

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2241 - L2 Version 001
Chandra X-Ray Center

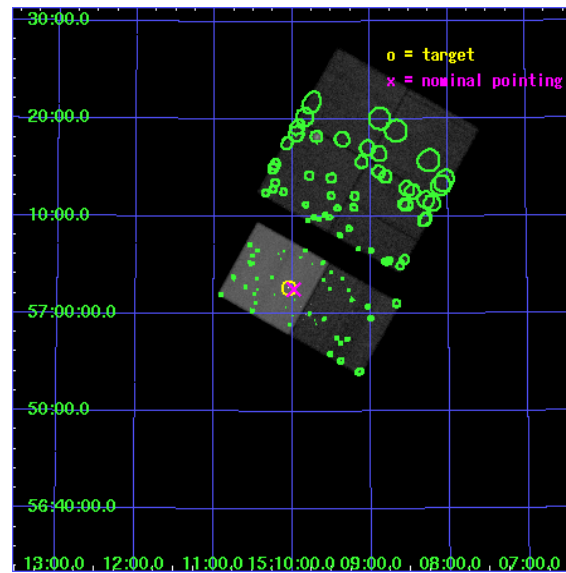
L2 Processing Date : Nov 28 2006

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1 Front

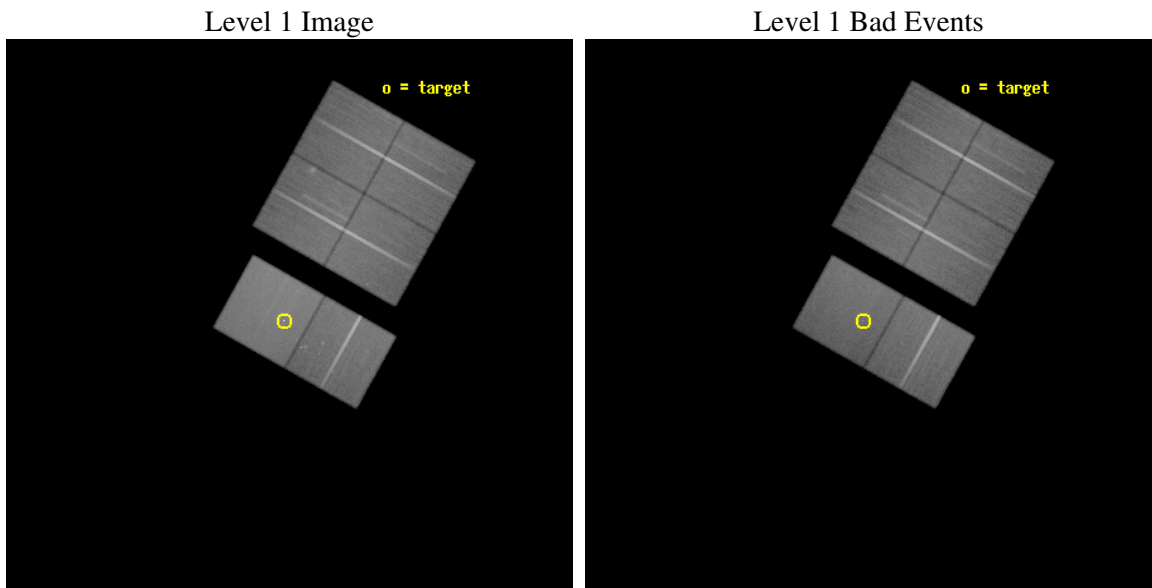
seq_num	900068
obs_id	2241
title	DIRECT DETECTION OF COSMOLOGICAL DUST
observer	Prof. FREDERIK PAERELS
object	QSO 1508+5714
dtcycle	0
cycle	P
ra_targ	227.512083
dec_targ	57.045389
ra_nom	227.49510248611
dec_nom	57.042213793891
roll_nom	209.26552012241
revision	2
ontime	90124.800083935
livetime	88983.585598633
ontime0	90115.077292979
ontime1	90124.800083935
ontime2	90121.559103757
ontime3	90121.55912368
ontime6	90124.800083935
ontime7	90124.800083935
l2events	561986



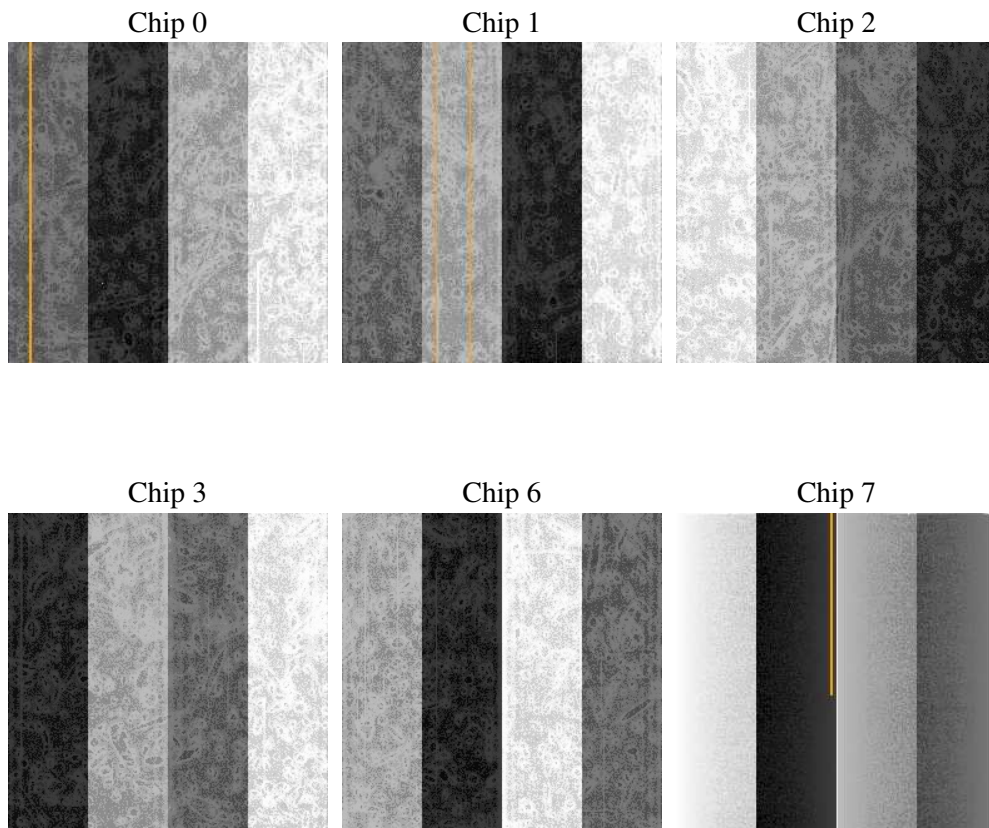
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-11-28T09:27:29
revision	2

sched_exp_time	90000.000000
ontime	90255.317418188
ontime0	90245.594627231
ontime1	90255.317418188
ontime2	90252.07643801
ontime3	90252.076457933
ontime6	90255.317418188
ontime7	90255.317418188
l1events	3593935

2.1.4 Events

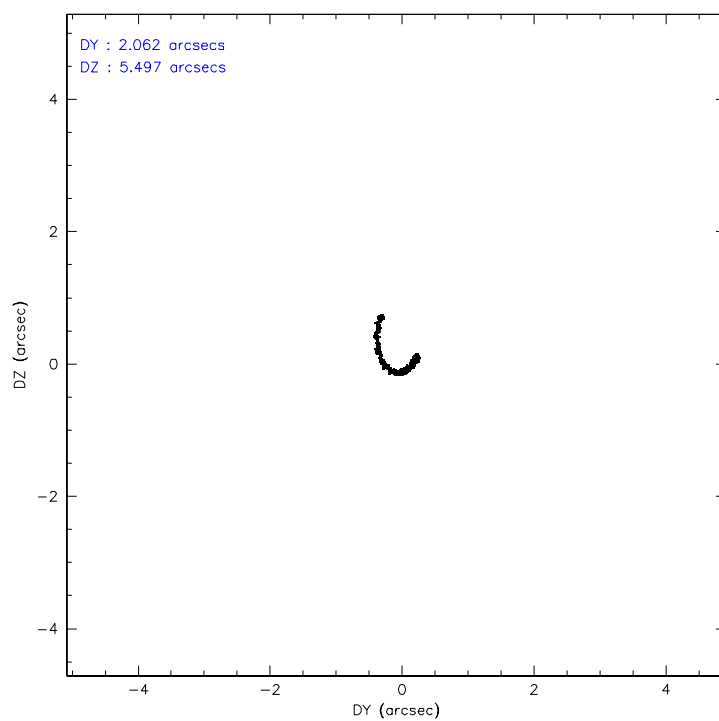
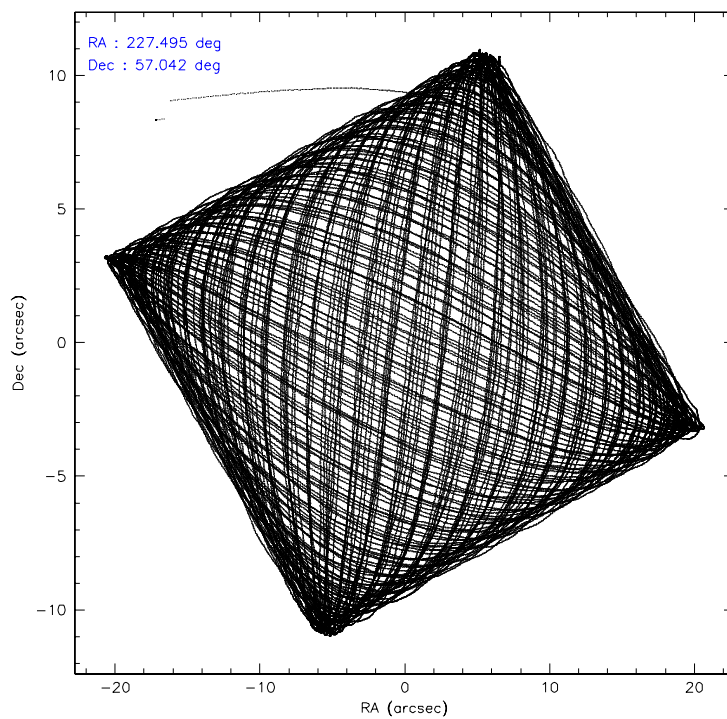
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	554444	535989	580274	578611	601616	743001
rejected events	487937	468092	517391	512454	533570	457910
rejected %	88%	87%	89%	88%	88%	61%

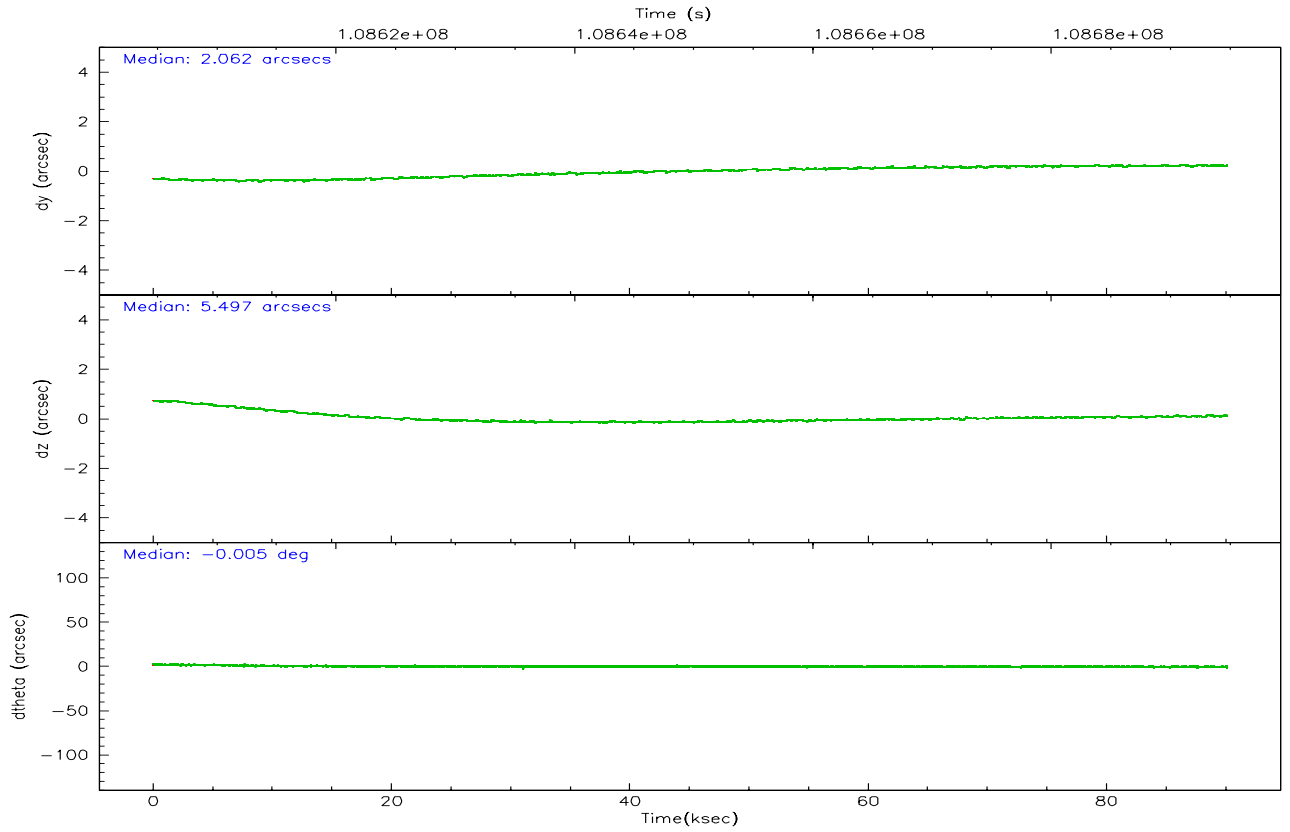
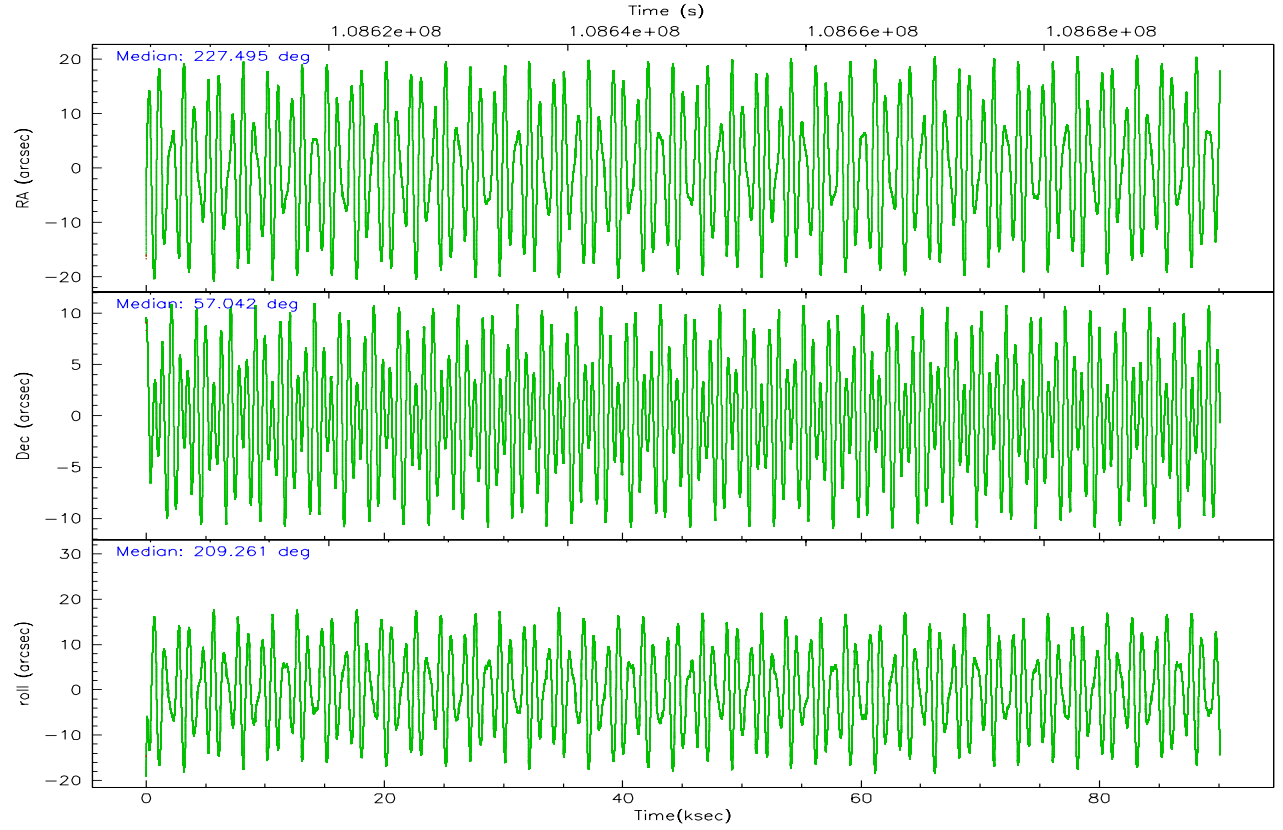
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	27631	26979	26653	29106	28123	18897
	4%	5%	4%	5%	4%	2%
grade 1 events	289	243	230	272	283	496
	0%	0%	0%	0%	0%	0%
grade 2 events	14589	13656	13511	12850	13507	69395
	2%	2%	2%	2%	2%	9%
grade 3 events	6619	7196	5994	6363	6734	15286
	1%	1%	1%	1%	1%	2%
grade 4 events	6135	7056	5957	6392	6553	14637
	1%	1%	1%	1%	1%	1%
grade 5 events	21561	22116	19601	22574	24864	49043
	3%	4%	3%	3%	4%	6%
grade 6 events	11635	13103	10853	11539	13212	167311
	2%	2%	1%	1%	2%	22%
grade 7 events	465985	445640	497475	489515	508340	407936
	84%	83%	85%	84%	84%	54%

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	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	227.520312	227.4951024861124	Subarray requested	NONE	NONE
Pointing Dec	57.065803	57.04221379389126	Alternating exposures requested	N	N
Pointing Roll	209.087738	209.2655201224094	Primary exposure time	0.000000	3.2
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	108604770.184000	108603661.00172			
Observation start date	2001-06-10T23:58:26	2001-06-10T23:41:01			
Observation end time	108694770.184000	108695499.4678			
Observation end date	2001-06-12T00:58:26	2001-06-12T01:11:39			
Read mode	TIMED	TIMED			

2.3 Aspect



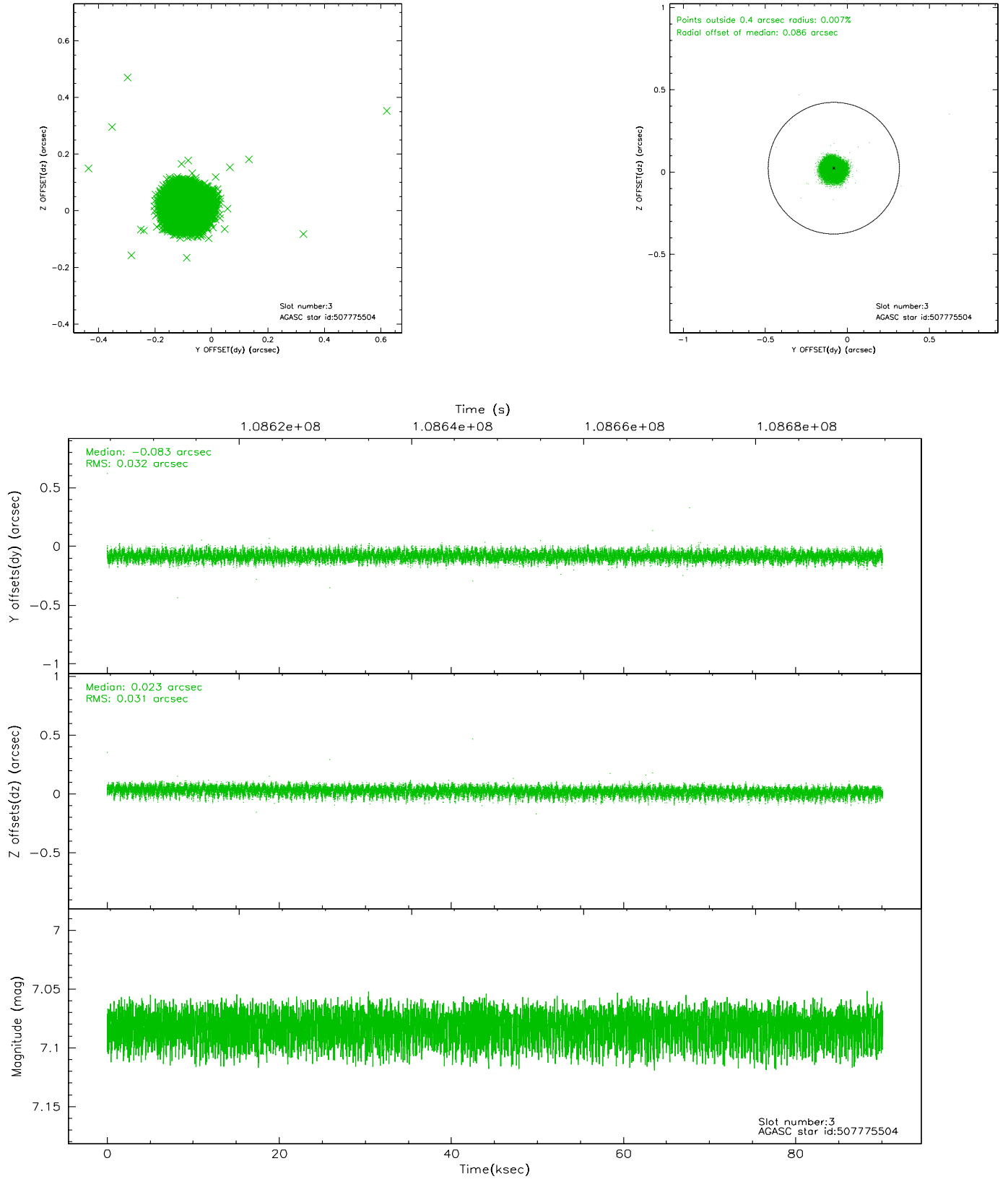


Slot Statistics

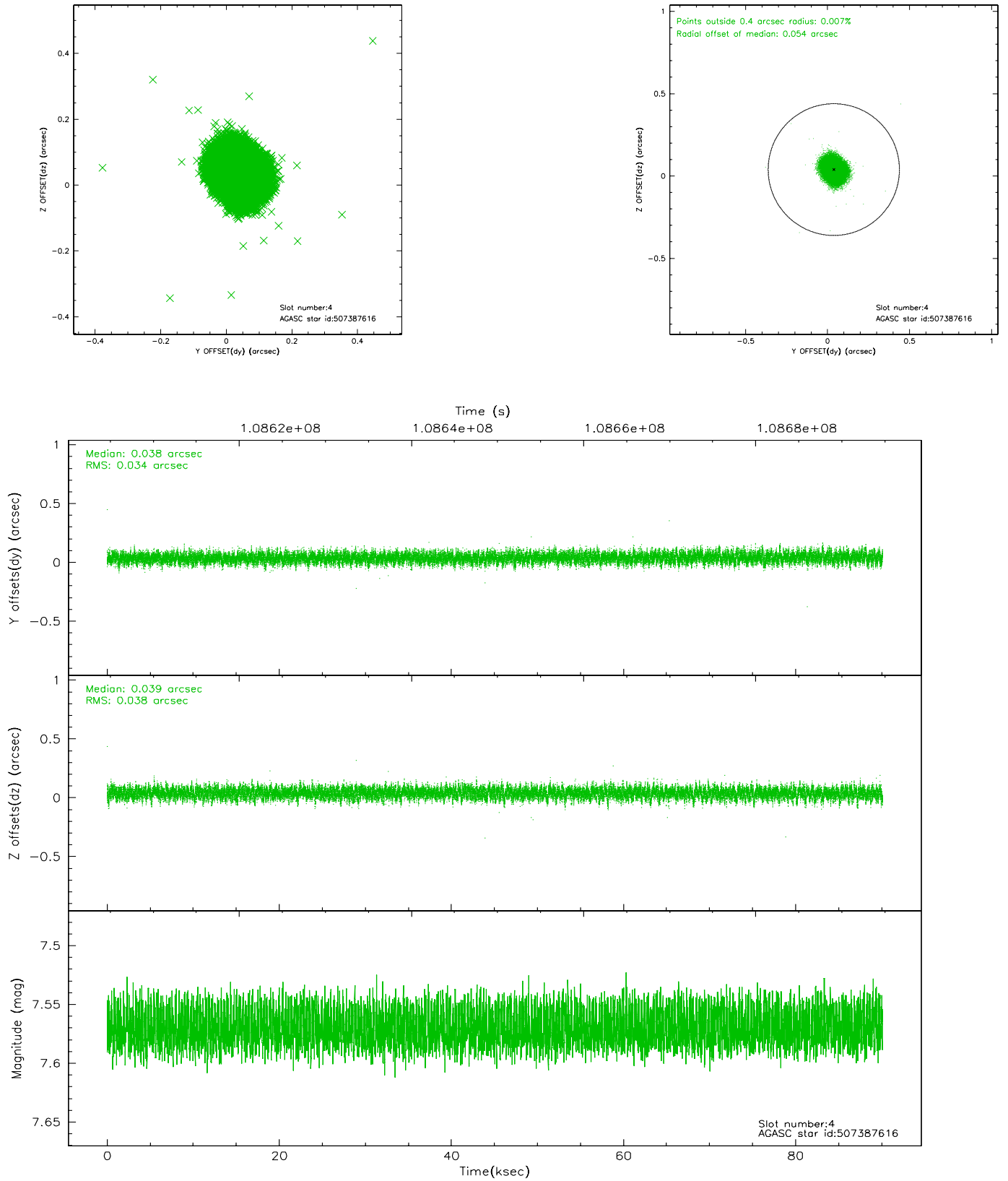
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	21982	-0.028	0.024	0.008	0.013	0.000000	0.000000	-754.62	-1726.67
1	FID	ACIS-S-4	7.20	21979	-0.074	0.007	0.008	0.016	0.000000	0.000000	2158.60	181.95
2	FID	ACIS-S-5	7.24	21979	0.070	-0.023	0.009	0.015	0.000000	0.000000	-1807.52	175.40
3	GUIDE	507775504	7.08	43960	-0.083	0.023	0.048	0.077	227.063044	57.657016	-266.64	-2290.29
4	GUIDE	507387616	7.57	43963	0.038	0.039	0.054	0.086	227.343190	57.112136	221.16	-314.02
5	GUIDE	507386192	8.28	43952	-0.049	-0.108	0.054	0.090	228.408253	57.191638	-1739.55	436.30
6	GUIDE	507386800	9.45	43938	-0.005	0.024	0.090	0.145	228.092642	57.032196	-923.52	646.95
7	GUIDE	507387168	9.60	43938	0.099	0.025	0.096	0.156	226.927533	56.702730	1656.56	568.79

2.4 Star Slots

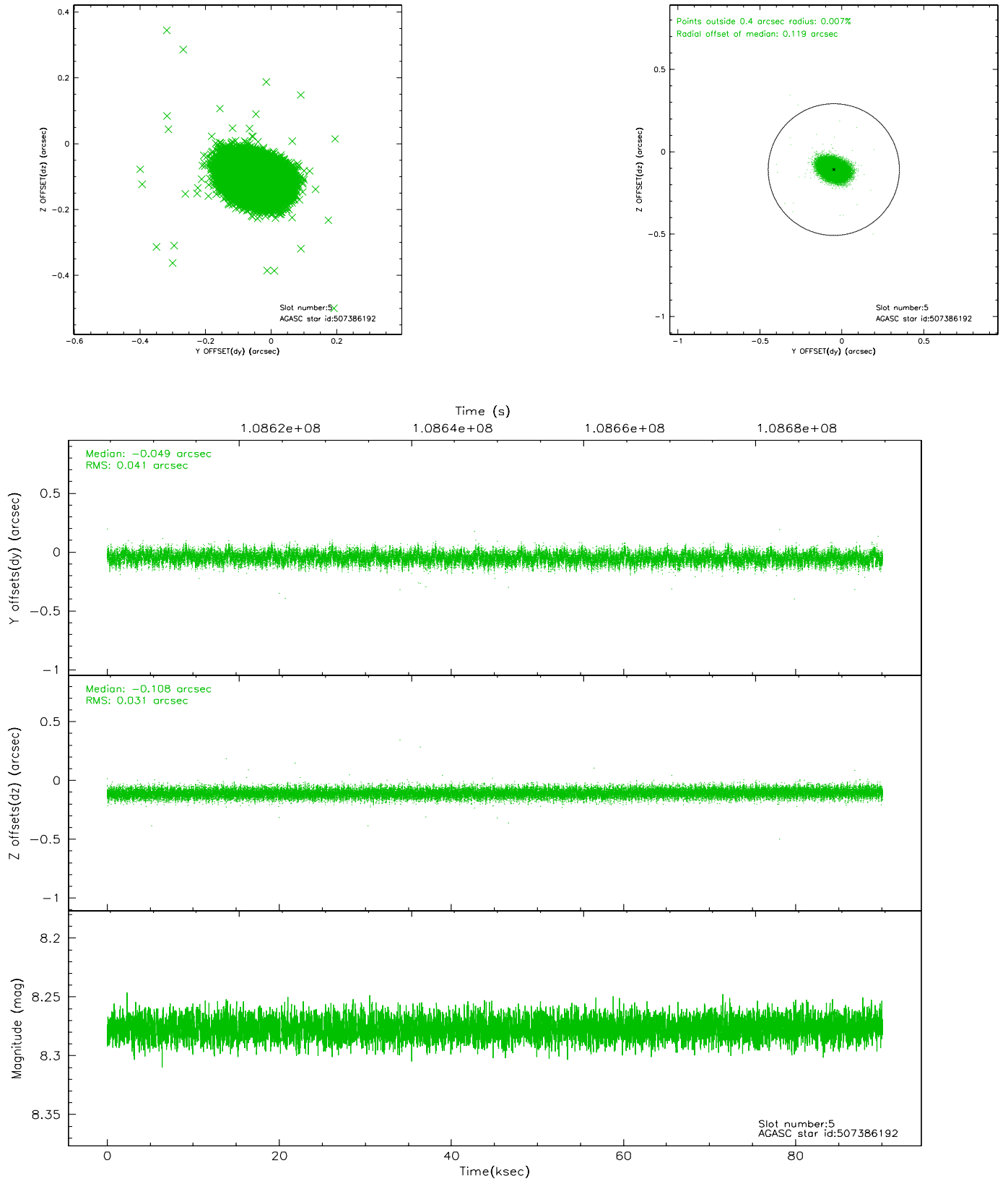
2.4.1 Slot 3



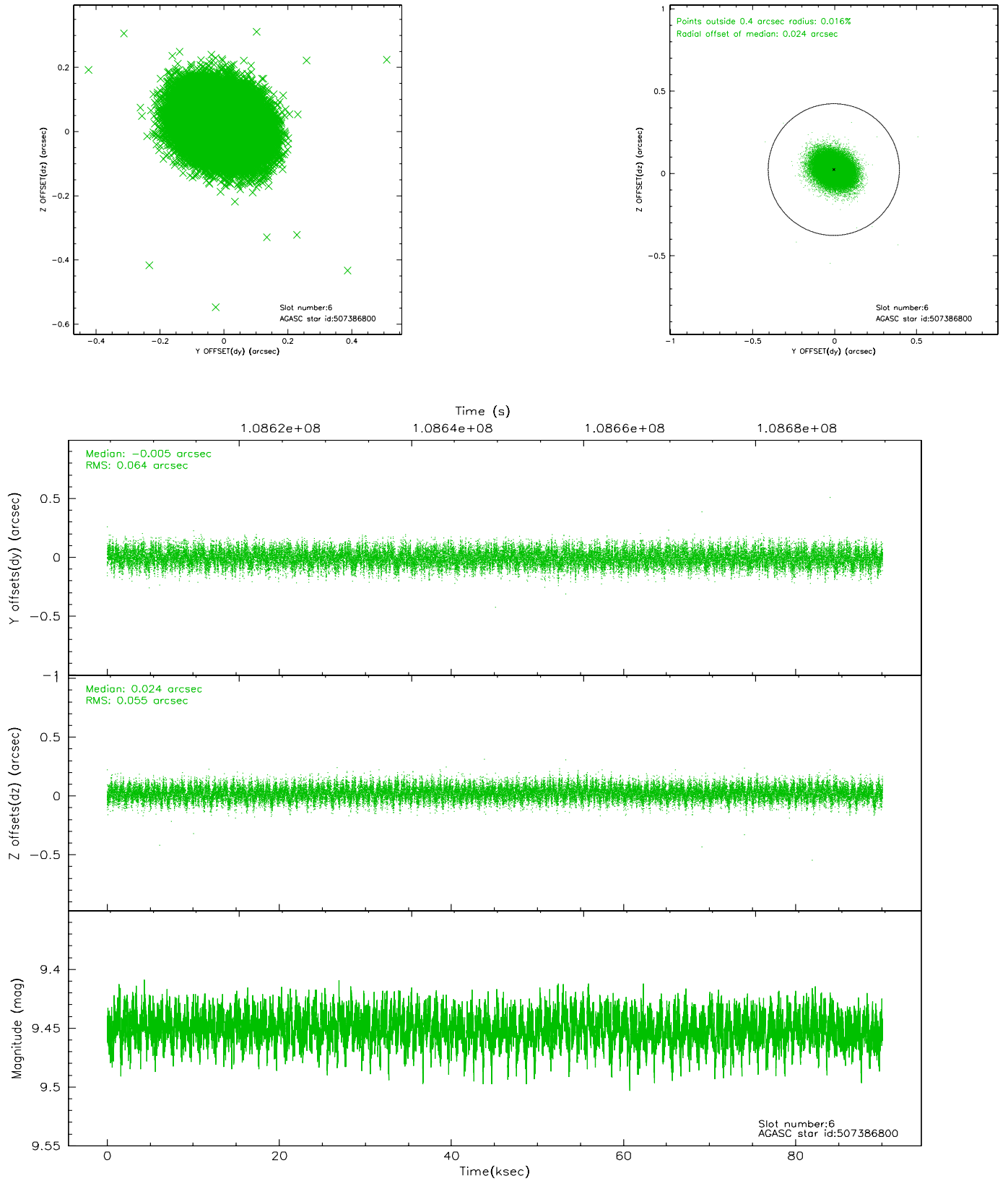
2.4.2 Slot 4



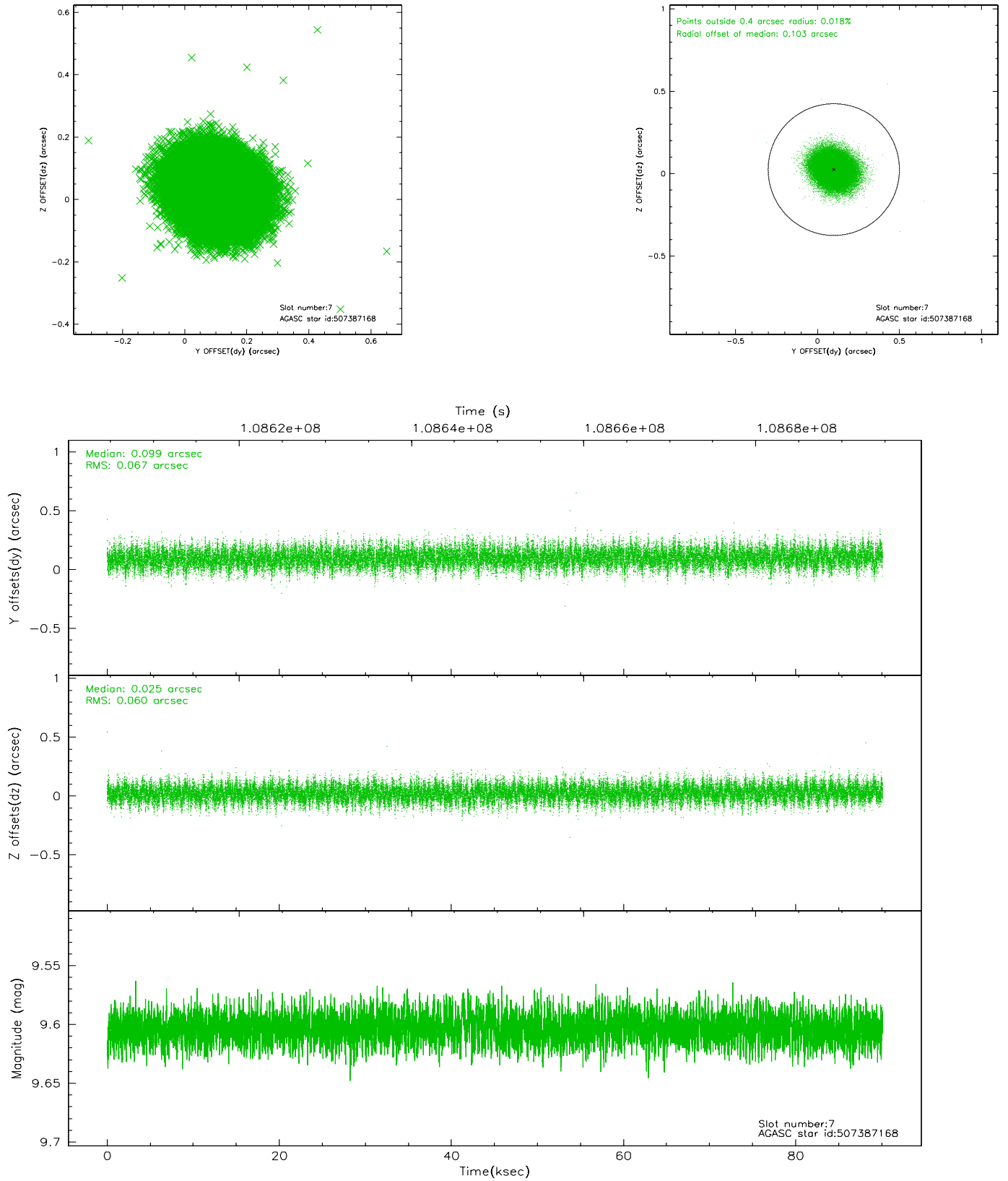
2.4.3 Slot 5



2.4.4 Slot 6

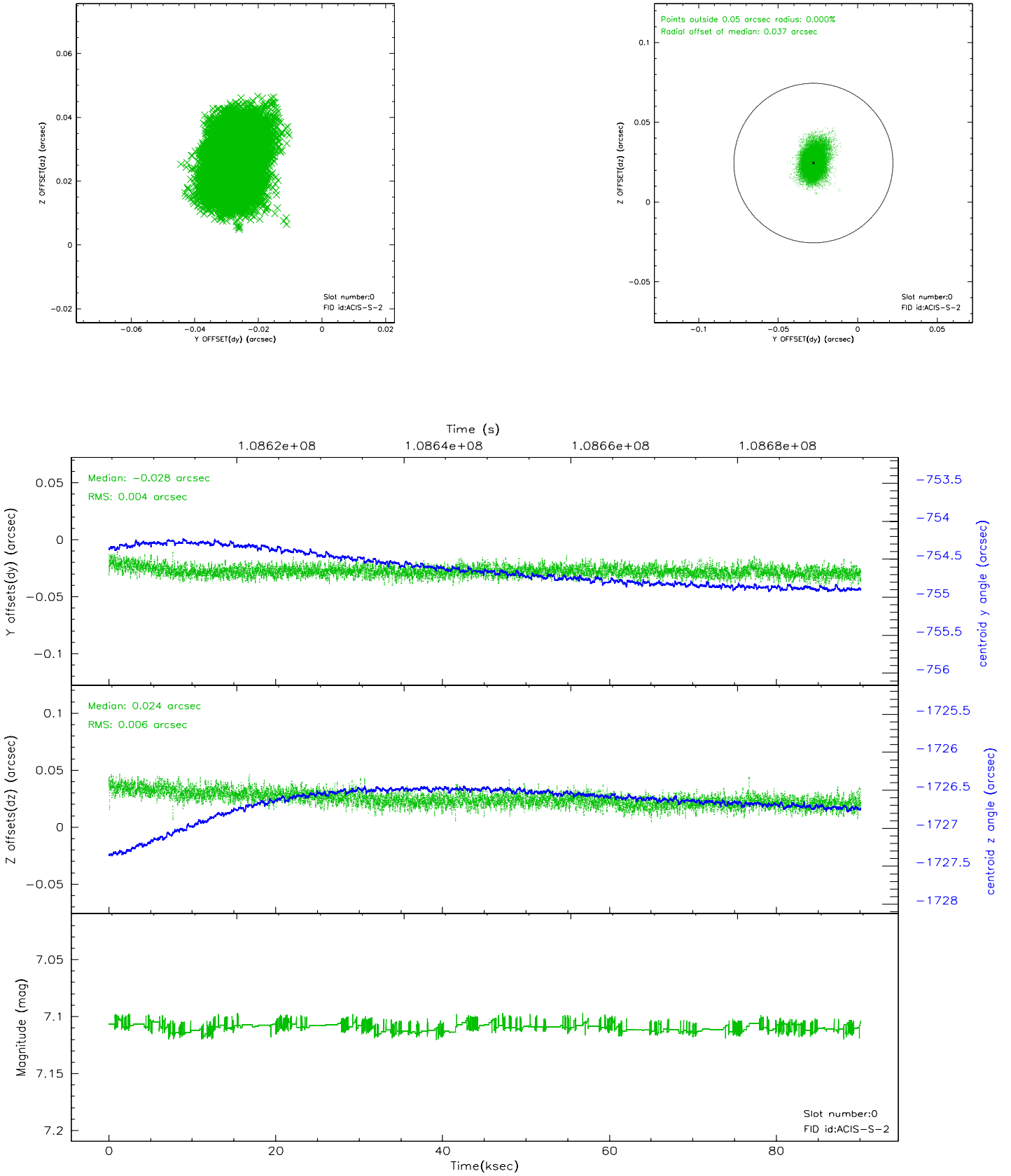


2.4.5 Slot 7

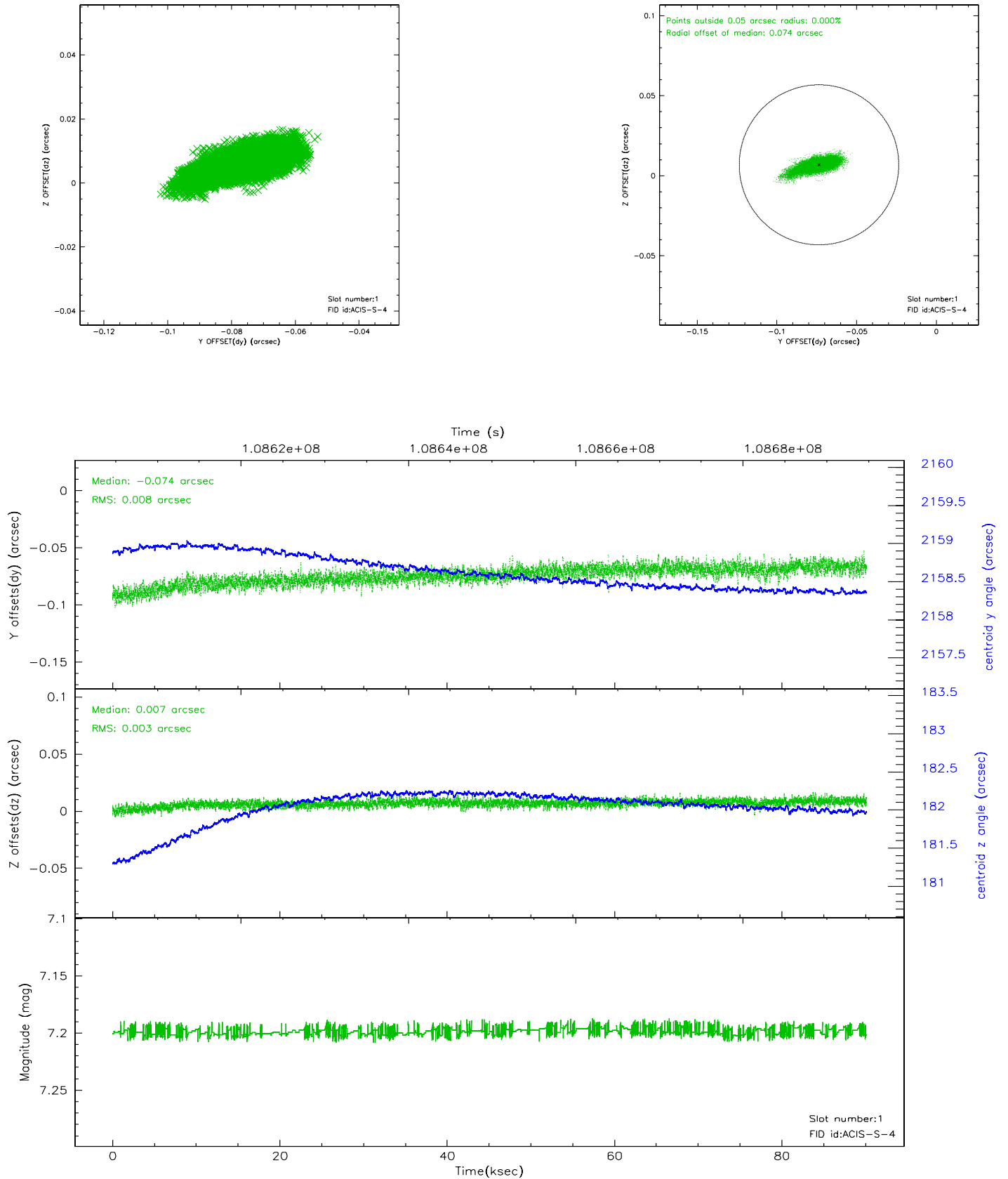


2.5 FID Slots

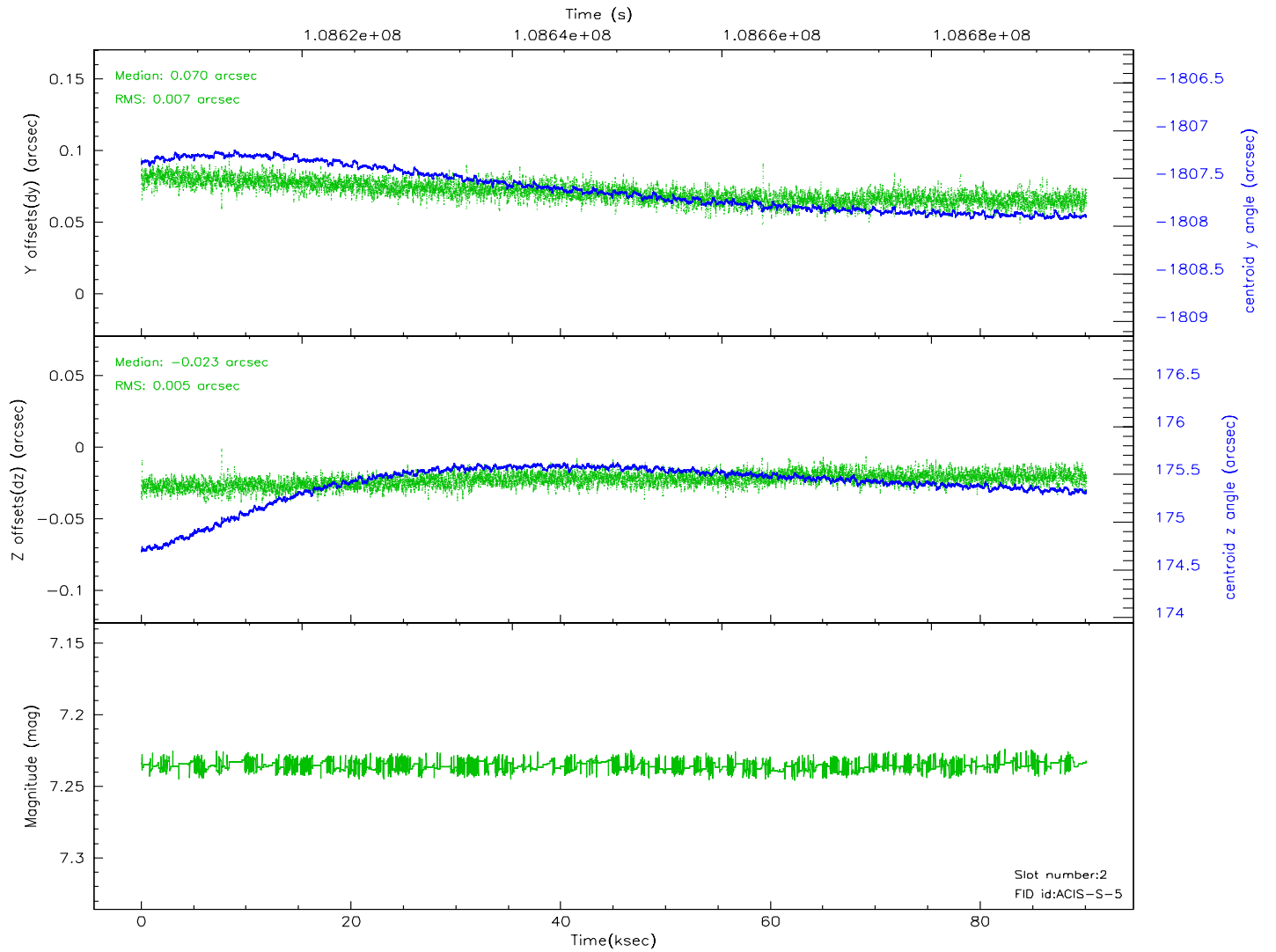
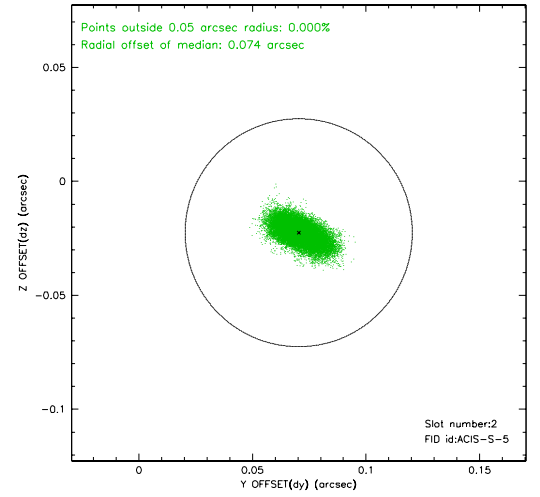
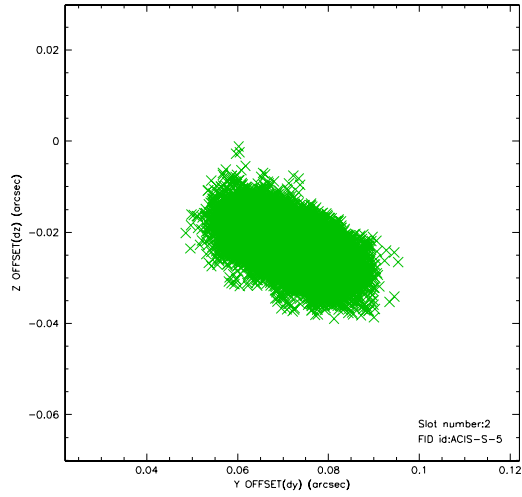
2.5.1 Slot 0



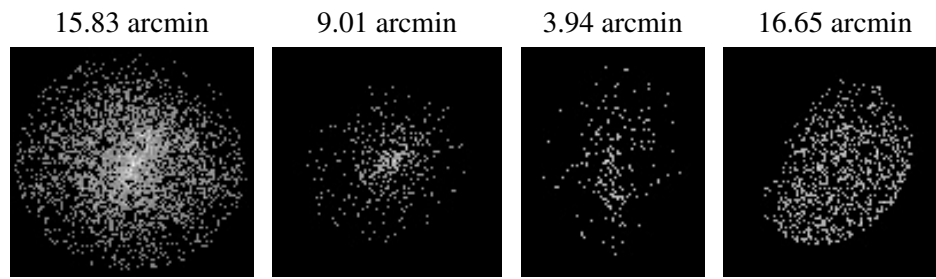
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	90.1

A.2 Comments