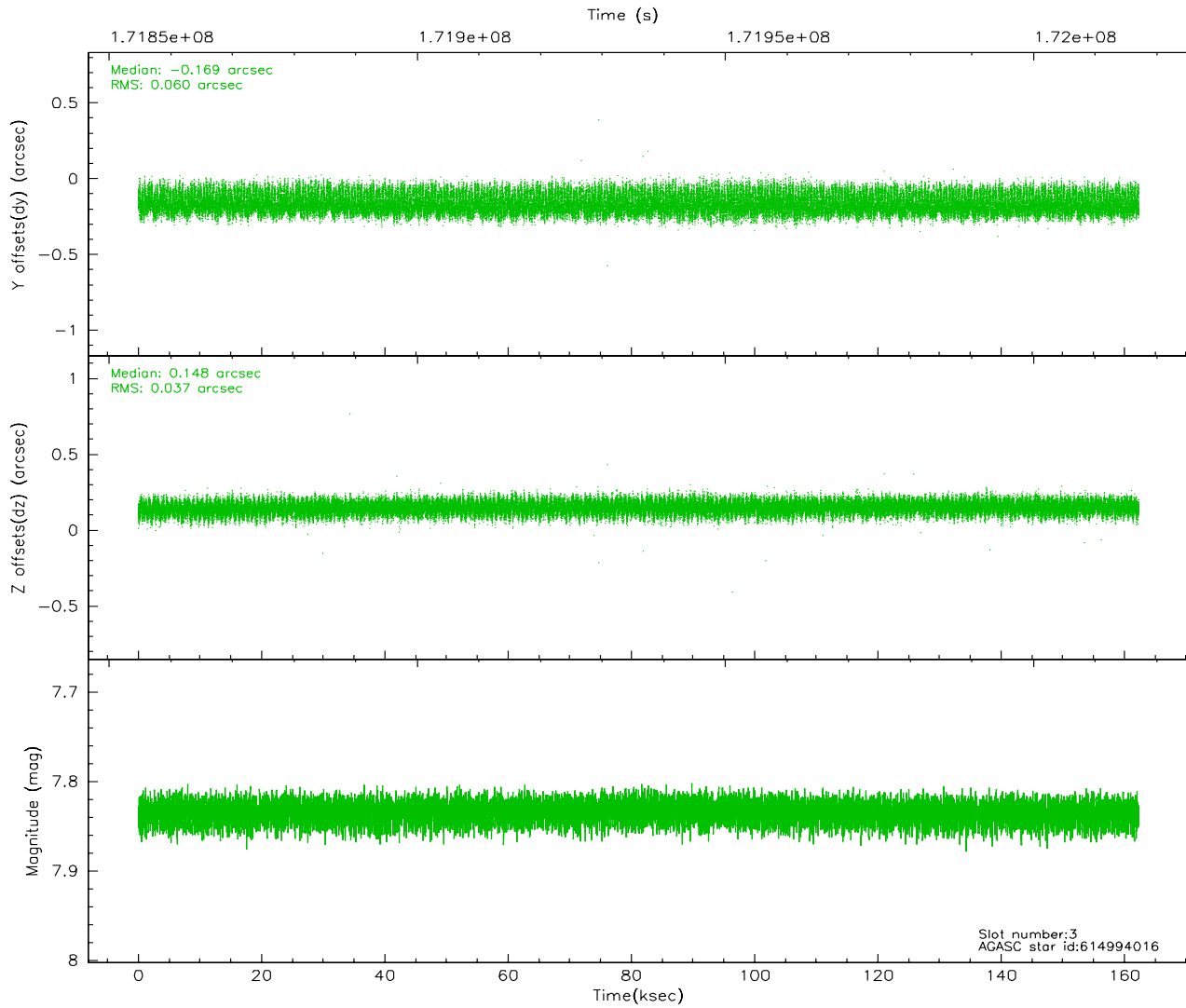
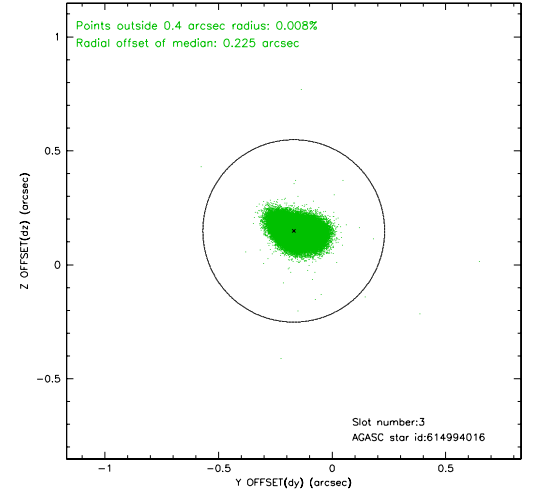
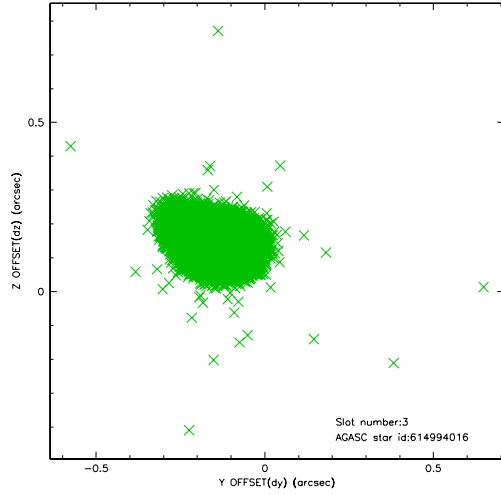


Slot Statistics

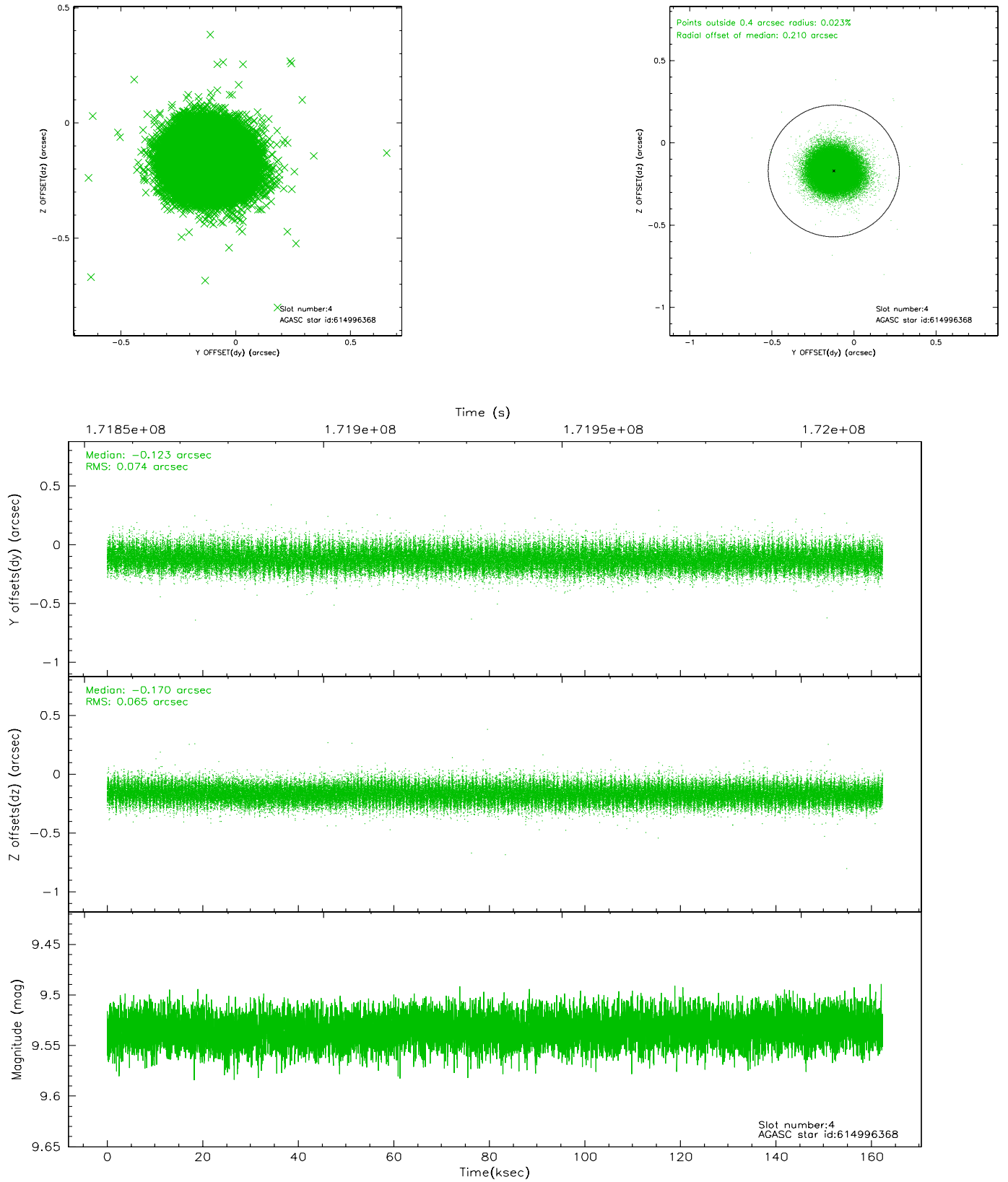
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	39602	-0.042	-0.060	0.010	0.019	0.000000	0.000000	-759.98	-840.13
1	FID	ACIS-I-4	7.18	39602	0.043	0.048	0.008	0.021	0.000000	0.000000	2154.21	1066.22
2	FID	ACIS-I-5	7.23	39606	-0.102	0.081	0.010	0.019	0.000000	0.000000	-1814.02	1063.95
3	GUIDE	614994016	7.83	79127	-0.169	0.148	0.075	0.122	31.288878	-4.405036	1988.31	-1552.26
4	GUIDE	614996368	9.53	79170	-0.123	-0.170	0.104	0.170	30.800475	-4.593523	2320.92	297.48
5	GUIDE	614997584	8.51	79191	0.013	0.060	0.064	0.104	30.952492	-4.578768	2082.53	-195.51
6	GUIDE	615390216	7.65	79199	0.255	-0.193	0.055	0.093	31.061043	-5.710942	-1600.42	1591.79
7	GUIDE	614998344	7.61	79204	0.021	0.156	0.076	0.120	31.560945	-4.365038	1602.98	-2460.75

2.4 Star Slots

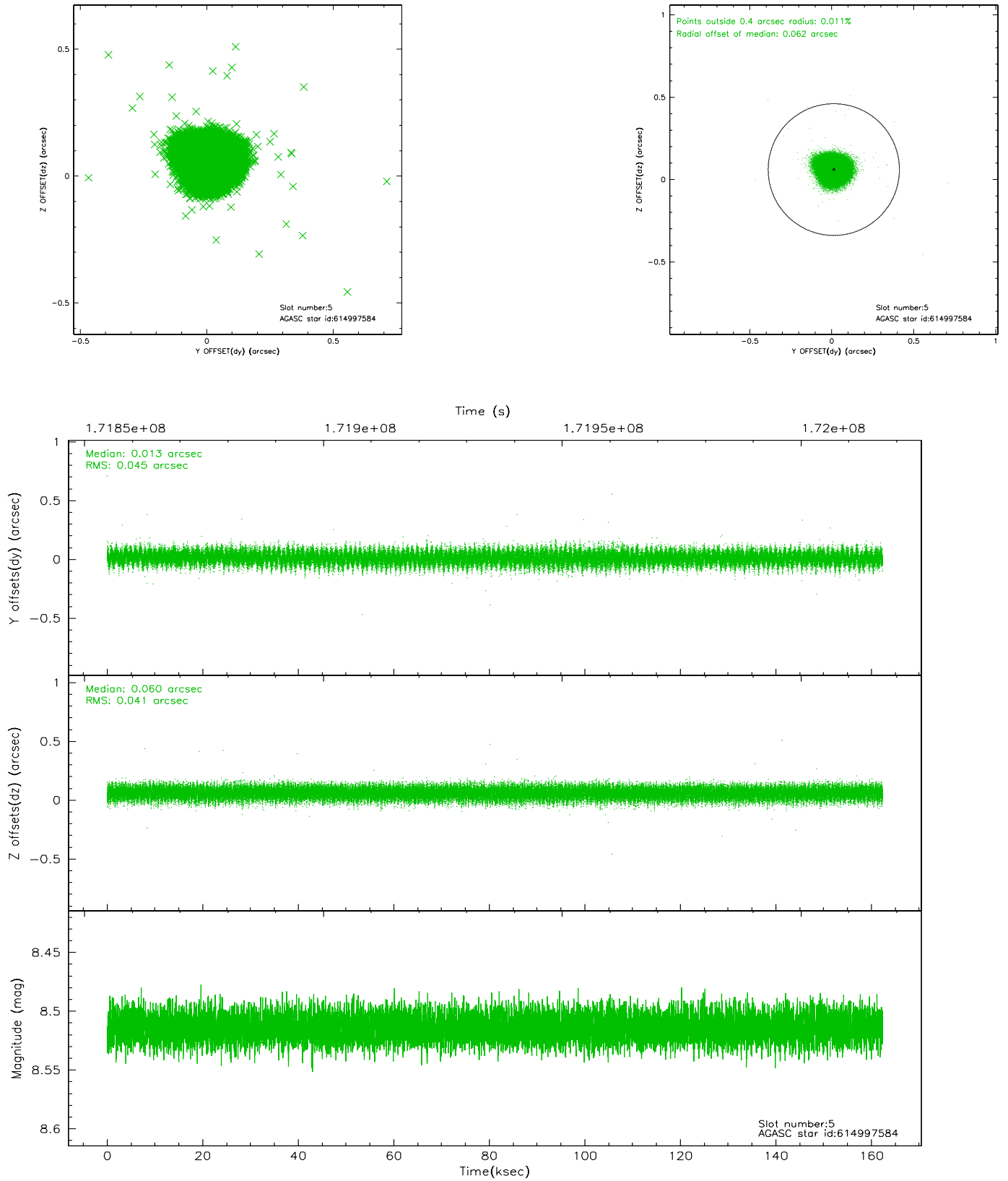
2.4.1 Slot 3



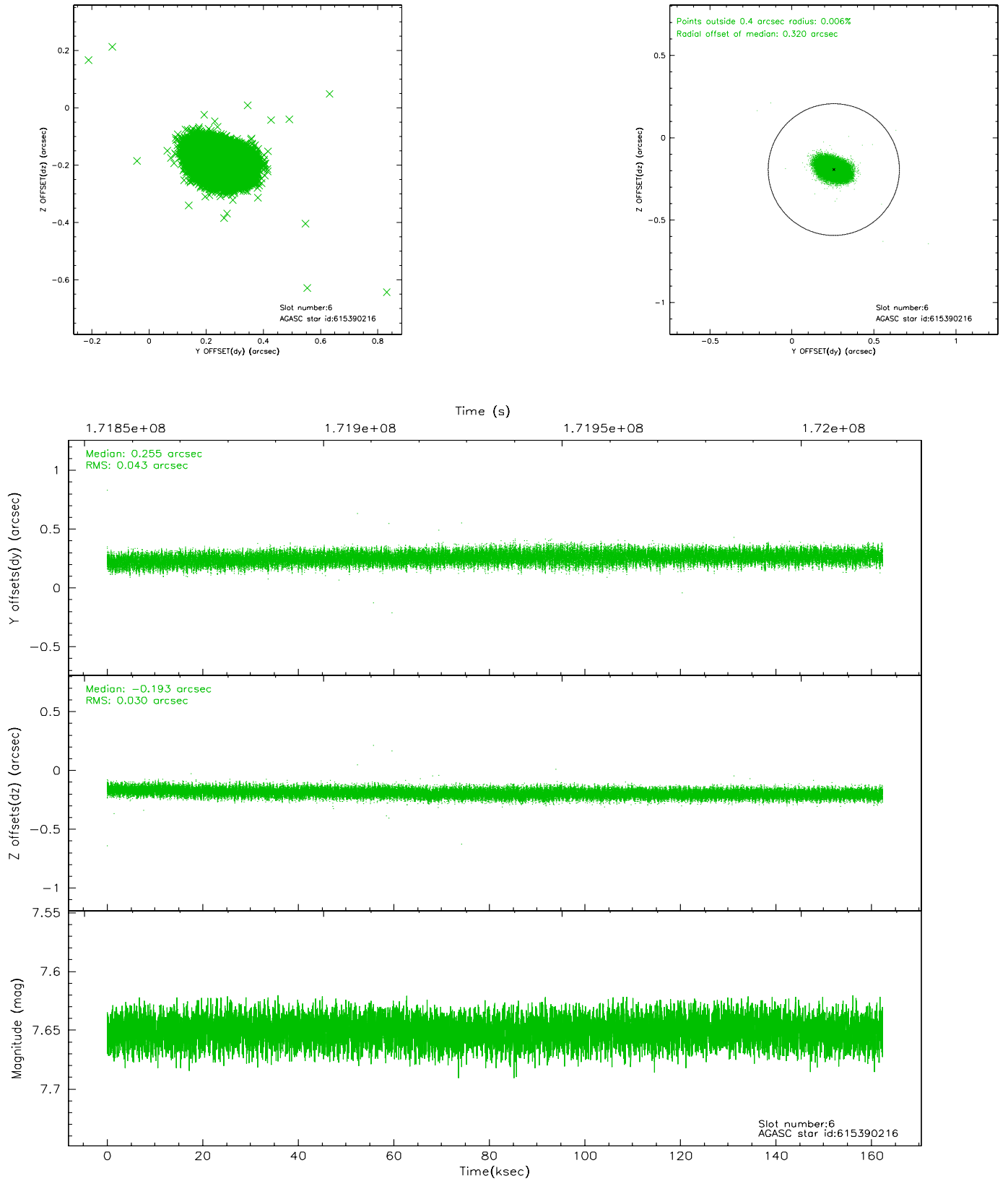
2.4.2 Slot 4



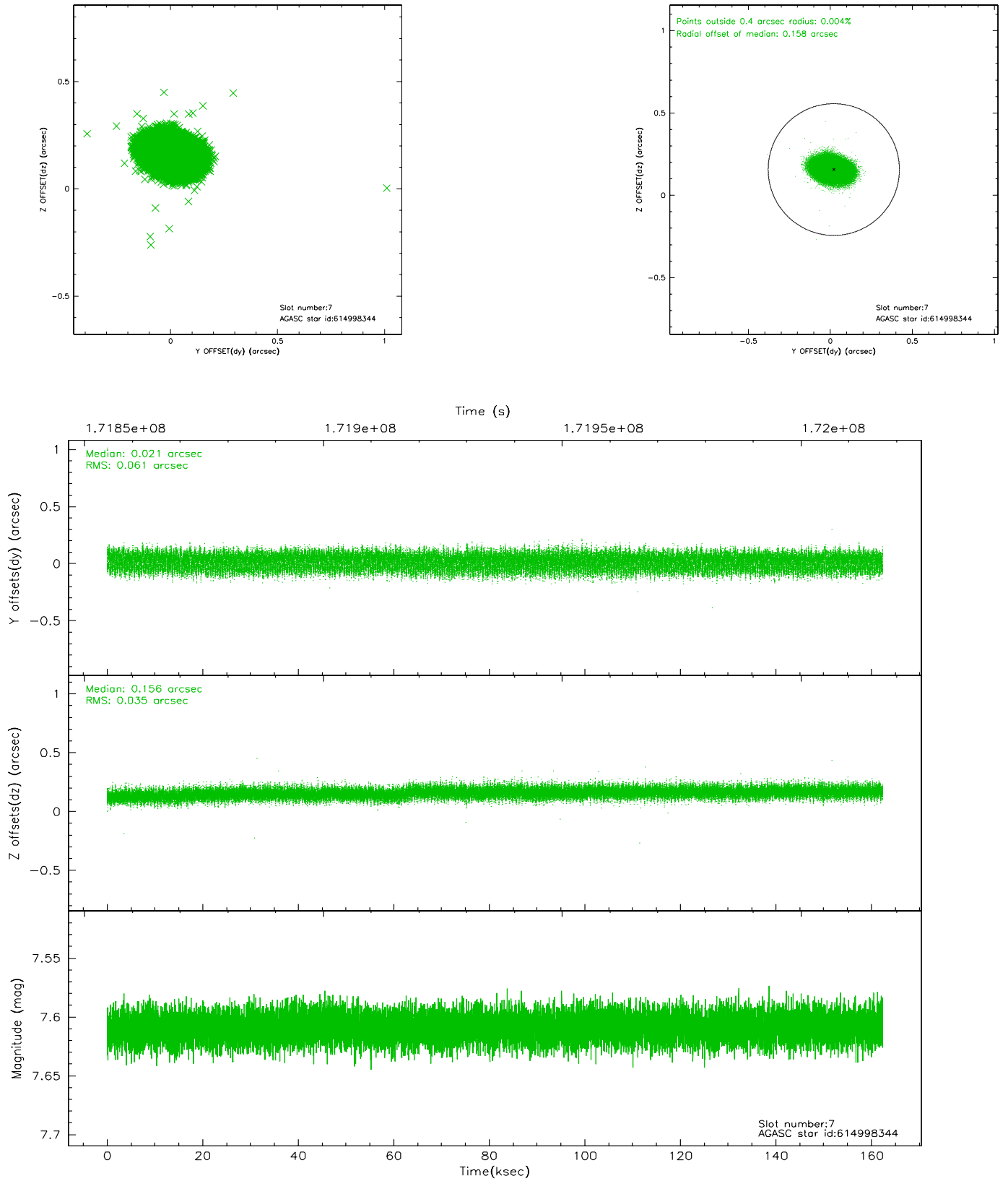
2.4.3 Slot 5



2.4.4 Slot 6

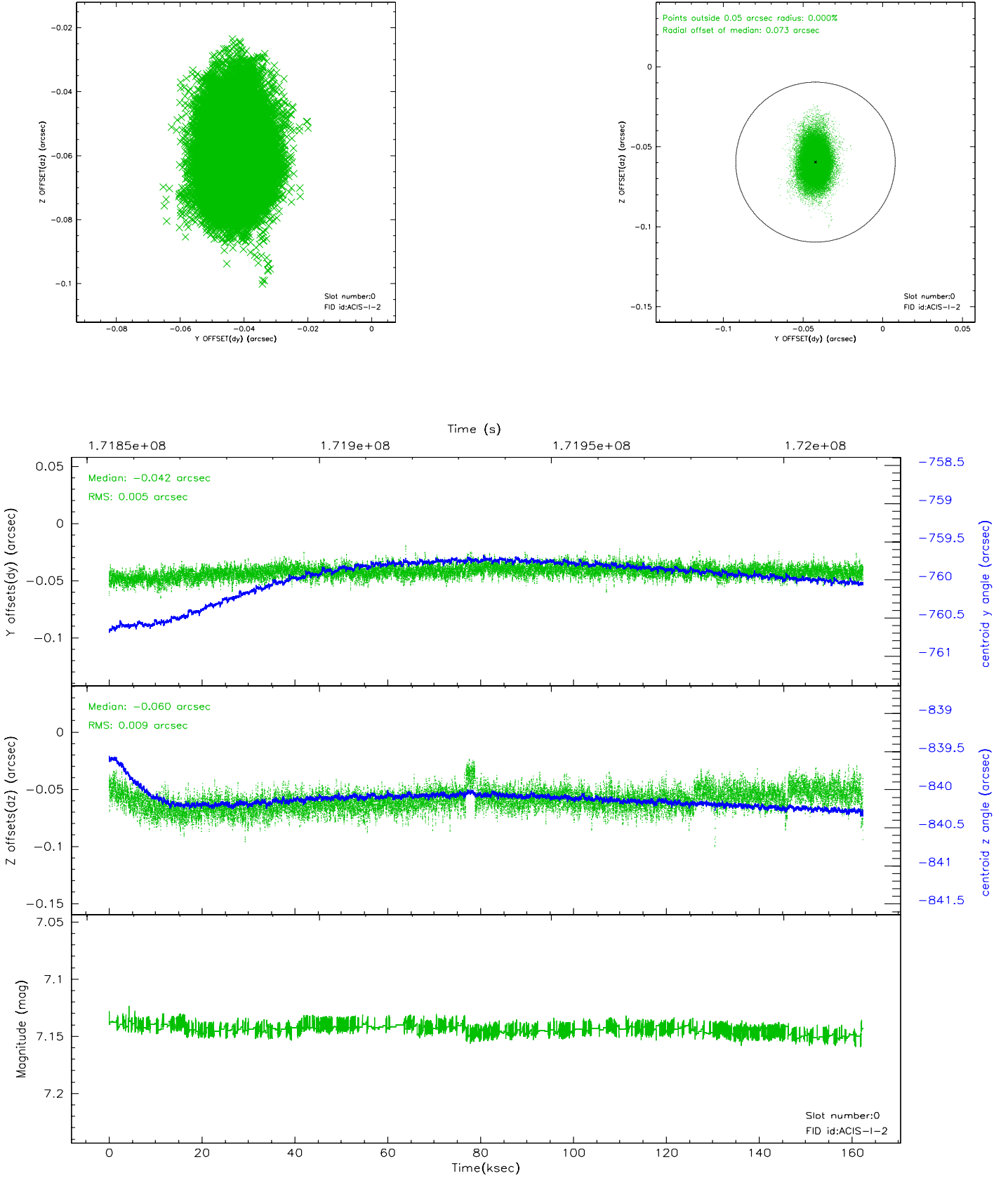


2.4.5 Slot 7

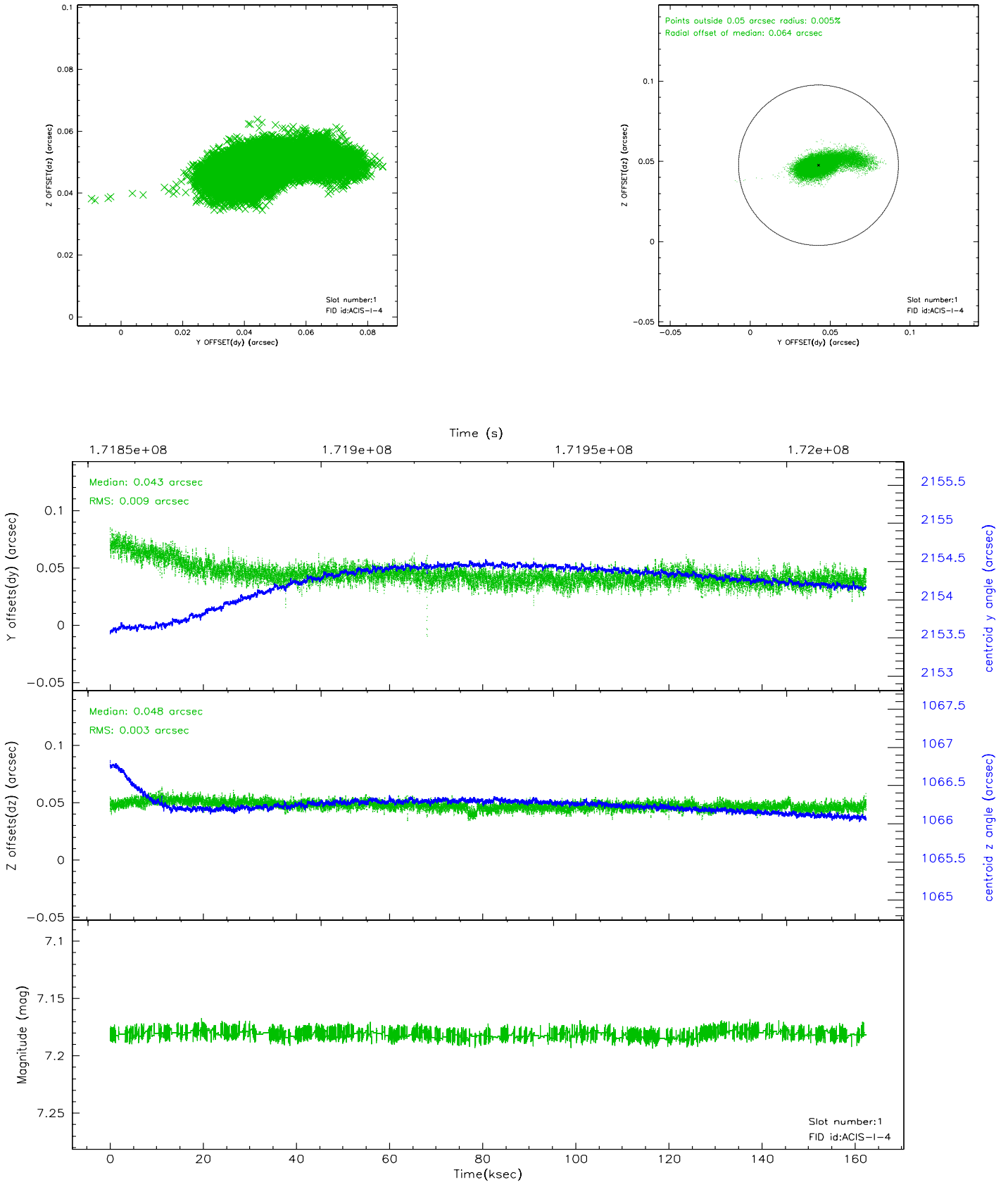


2.5 FID Slots

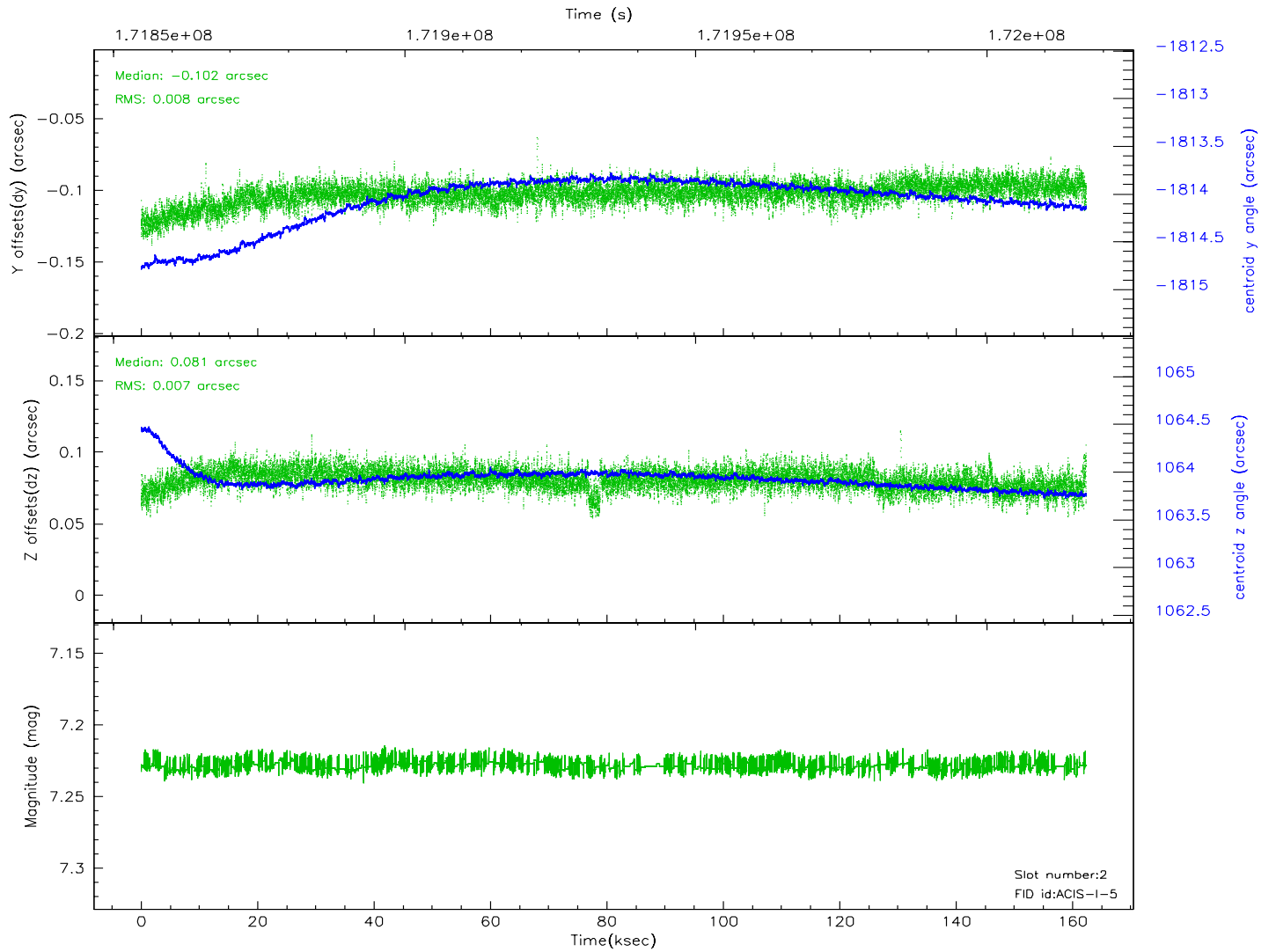
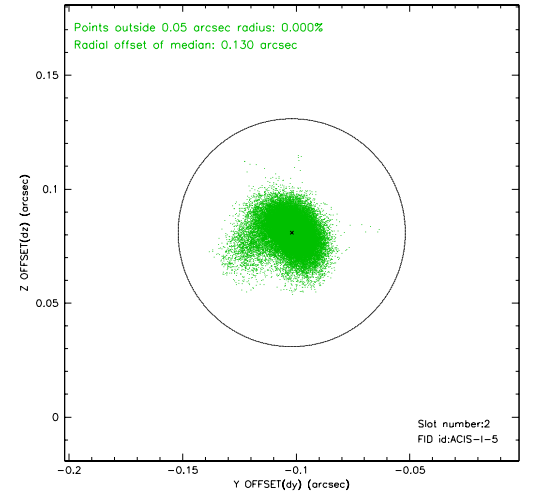
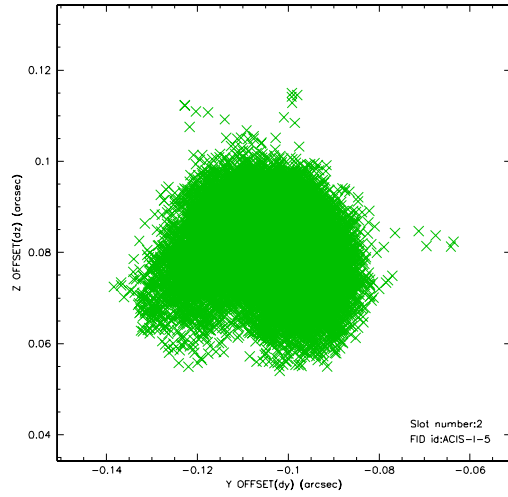
2.5.1 Slot 0



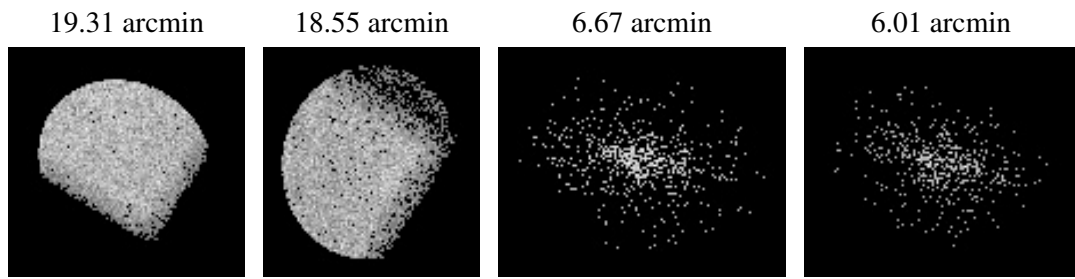
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	162

A.2 Comments

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.