

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1863 - L2 Version 001
Chandra X-Ray Center

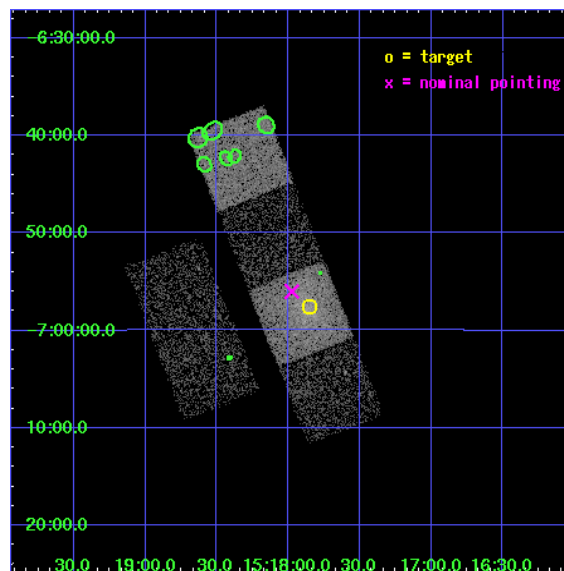
L2 Processing Date : Nov 2 2006

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1 Front

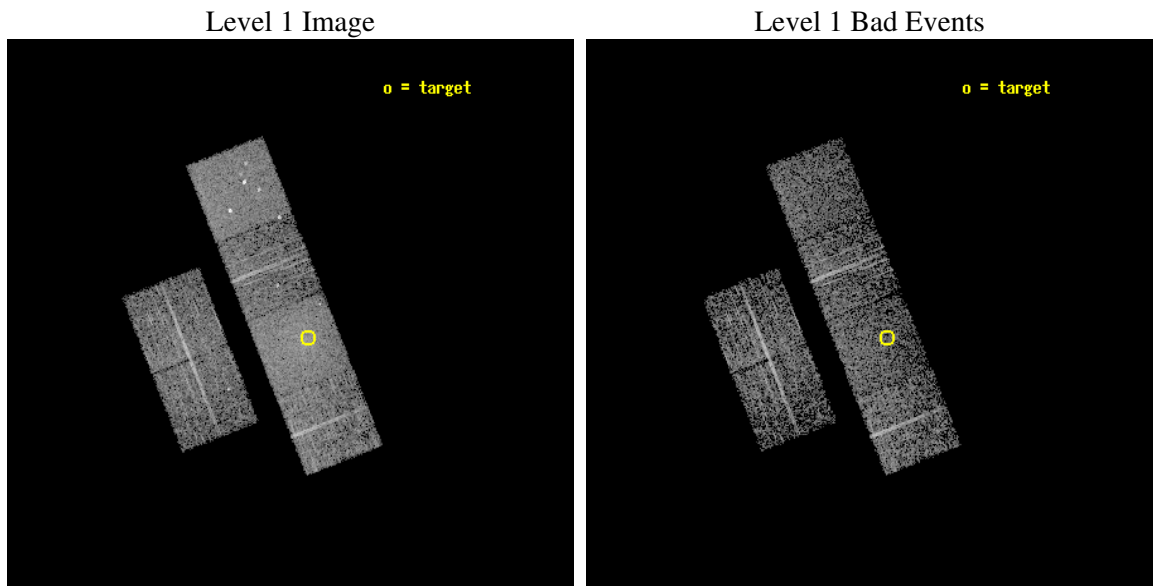
seq_num	100021
obs_id	1863
title	X-RAY SPECTROSCOPY OF COMET C/1999 T1
observer	Dr. Vladimir Krasnopolsky
object	C/1999 T1
dtcycle	0
cycle	P
ra_targ	229.46374
dec_targ	-6.95845
ra_nom	229.49376838686
dec_nom	-6.9334967879739
roll_nom	68.49956644343
revision	2
ontime	3353.6000031233
livetime	3311.1347005882
ontime2	3353.6000031233
ontime3	3353.6000031233
ontime5	3353.6000031233
ontime6	3353.6000031233
ontime7	3353.6000031233
ontime8	3353.6000031233
l2events	34854



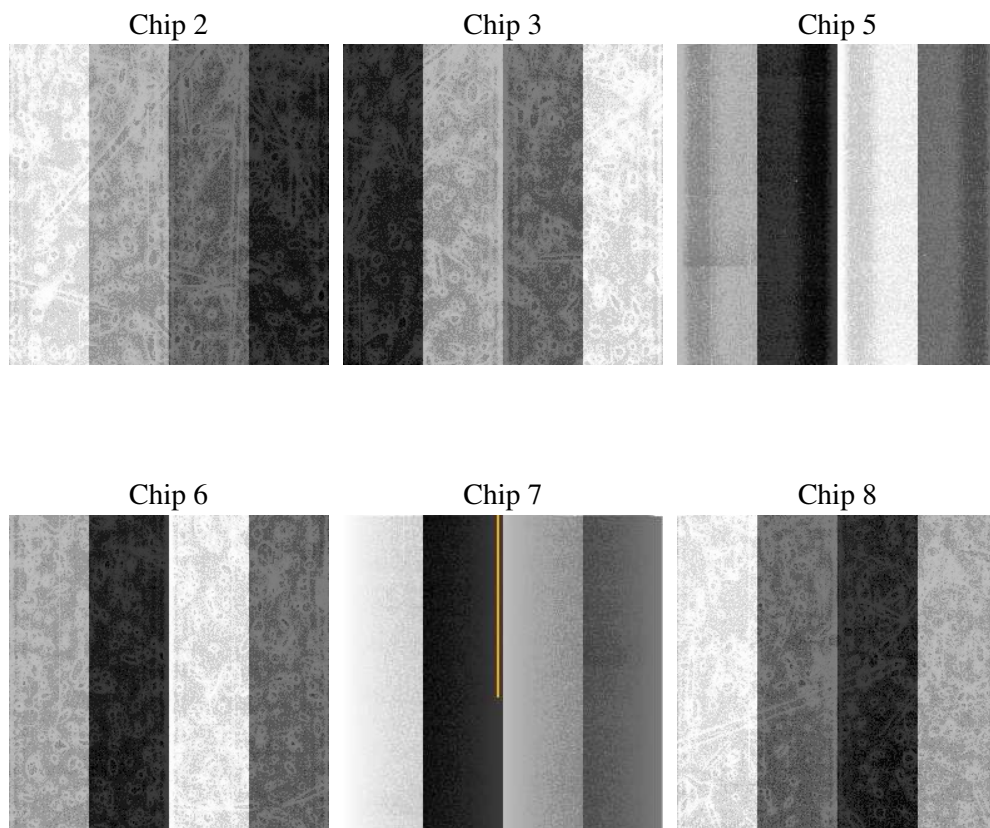
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-11-02T13:19:34
revision	2

sched_exp_time	3400.000000
ontime	3357.6729688495
ontime2	3357.6729489267
ontime3	3357.6729688495
ontime5	3357.6729688495
ontime6	3357.6729489267
ontime7	3357.6729688495
ontime8	3357.6729489267
l1events	148422

2.1.4 Events

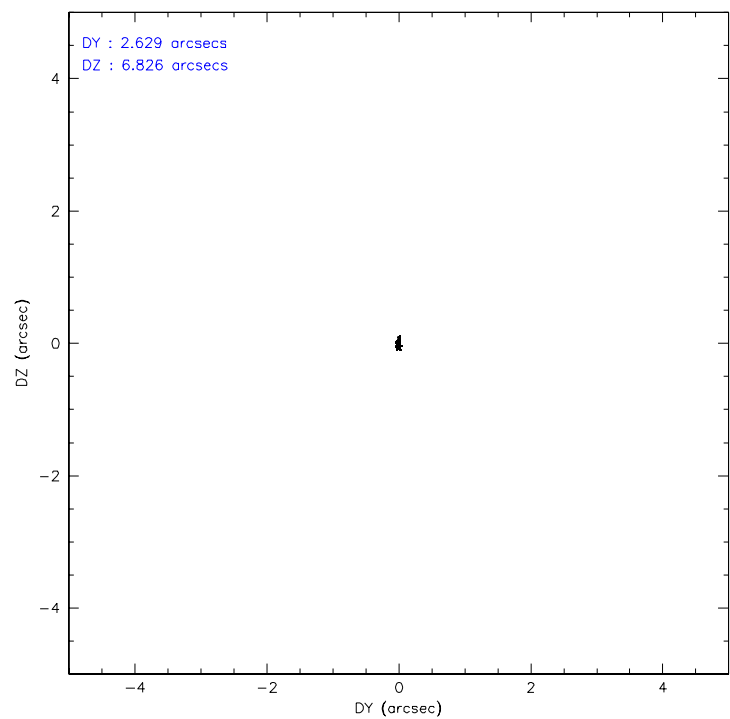
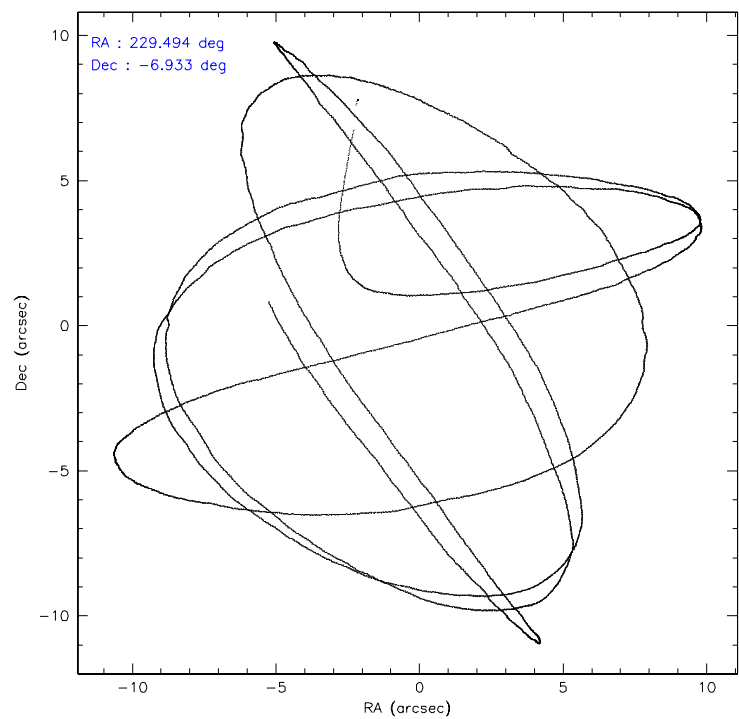
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	22171	19232	29764	21126	30545	25584
rejected events	19753	16807	15400	18468	15804	20745
rejected %	89%	87%	51%	87%	51%	81%

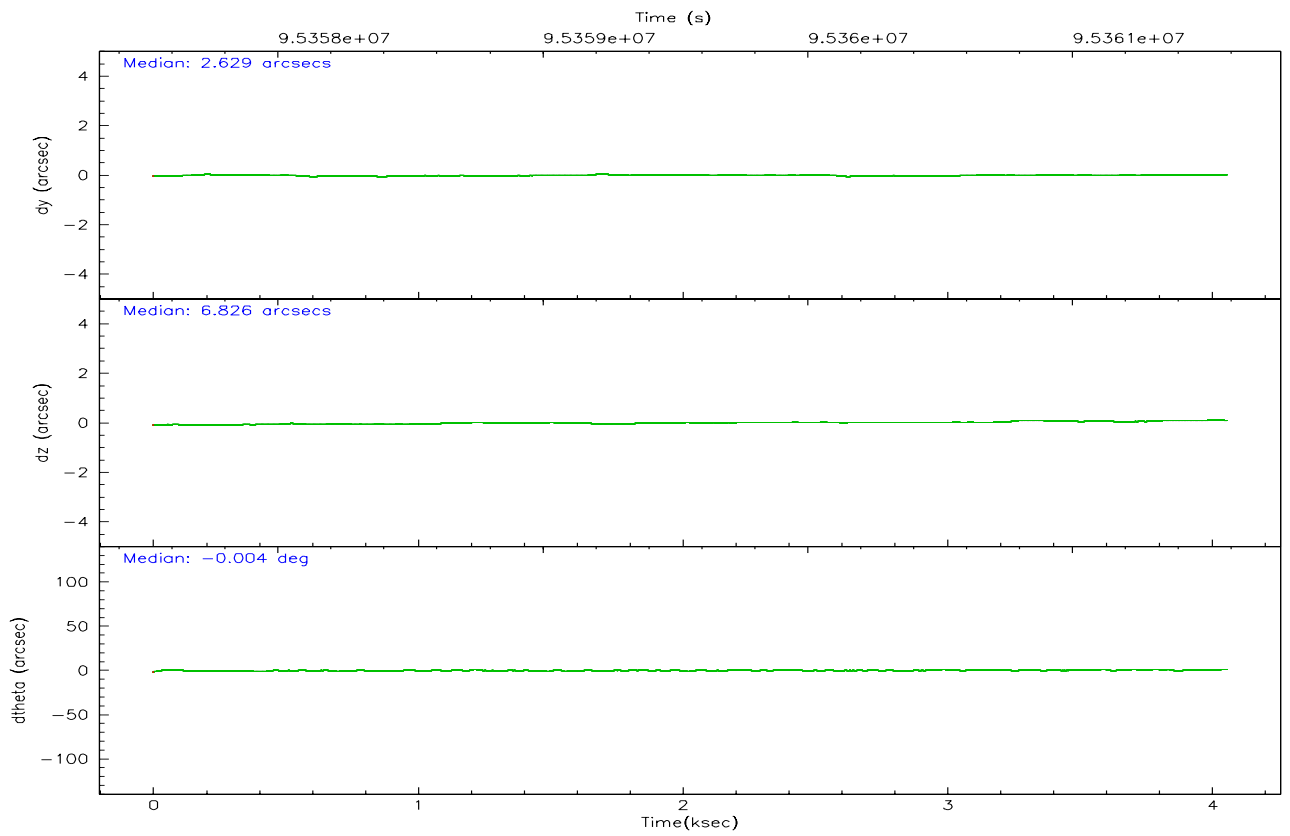
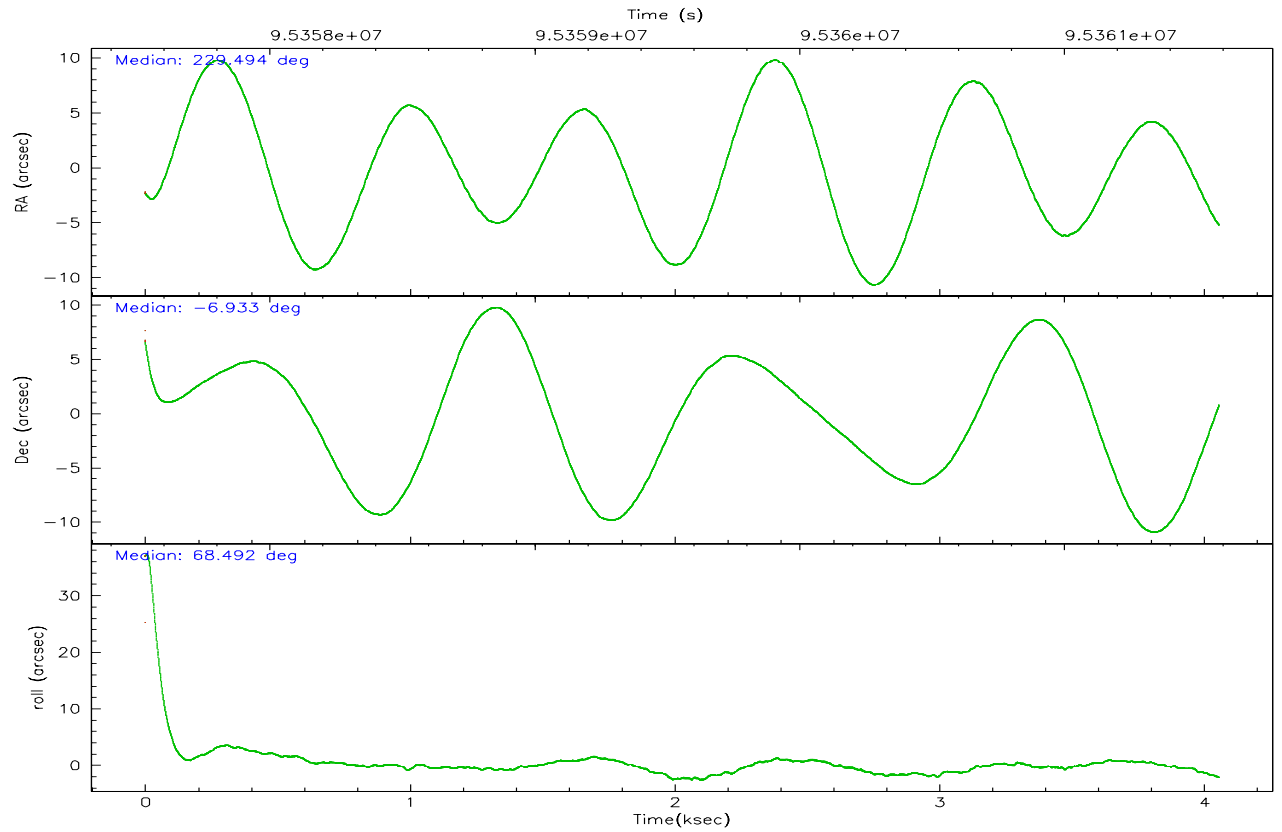
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1083	1175	3014	1288	3167	1628
	4%	6%	10%	6%	10%	6%
grade 1 events	9	6	58	13	17	17
	0%	0%	0%	0%	0%	0%
grade 2 events	493	447	3731	482	3602	1022
	2%	2%	12%	2%	11%	3%
grade 3 events	220	209	338	227	1052	468
	0%	1%	1%	1%	3%	1%
grade 4 events	228	215	306	214	991	454
	1%	1%	1%	1%	3%	1%
grade 5 events	712	765	1378	804	1803	1081
	3%	3%	4%	3%	5%	4%
grade 6 events	397	385	6999	451	5955	1281
	1%	2%	23%	2%	19%	5%
grade 7 events	19029	16030	13940	17647	13958	19633
	85%	83%	46%	83%	45%	76%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	229.497977	229.4937683868632	Subarray requested	NONE	NONE
Pointing Dec	-6.960472	-6.933496787973885	Alternating exposures requested	N	N
Pointing Roll	68.343345	68.49956644342981	Primary exposure time	0.000000	3.2
Window start time	95299264.184000	95299264.184000			
Window stop time	95904064.184000	95904064.184000			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	95358184.184000	95356980.22667199			
Observation start date	2001-01-08T16:22:00	2001-01-08T16:03:00			
Observation end time	95361584.184000	95362144.68937001			
Observation end date	2001-01-08T17:18:40	2001-01-08T17:29:04			
Read mode	TIMED	TIMED			

2.3 Aspect



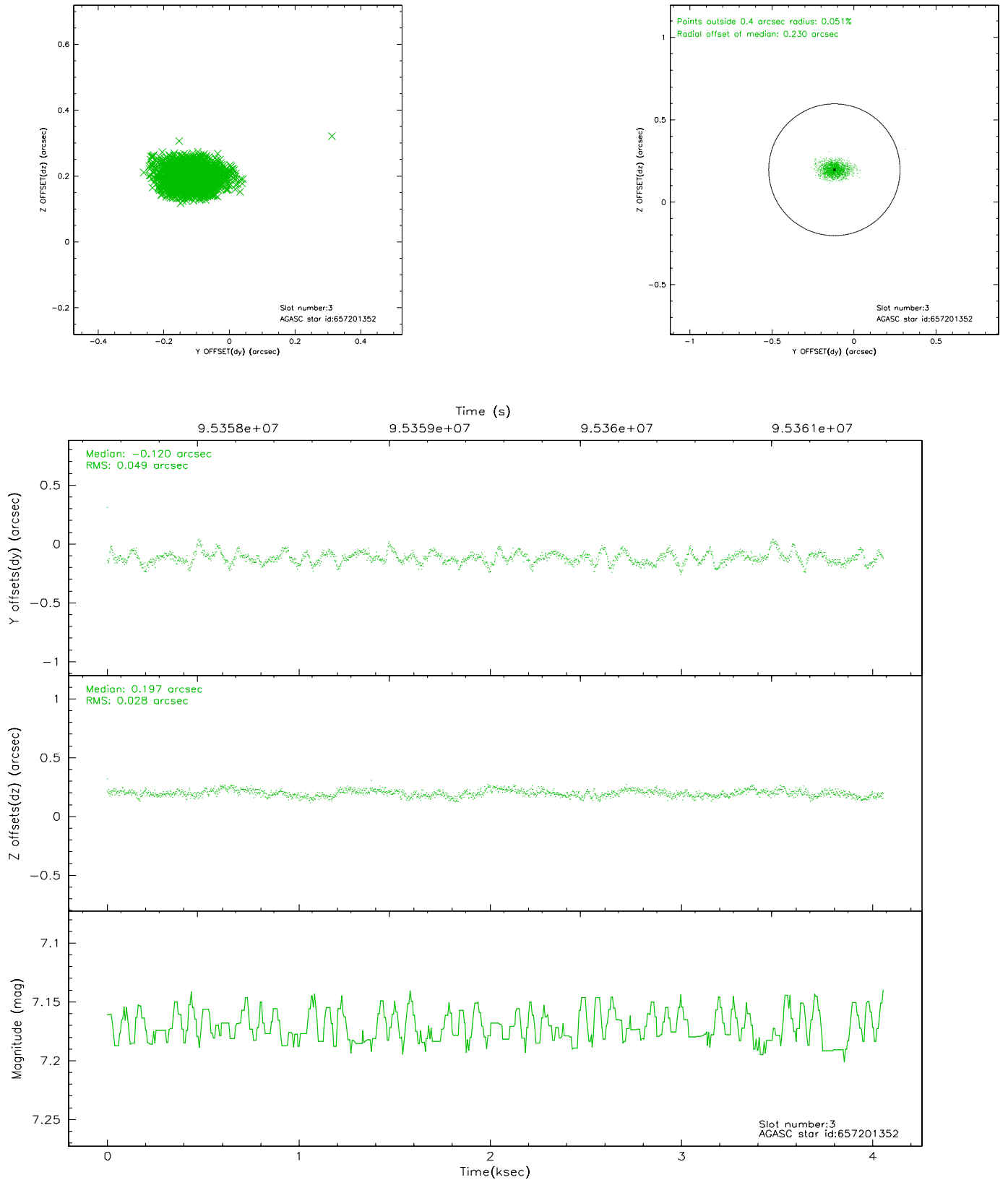


Slot Statistics

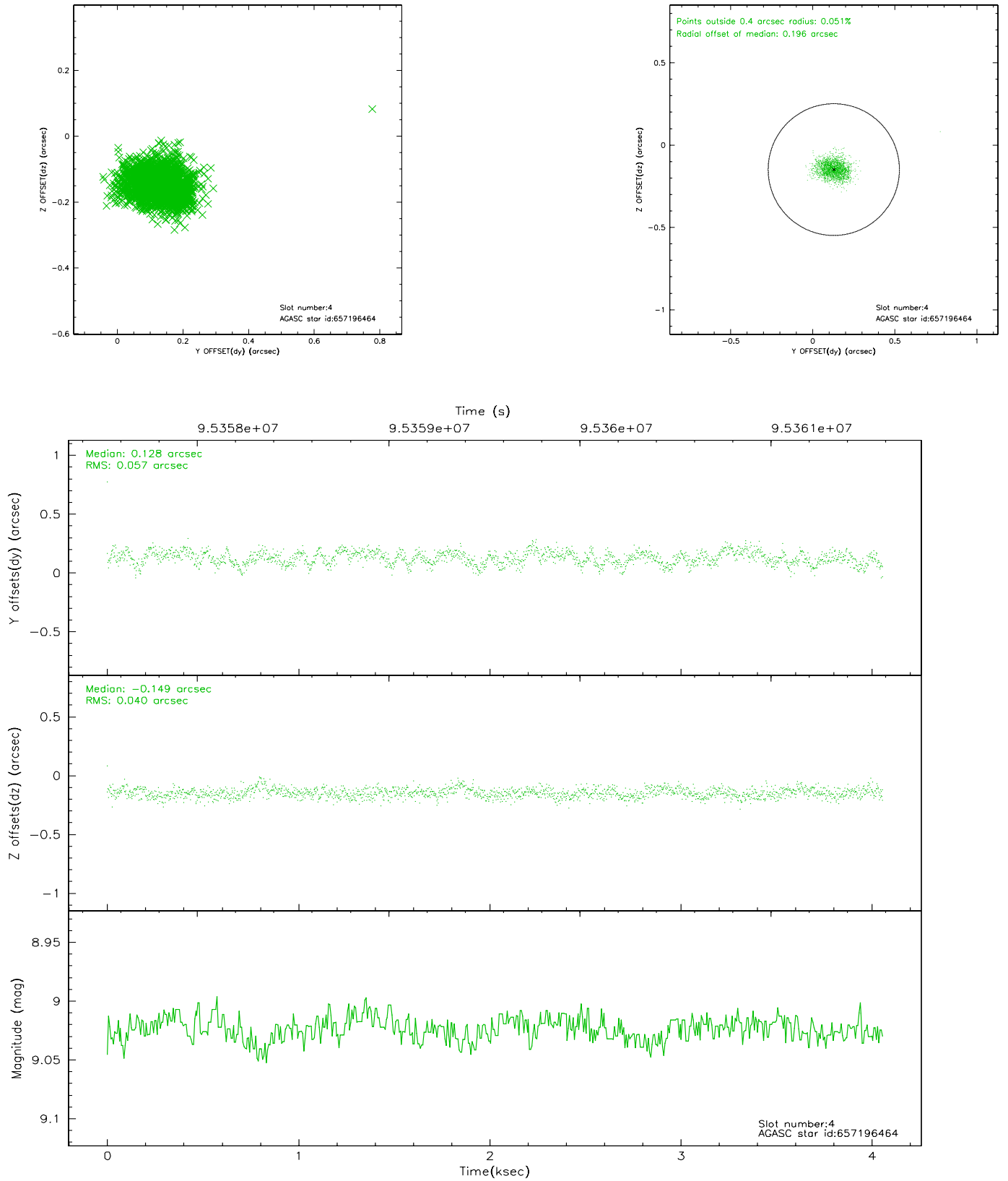
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	990	-0.011	0.022	0.008	0.012	0.000000	0.000000	-755.27	-1727.91
1	FID	ACIS-S-4	7.20	990	-0.060	-0.000	0.005	0.009	0.000000	0.000000	2157.27	178.96
2	FID	ACIS-S-5	7.24	990	0.041	-0.013	0.007	0.010	0.000000	0.000000	-1806.07	174.37
3	GUIDE	657201352	7.17	1980	-0.120	0.197	0.057	0.101	230.289132	-6.612636	2206.62	-2168.19
4	GUIDE	657196464	9.02	1980	0.128	-0.149	0.072	0.117	229.130486	-7.236027	-1405.08	851.81
5	GUIDE	657200120	8.83	1979	-0.010	-0.204	0.074	0.119	229.017087	-6.736326	114.31	1895.30
6	GUIDE	657201992	8.81	1979	-0.286	0.111	0.063	0.103	230.117477	-6.683147	1744.63	-1689.84
7	GUIDE	731516496	8.57	1977	0.285	0.045	0.065	0.101	229.386161	-7.509494	-1982.57	-359.84

2.4 Star Slots

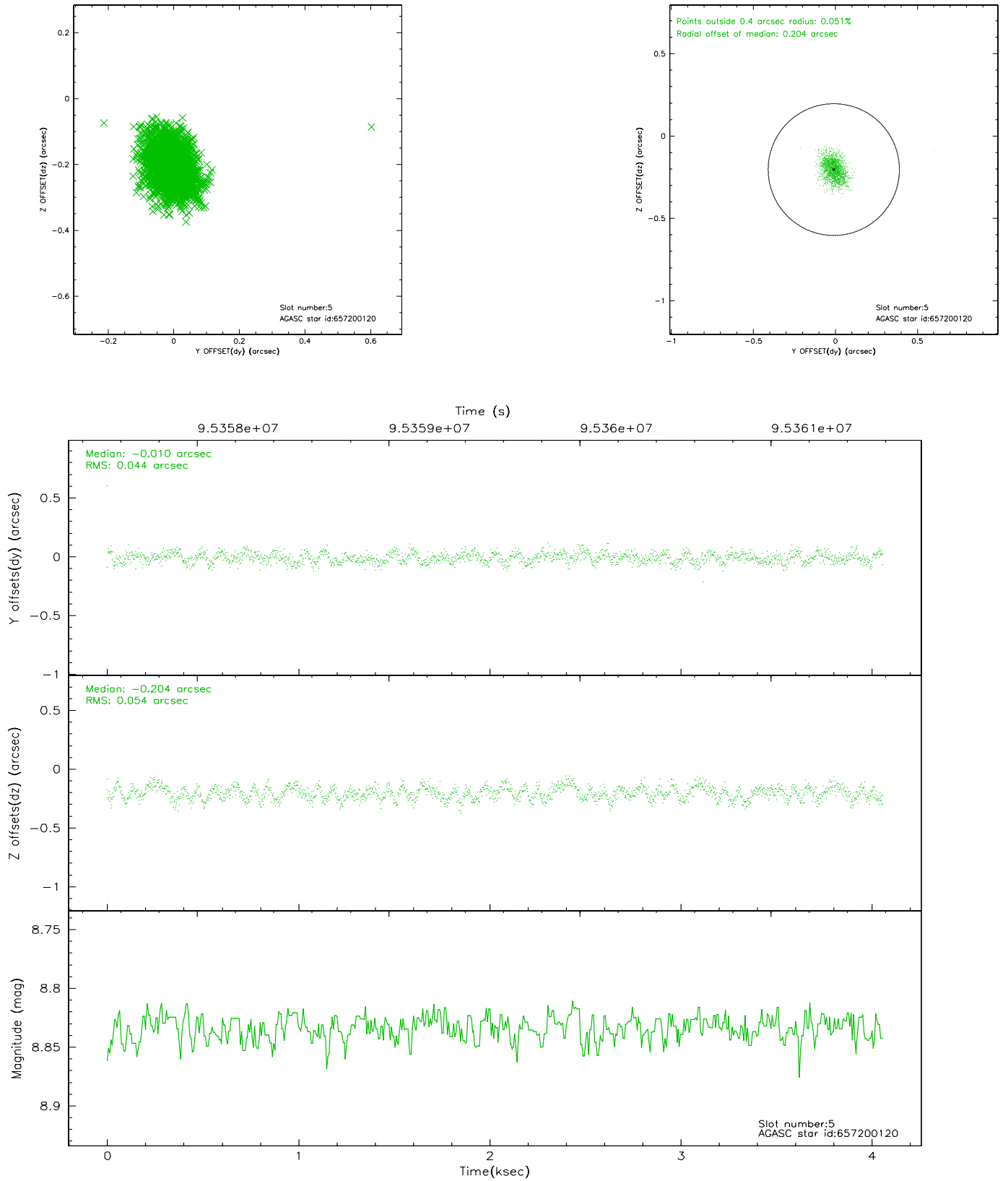
2.4.1 Slot 3



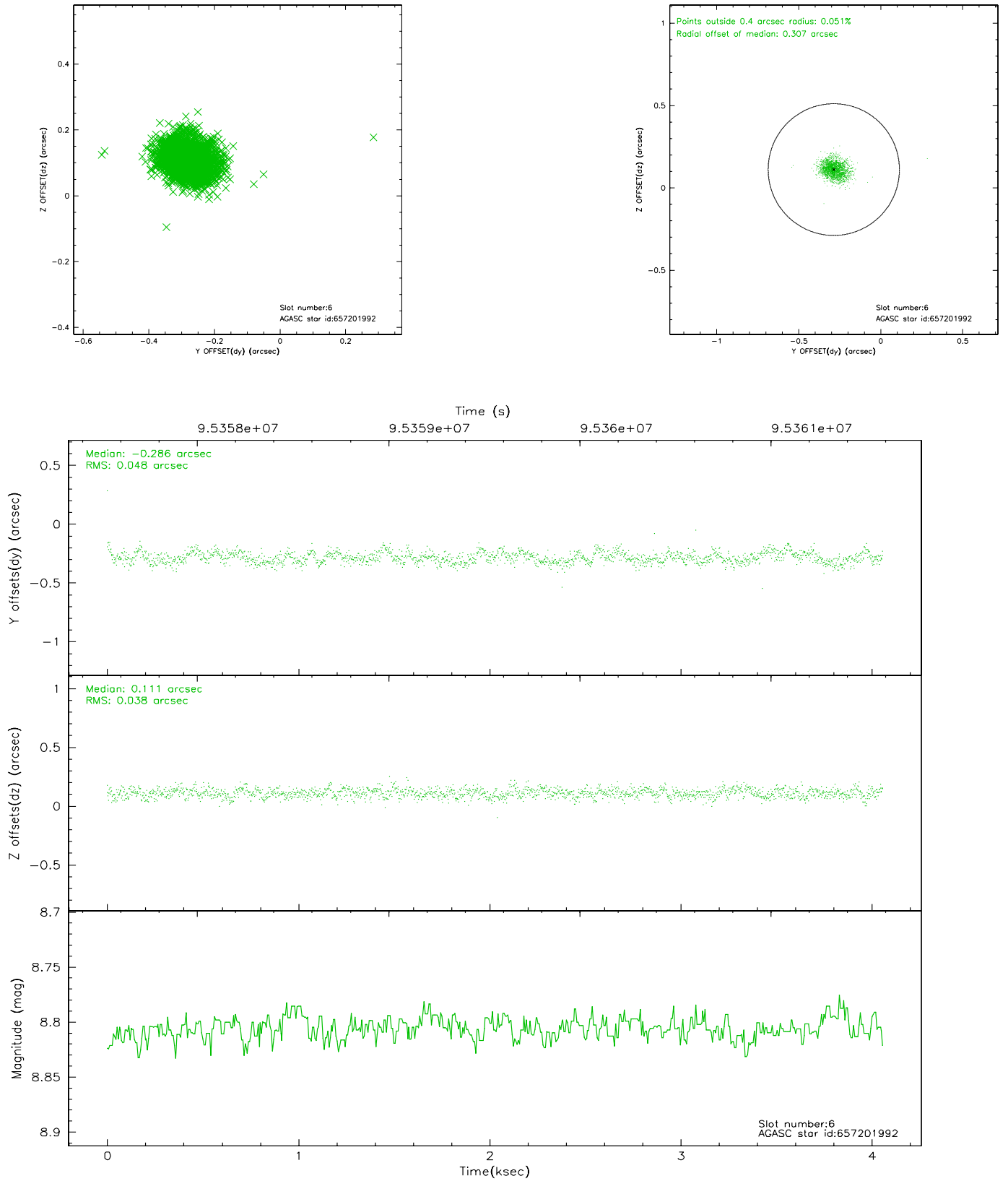
2.4.2 Slot 4



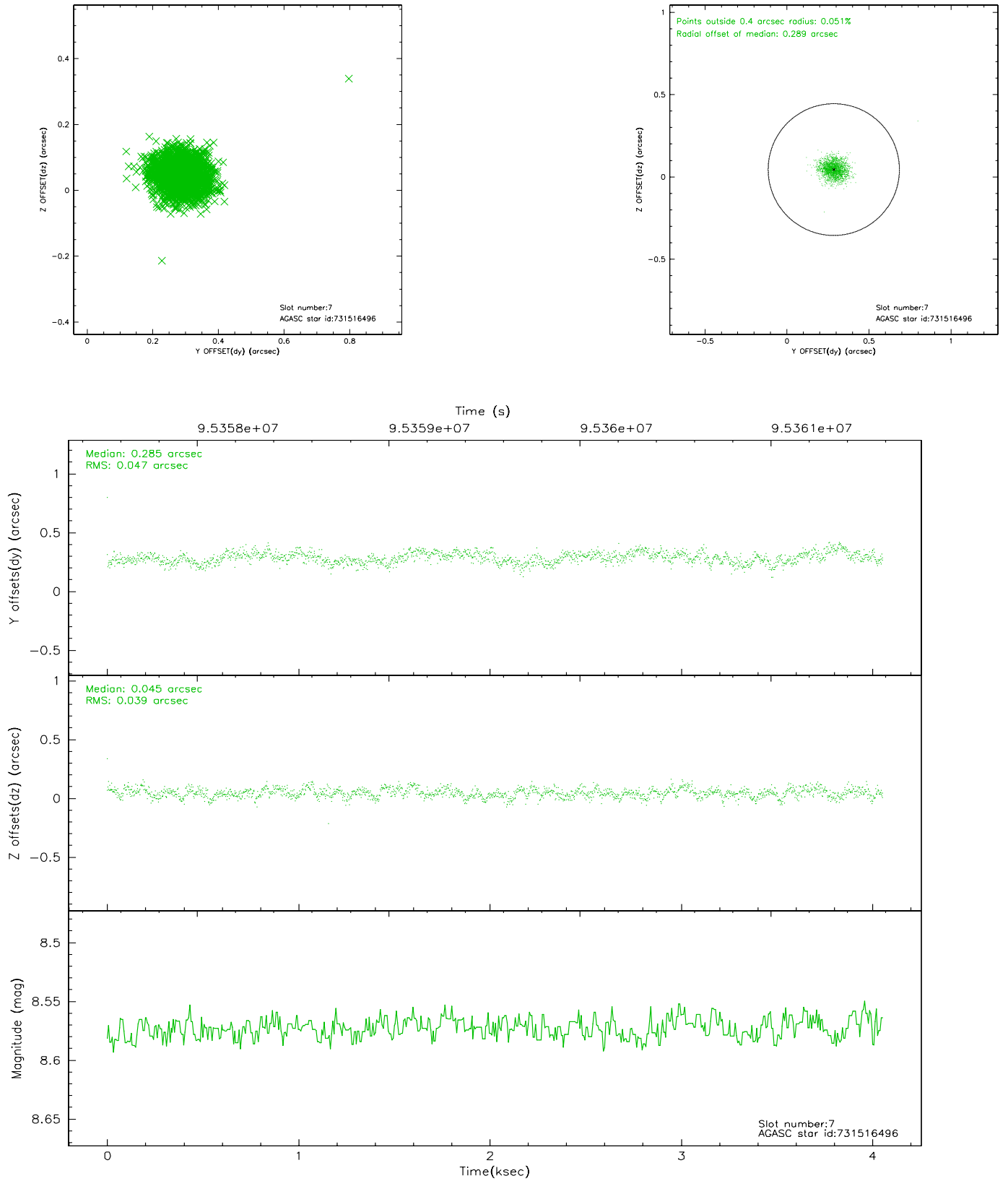
2.4.3 Slot 5



2.4.4 Slot 6

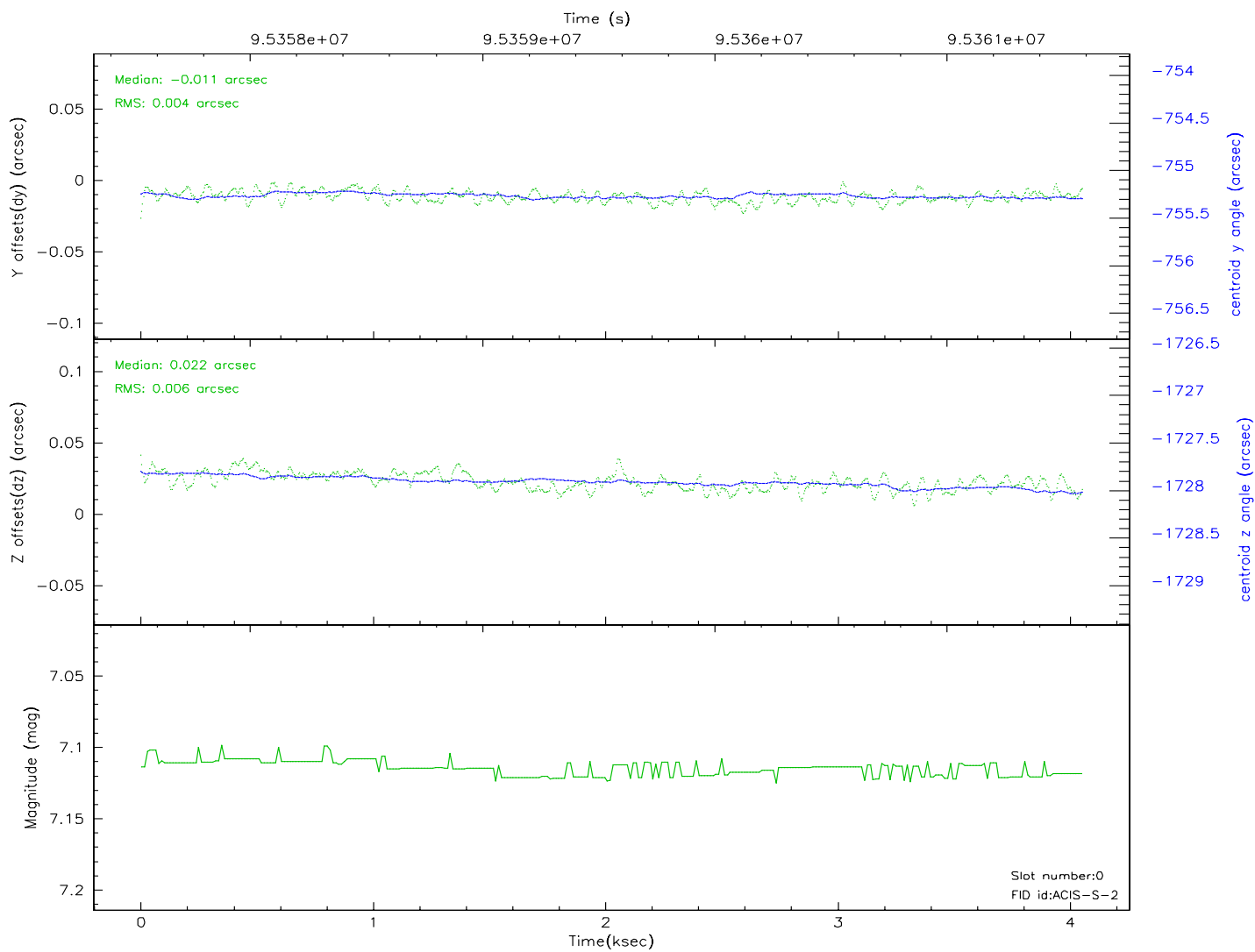
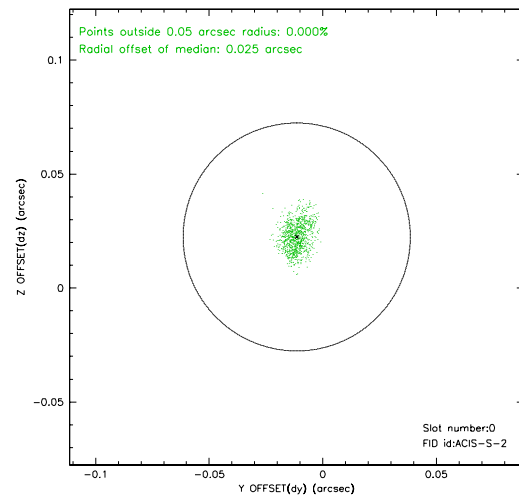
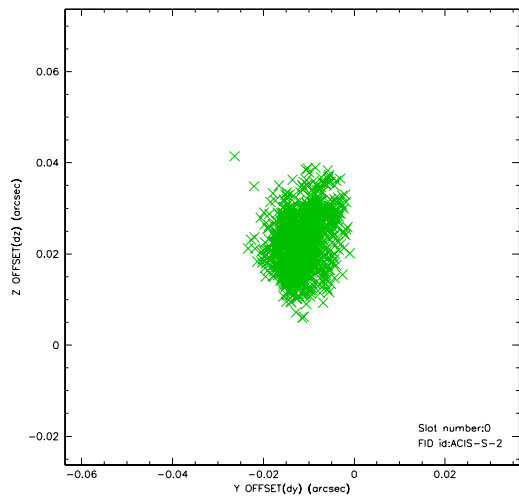


2.4.5 Slot 7

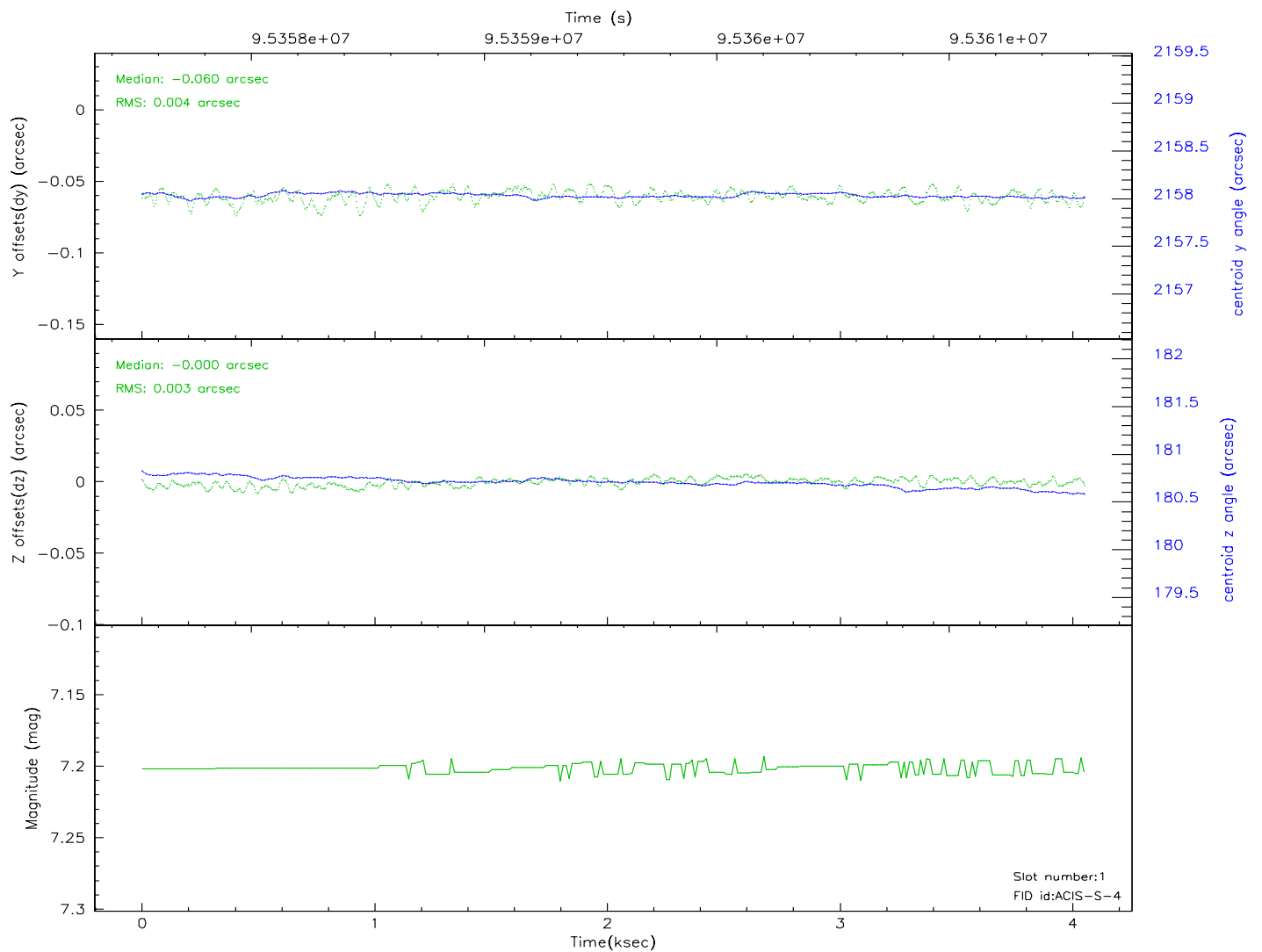
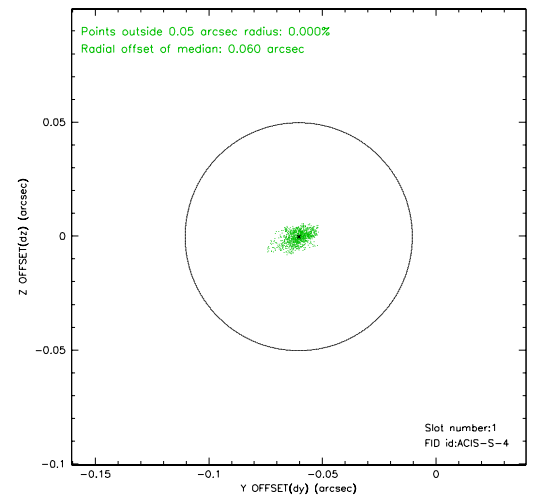
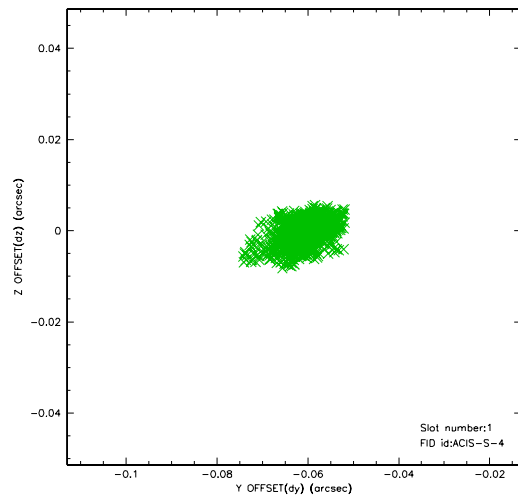


2.5 FID Slots

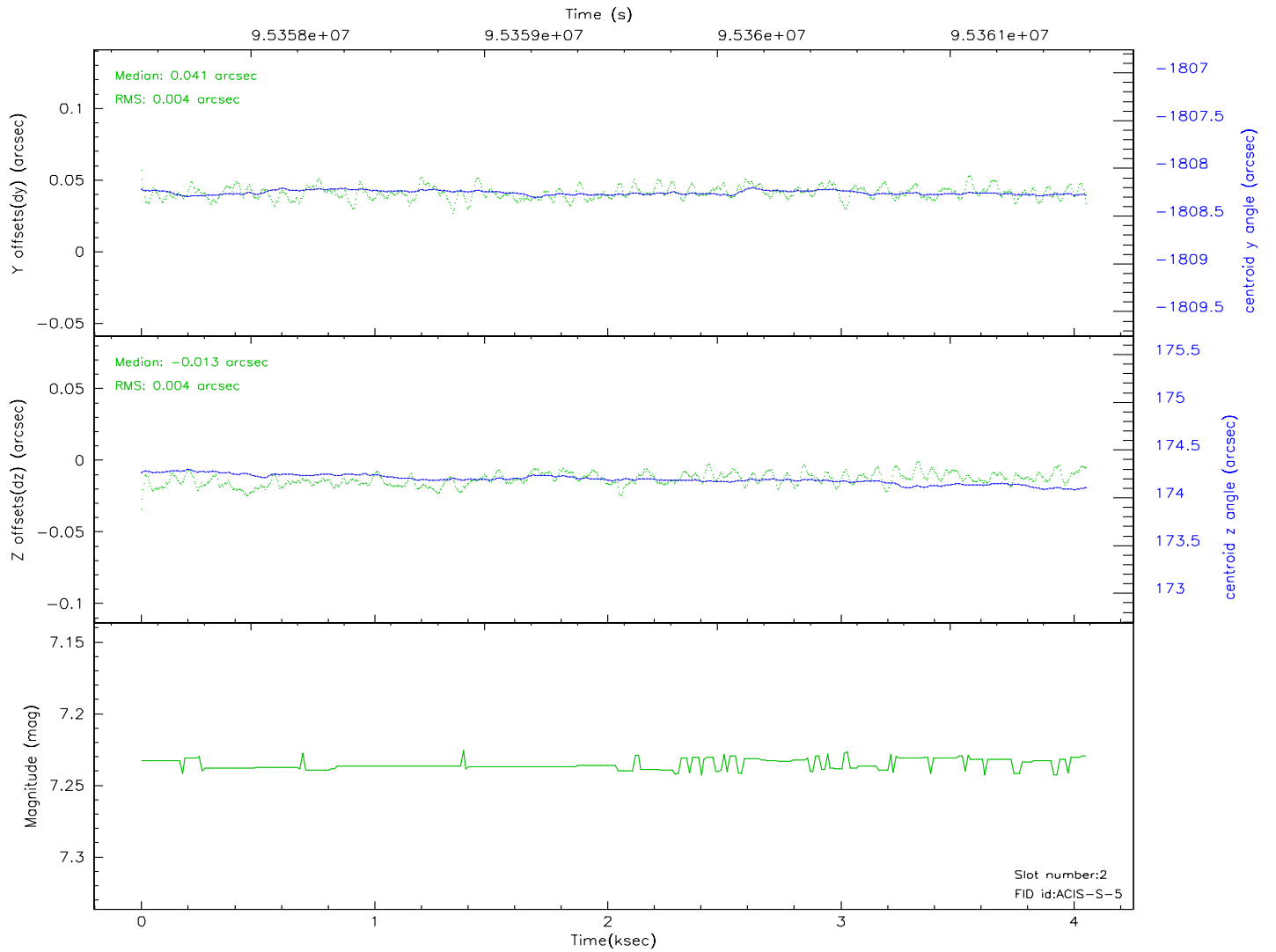
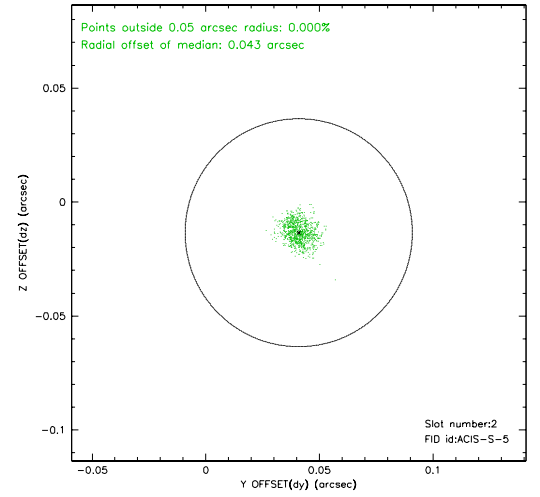
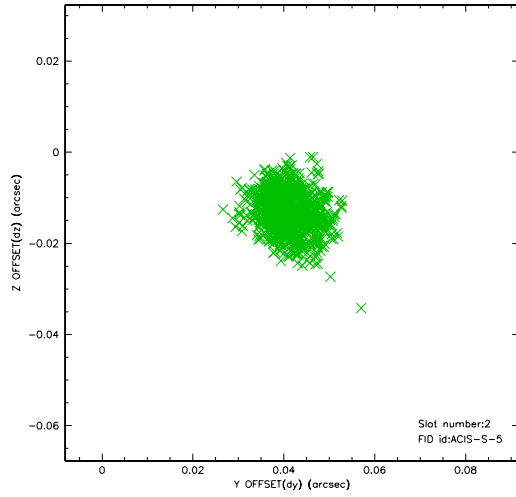
2.5.1 Slot 0



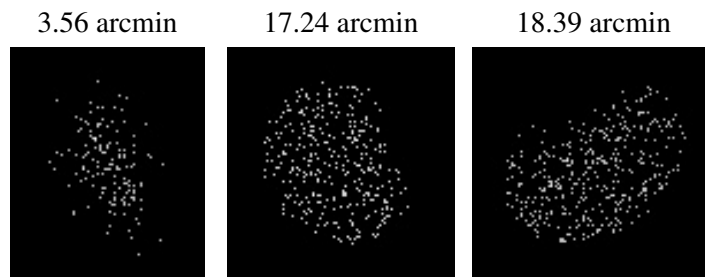
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.356

A.2 Comments

Window constraint met.