

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4654 - L2 Version 3
Chandra X-Ray Center

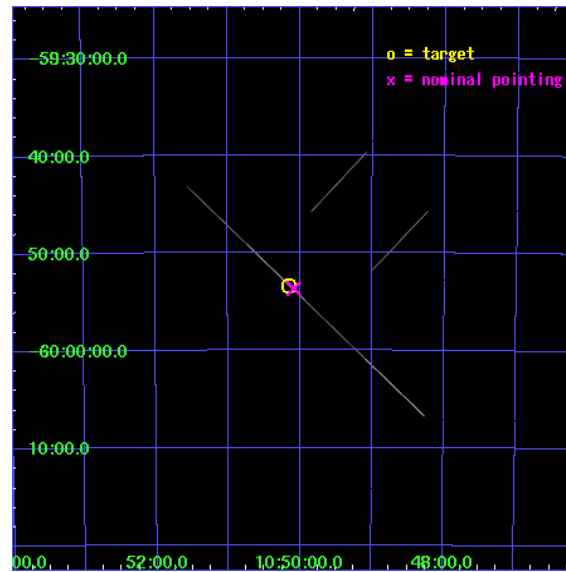
L2 Processing Date : Apr 11 2008

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

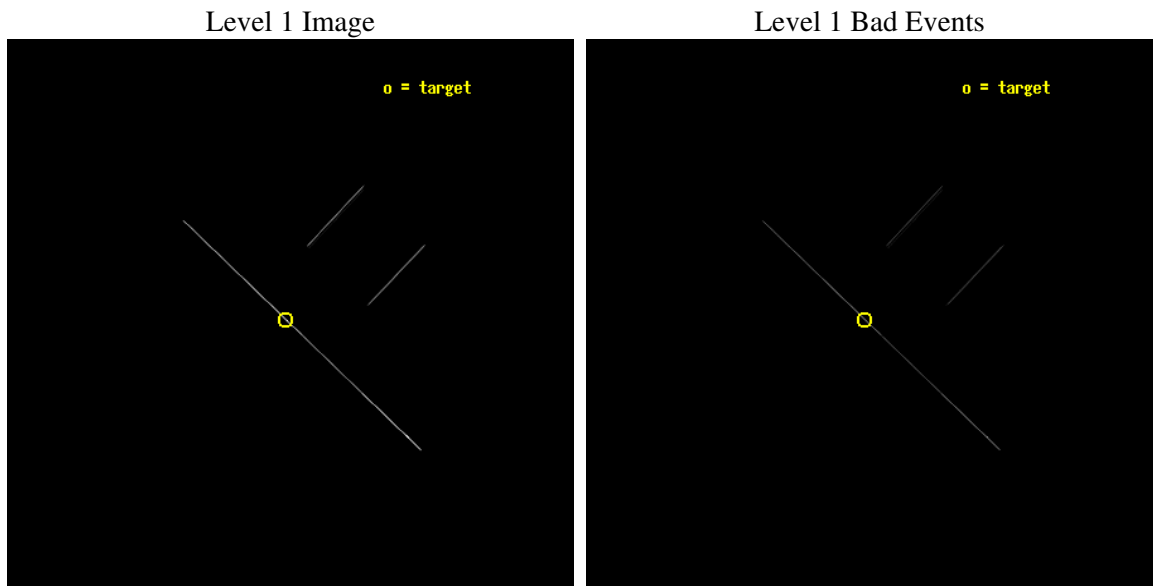
seq_num	500473
obs_id	4654
title	X-ray Bursts from Anomalous X-ray Pulsars
observer	Professor Victoria Kaspi
object	1E 1048.1-5937
ra_targ	162.537083
dec_targ	-59.889
ra_nom	162.52104430023
dec_nom	-59.89433501249
roll_nom	223.58208855177
revision	3
ontime	28081.041910052
livetime	27971.350340091
ontime2	28081.041641742
ontime3	28081.039897829
ontime5	28081.041906744
ontime6	28081.041908294
ontime7	28081.041910052
ontime8	28081.041911602
l2events	410942



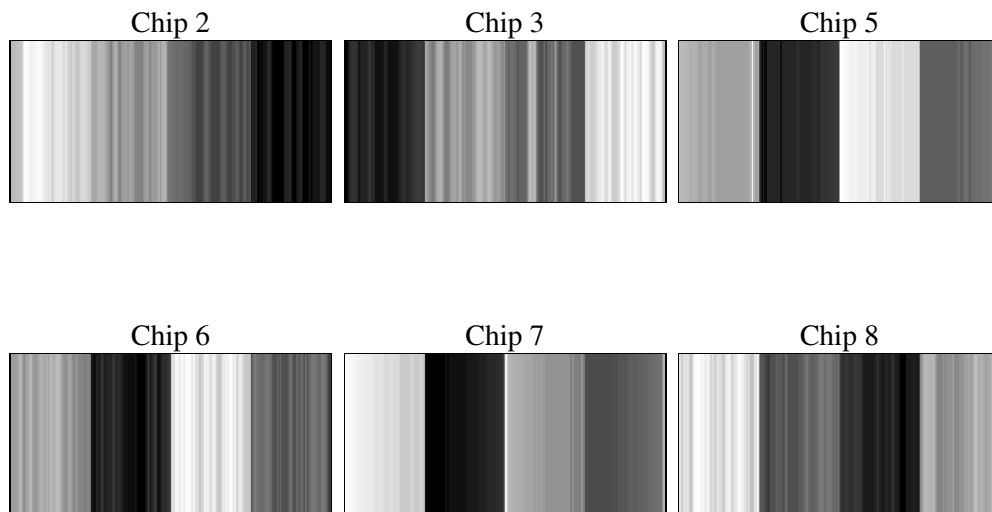
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.6
caldbver	3.4.4
date	2008-04-11T20:34:12
revision	3

sched_exp_time	27952.157000
ontime	28081.041910052
ontime2	28081.041641742
ontime3	28081.039897829
ontime5	28081.041906744
ontime6	28081.041908294
ontime7	28081.041910052
ontime8	28081.041911602
l1events	642698

2.1.4 Events

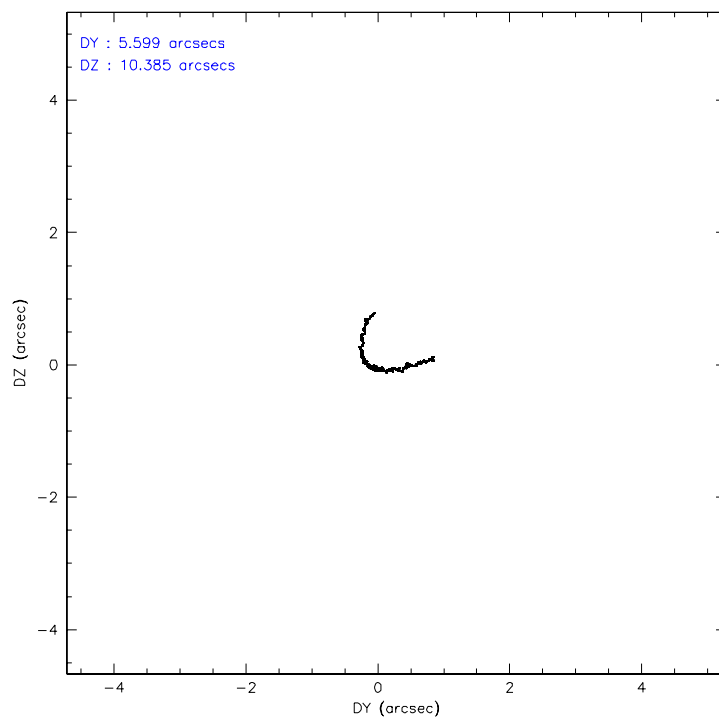
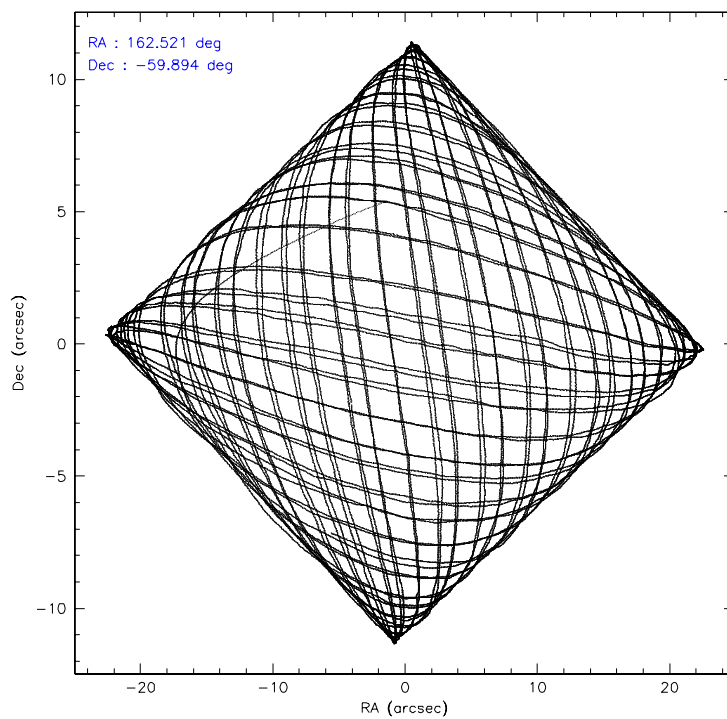
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46474	46547	228183	48246	180105	93143
rejected events	9648	9831	27415	10908	28341	16397
rejected %	20%	21%	12%	22%	15%	17%

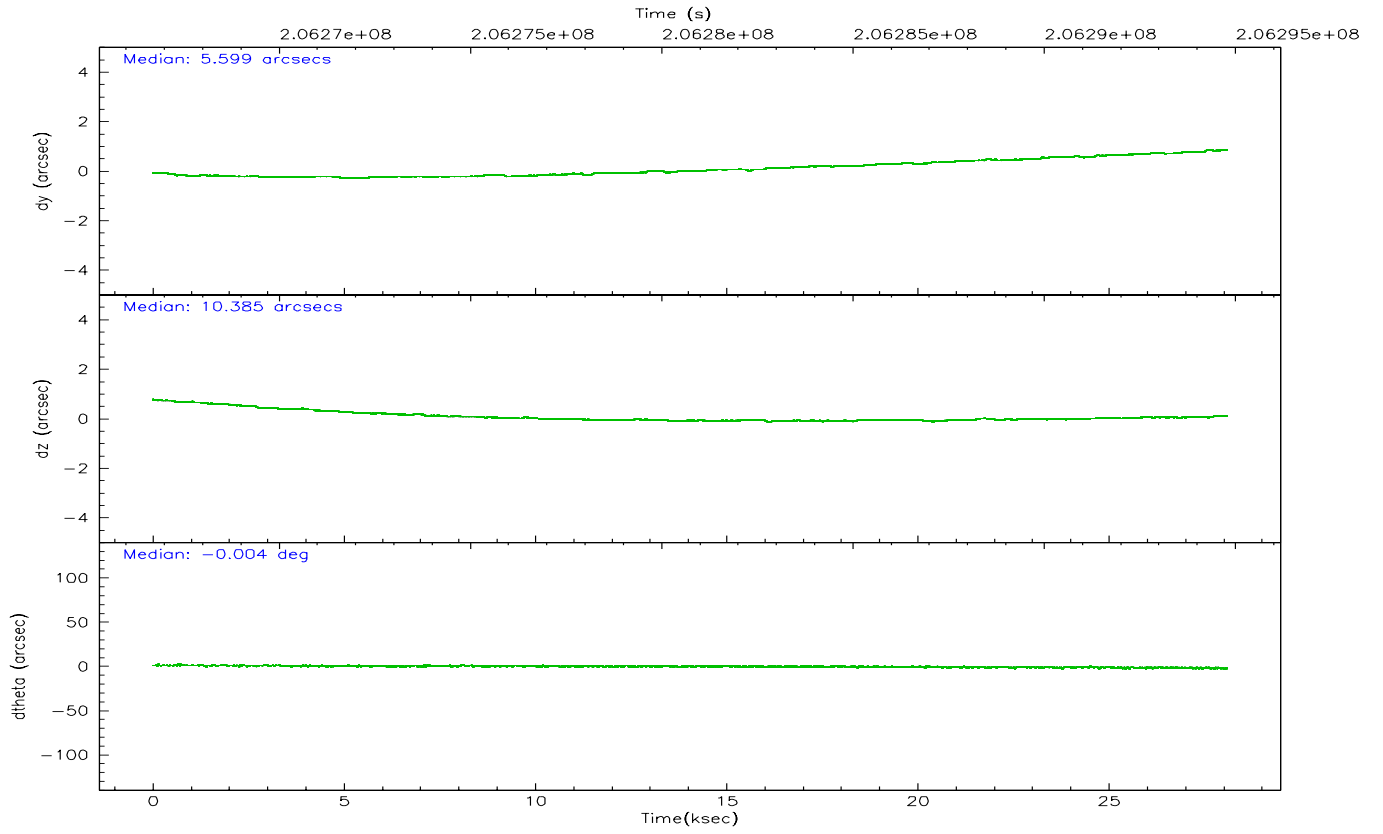
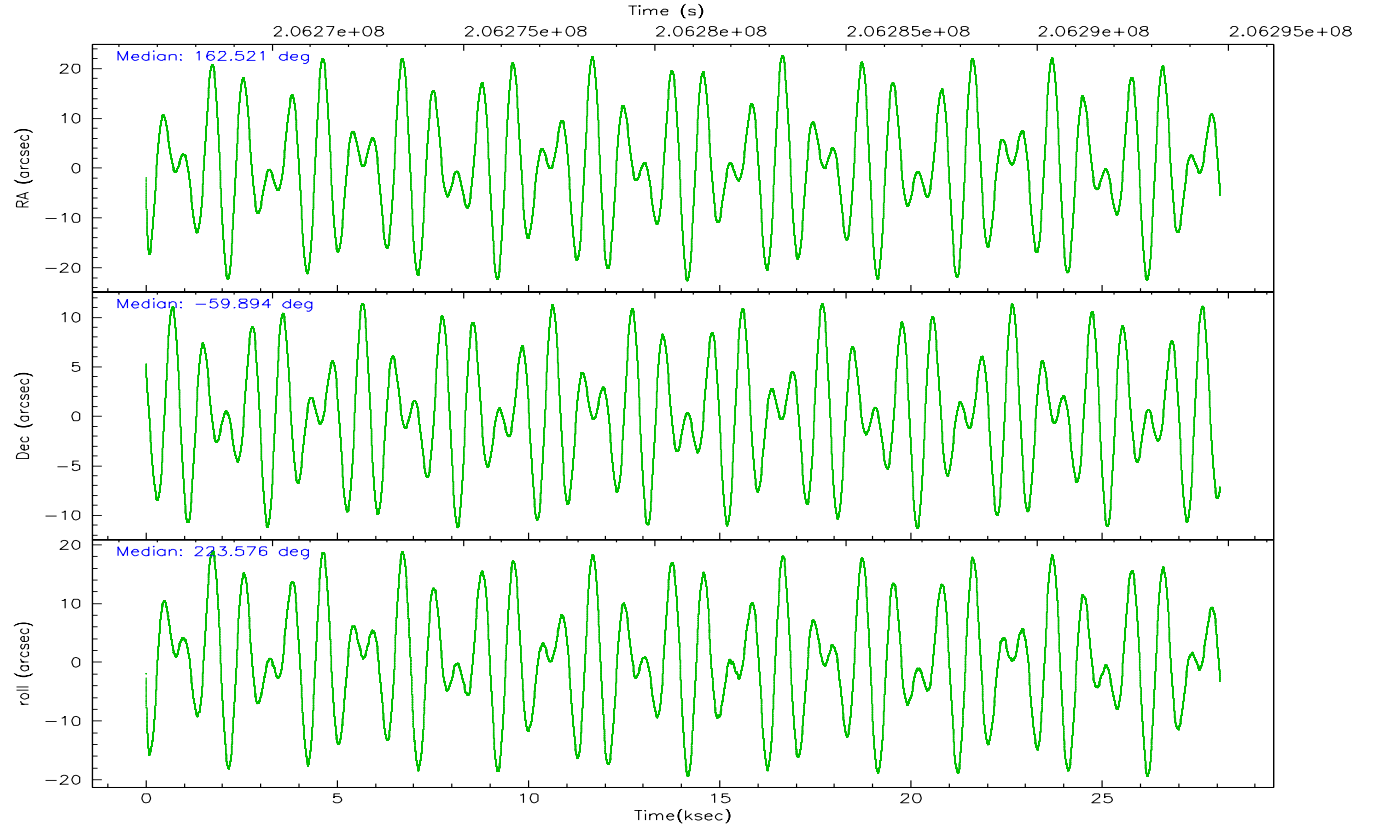
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	6233	5206	58696	4884	20457	16284
	13%	11%	25%	10%	11%	17%
grade 1 events	190	195	327	175	399	354
	0%	0%	0%	0%	0%	0%
grade 2 events	14677	14892	56807	15452	39758	25596
	31%	31%	24%	32%	22%	27%
grade 3 events	4582	5379	4207	4728	12708	8686
	9%	11%	1%	9%	7%	9%
grade 4 events	4909	4705	4060	4568	12478	8455
	10%	10%	1%	9%	6%	9%
grade 5 events	8126	8239	19884	9308	23413	12896
	17%	17%	8%	19%	12%	13%
grade 6 events	7757	7931	84202	9131	70892	20872
	16%	17%	36%	18%	39%	22%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	162.535642	162.5210443002316	Alternating exposures requested	N	N
Pointing Dec	-59.868118	-59.89433501249014	Primary exposure time	0.000000	0
Pointing Roll	223.438089	223.5820885517693			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	206266839.184000	206265590.76887			
Observation start date	2004-07-15T08:19:35	2004-07-15T07:59:50			
Observation end time	206294792.184000	206295005.70768			
Observation end date	2004-07-15T16:05:28	2004-07-15T16:10:05			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



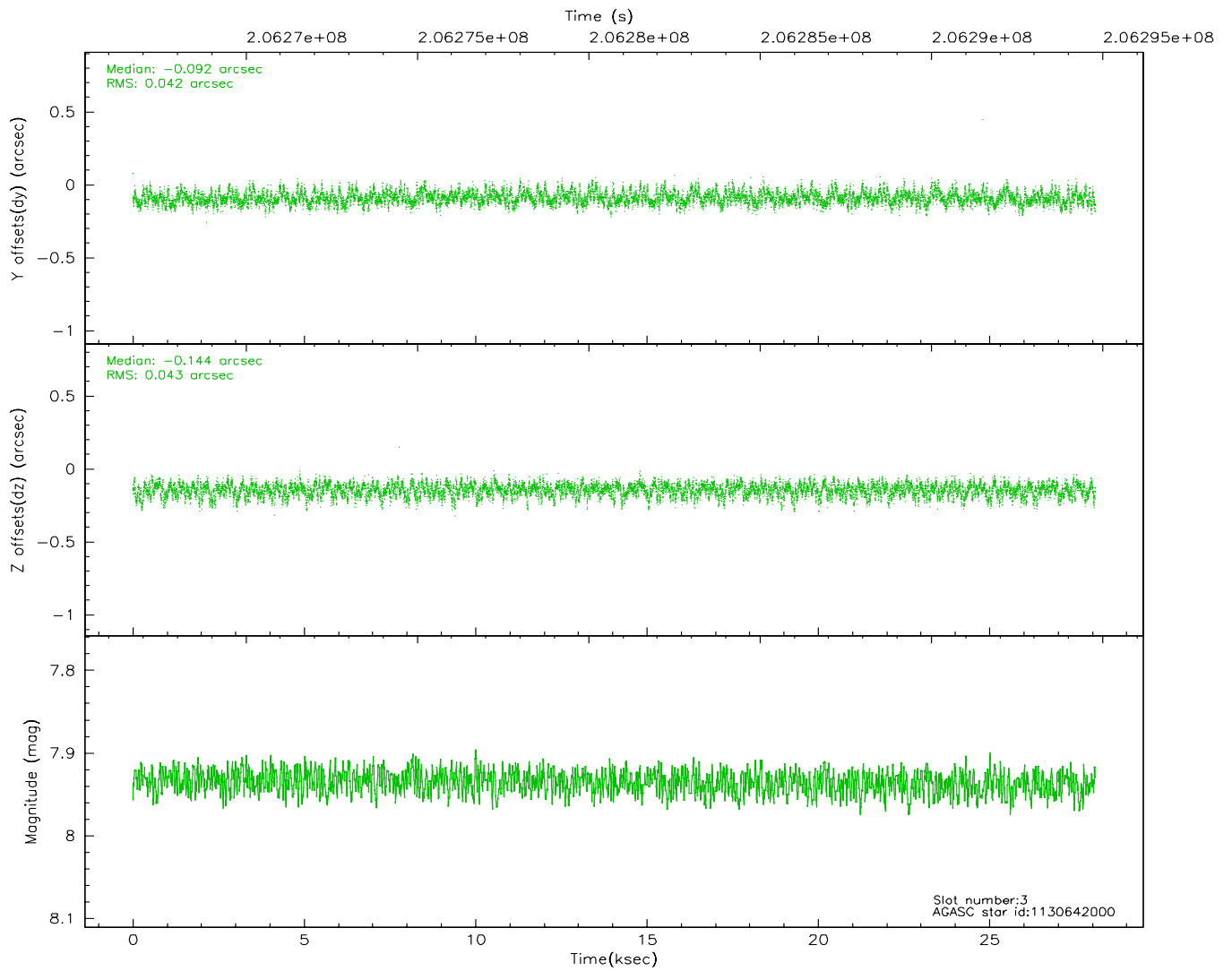
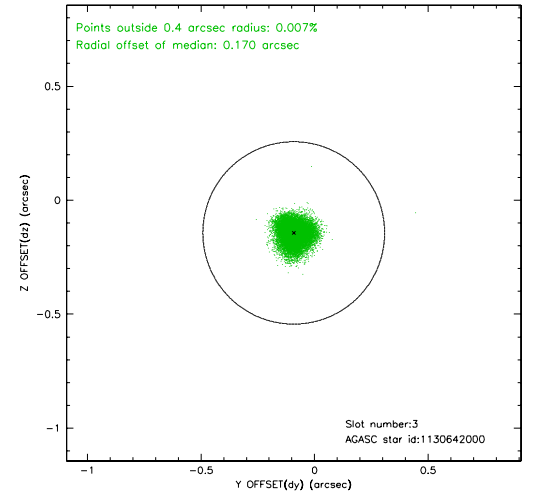
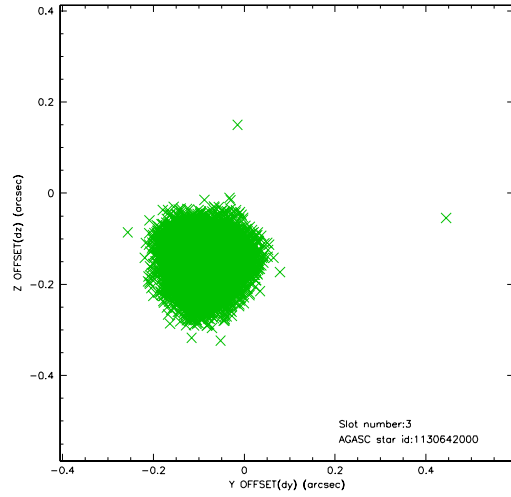


Slot Statistics

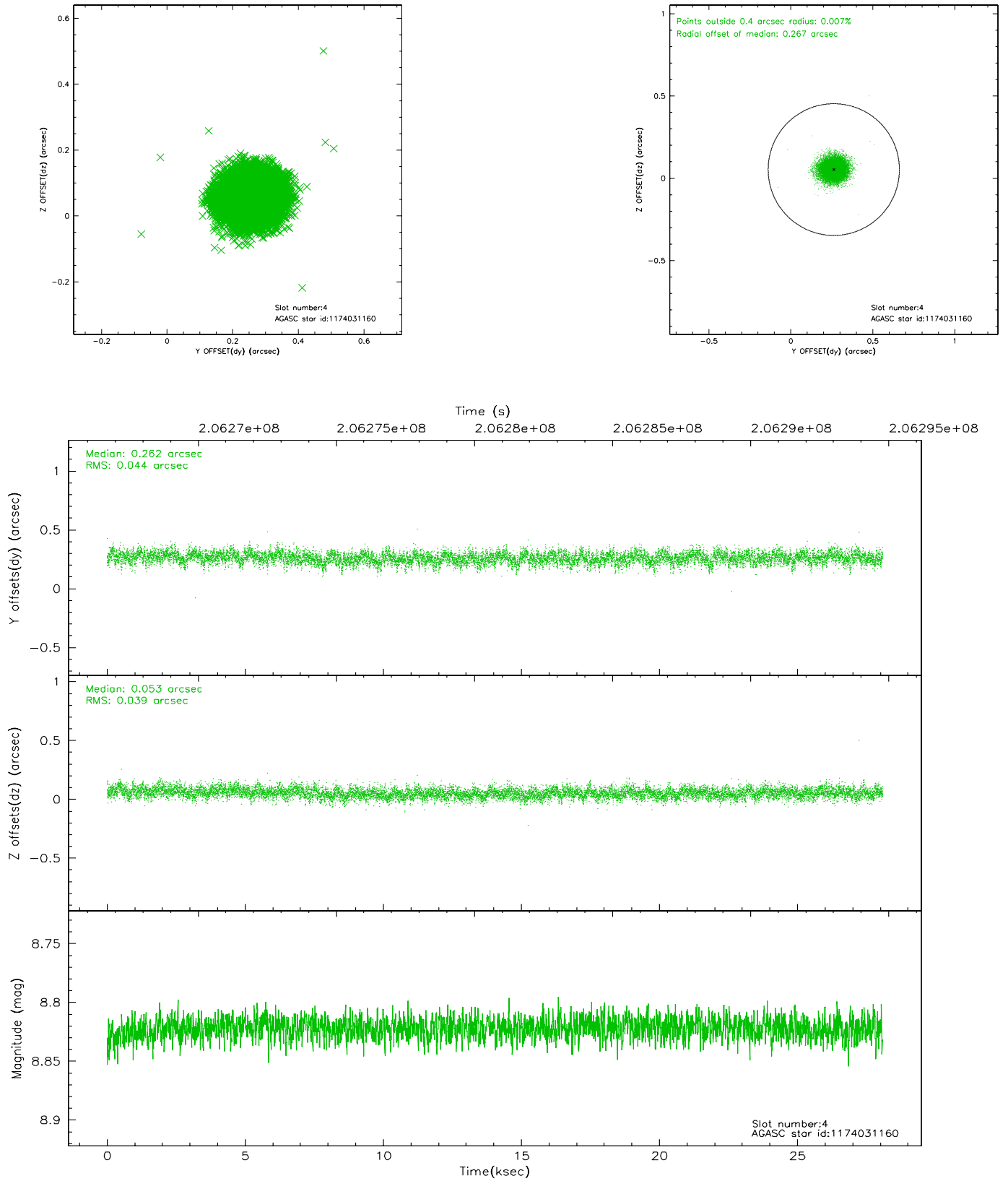
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	6850	-0.056	-0.033	0.008	0.020	0.000000	0.000000	-758.49	-1731.77
1	FID	ACIS-S-4	7.21	6849	0.030	0.037	0.009	0.014	0.000000	0.000000	2154.84	176.69
2	FID	ACIS-S-6	7.34	6849	-0.000	0.005	0.010	0.016	0.000000	0.000000	403.67	814.15
3	GUIDE	1130642000	7.93	13697	-0.092	-0.144	0.065	0.102	162.836255	-59.743891	-702.55	51.00
4	GUIDE	1174031160	8.82	13693	0.262	0.053	0.062	0.100	162.483783	-60.757597	2268.11	2262.98
5	GUIDE	1130646160	8.65	13683	0.013	-0.054	0.074	0.115	162.161730	-59.561264	-262.60	-1269.39
6	GUIDE	1174033144	8.46	13686	-0.088	0.110	0.068	0.113	161.168741	-60.059230	2273.89	-1170.22
7	GUIDE	1174150720	8.96	13686	-0.092	0.033	0.097	0.158	164.104813	-60.030464	-1624.16	2388.69

2.4 Star Slots

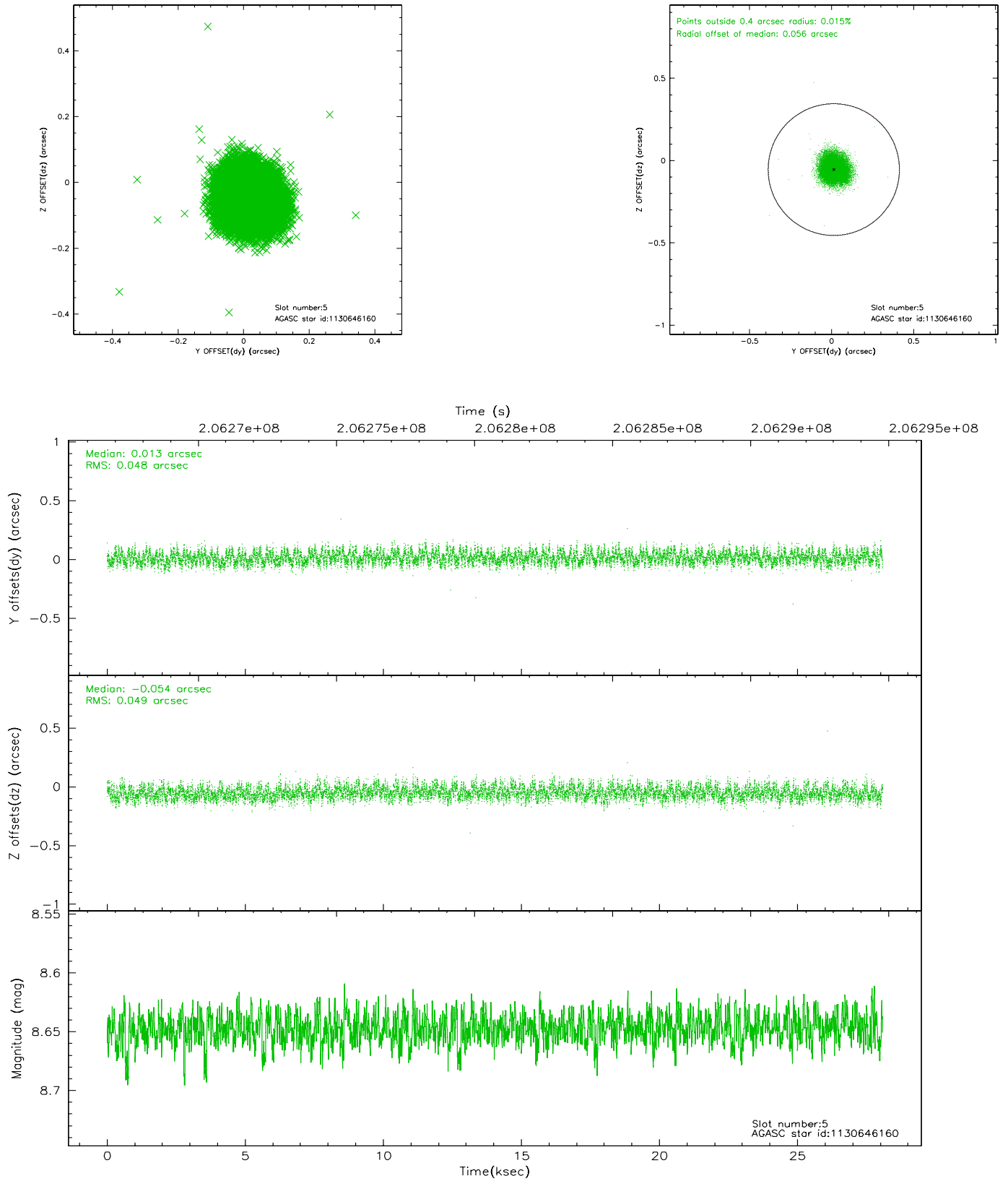
2.4.1 Slot 3



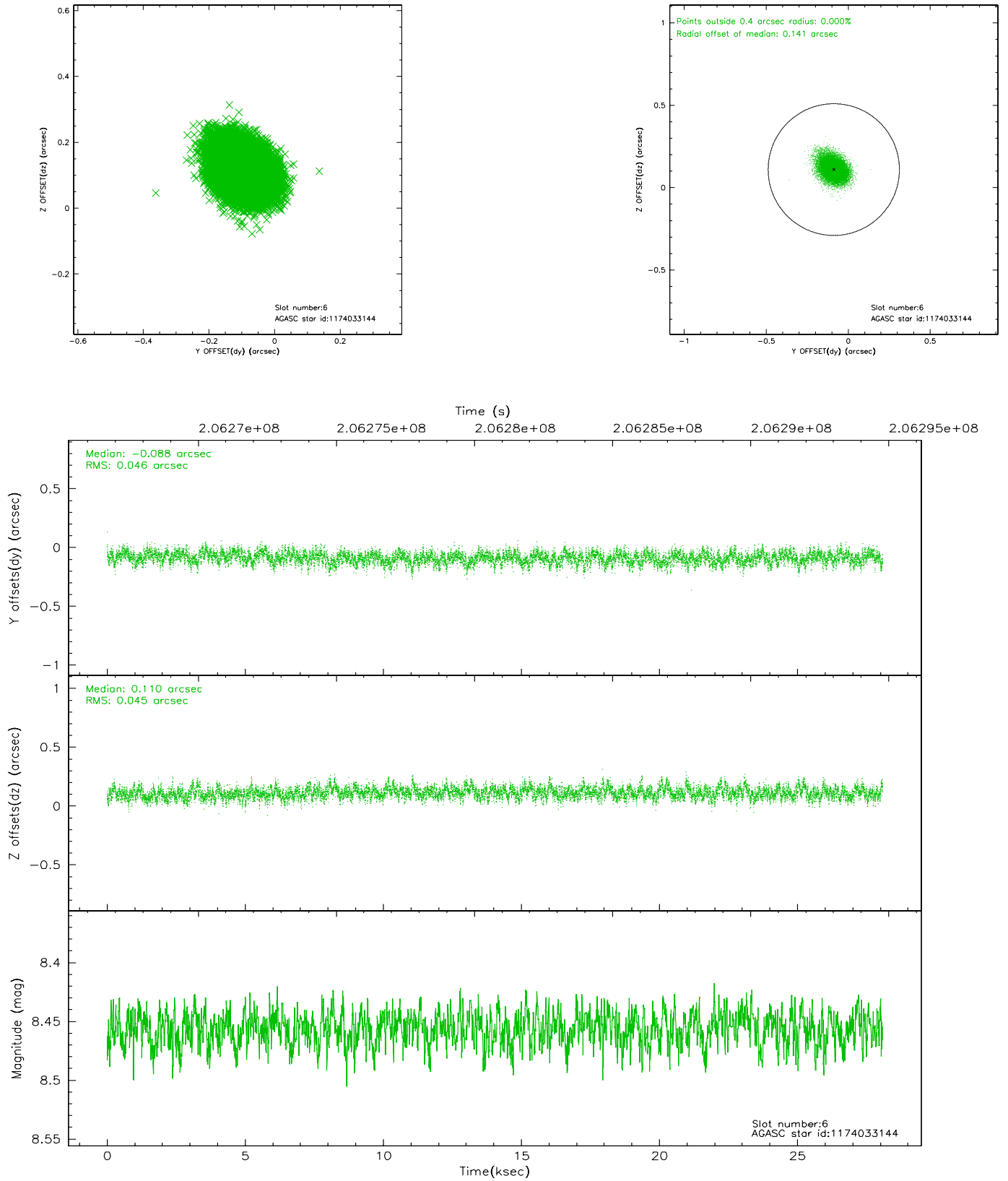
2.4.2 Slot 4



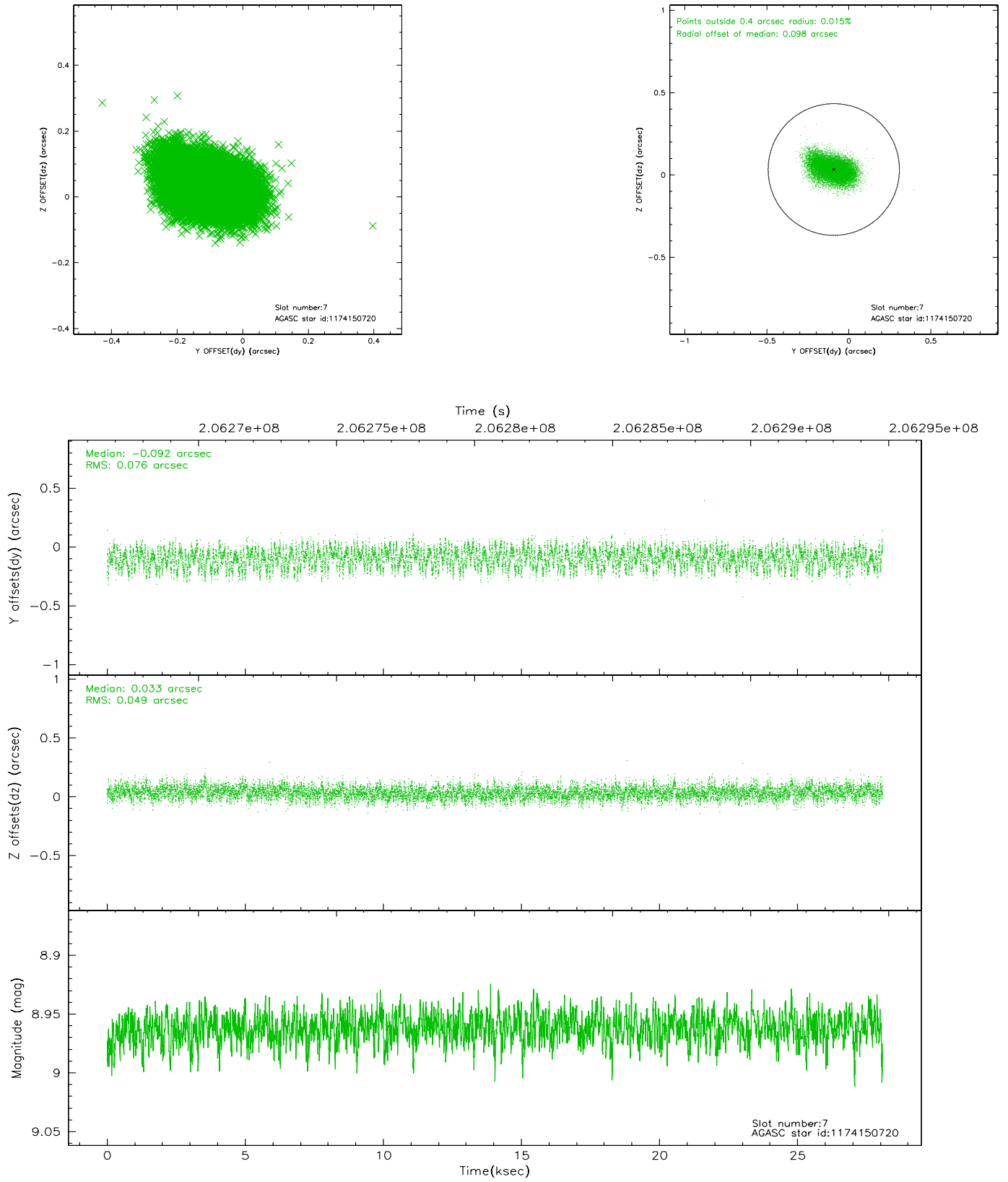
2.4.3 Slot 5



2.4.4 Slot 6

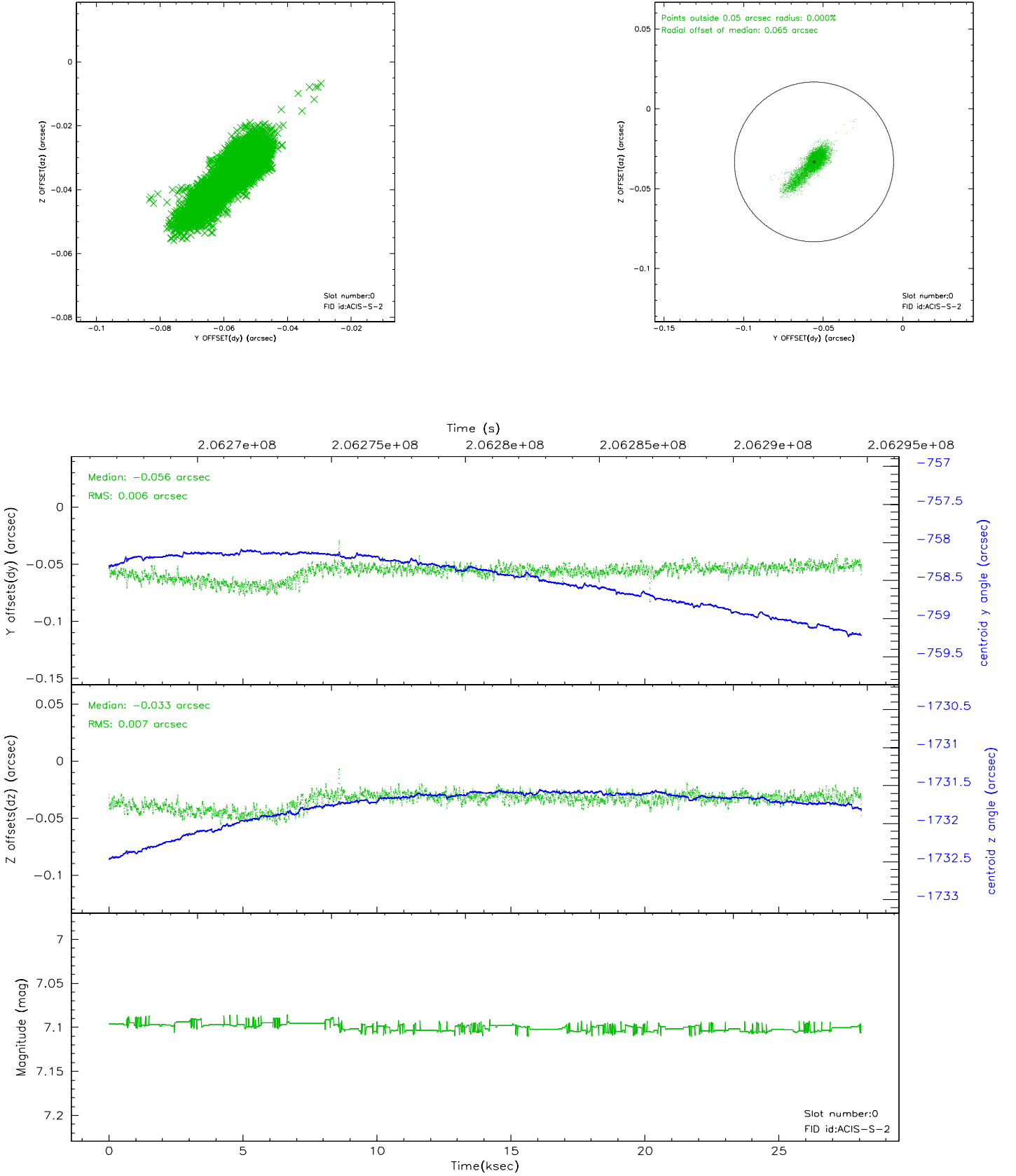


2.4.5 Slot 7

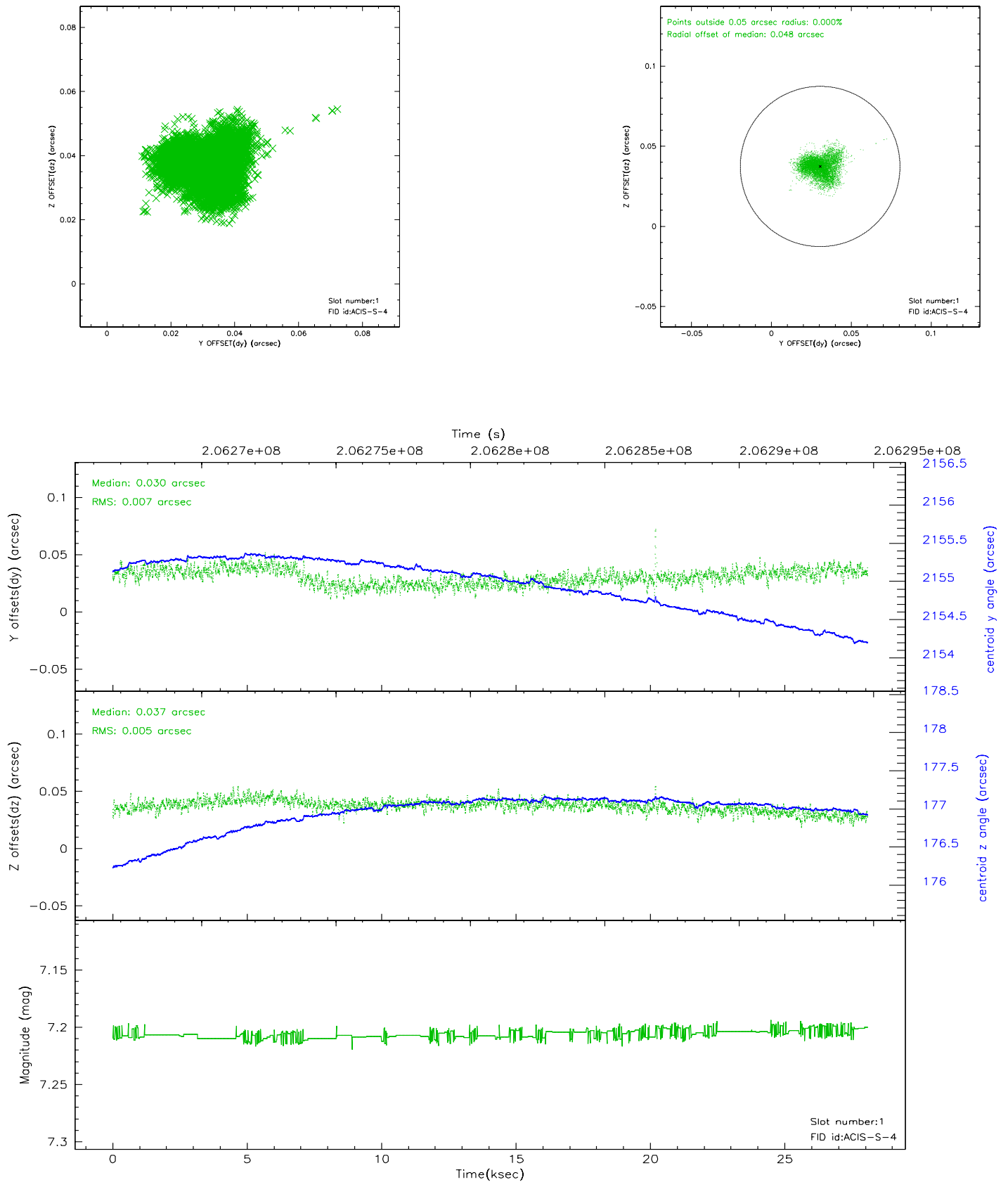


2.5 FID Slots

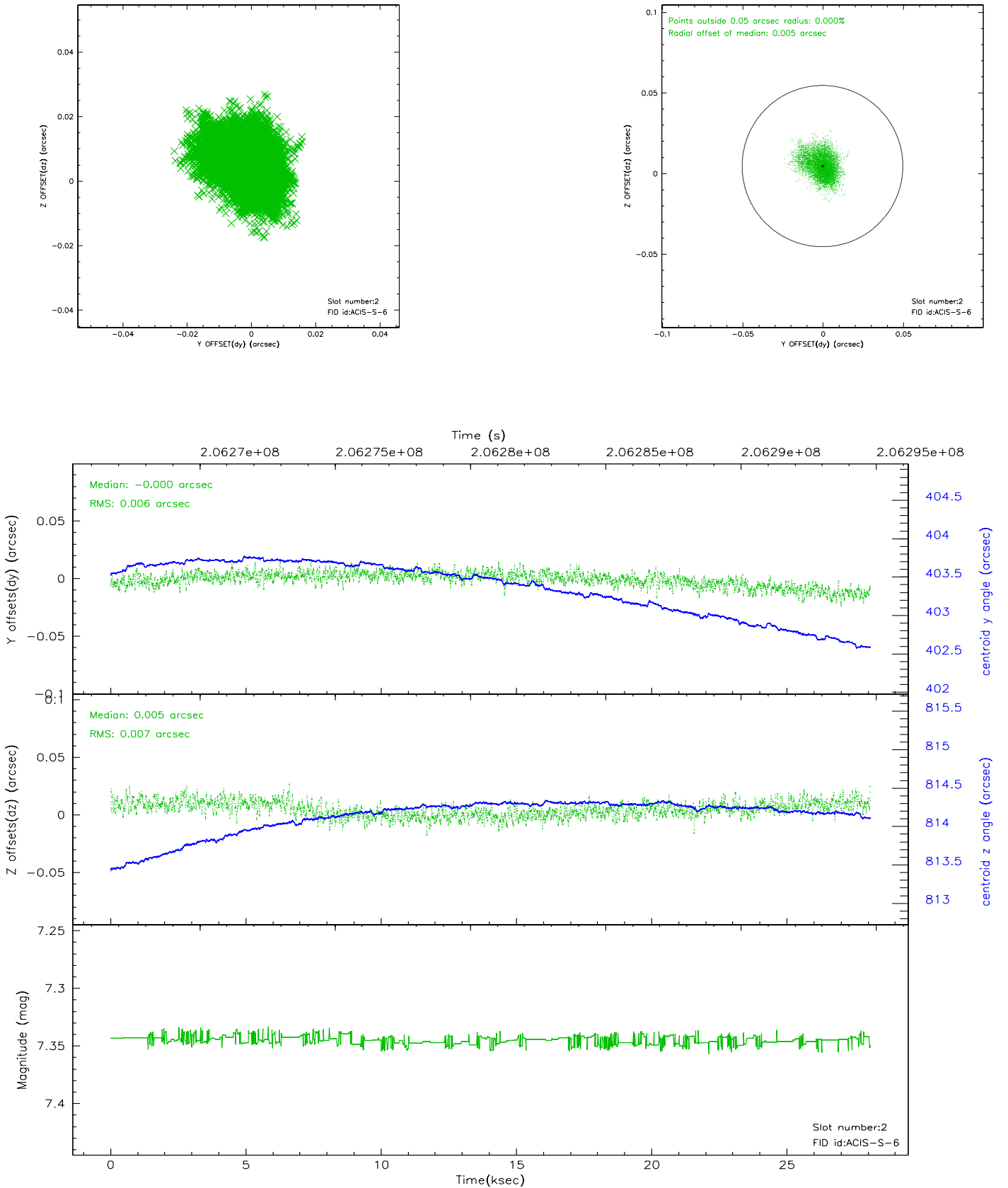
2.5.1 Slot 0



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)	2008.04.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.081

A.2 Comments