

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3941 - L2 Version 001
Chandra X-Ray Center

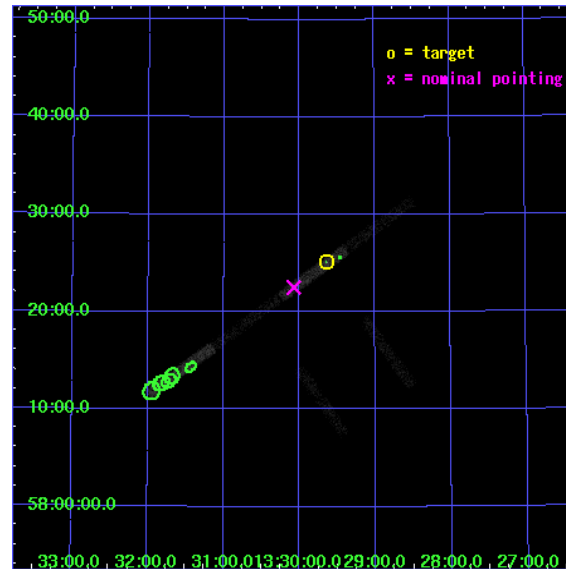
L2 Processing Date : Jul 5 2006

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1 Front

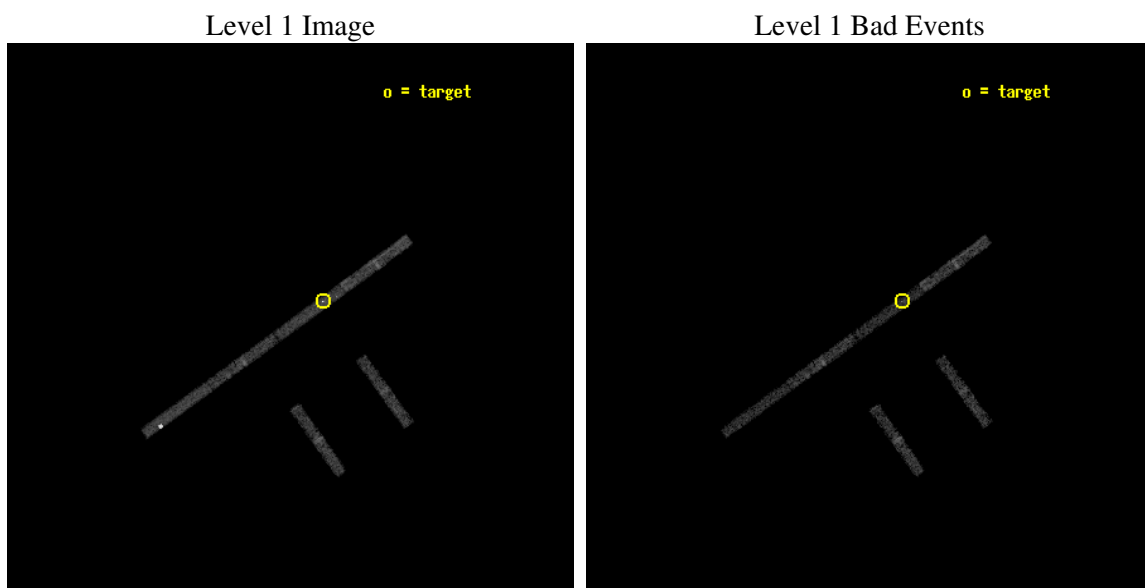
seq_num	600315
obs_id	3941
title	PROBING THE SPECTRAL VARIABILITY OF THE ULTRALUMINOUS X-RAY SOURCE NGC 5204 X-1
observer	Dr Timothy Roberts
object	NGC 5204 X-1
dtcycle	0
cycle	P
ra_targ	202.410833
dec_targ	58.418333
ra_nom	202.51821191562
dec_nom	58.375398424235
roll_nom	324.14760105669
revision	2
ontime	5163.1999120712
livetime	4877.2535064907
ontime2	5163.1999120712
ontime3	5163.1999120712
ontime5	5163.1999120712
ontime6	5163.1999120712
ontime7	5163.1999120712
ontime8	5163.1999120712
l2events	9529



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 2

Chip 3

Chip 5



Chip 6

Chip 7

Chip 8



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-05T07:23:19
revision	2

sched_exp_time	5000.000000
ontime	5923.0626340508
ontime2	5923.0626340508
ontime3	5923.8036740422
ontime5	5923.0626340508
ontime6	5923.0626340508
ontime7	5923.0626340508
ontime8	5923.8036541045
l1events	53820

2.1.4 Events

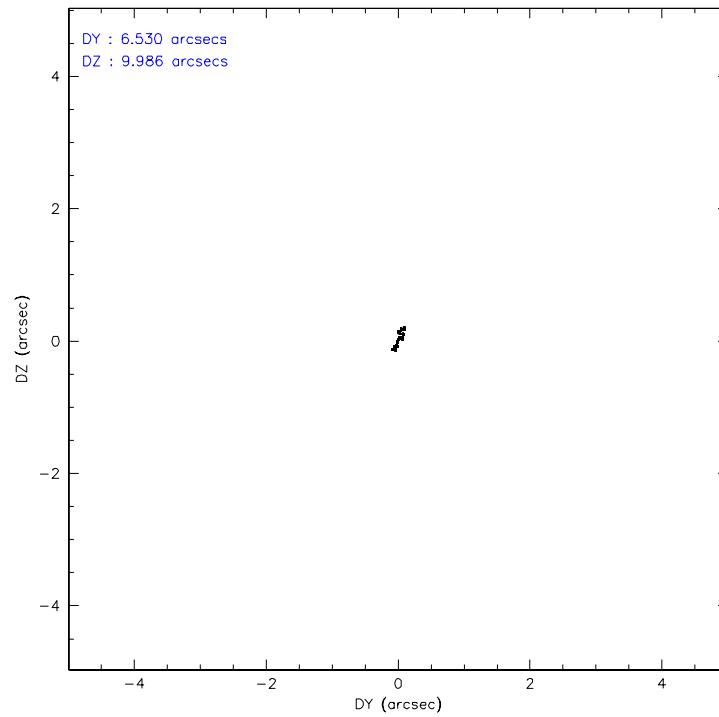
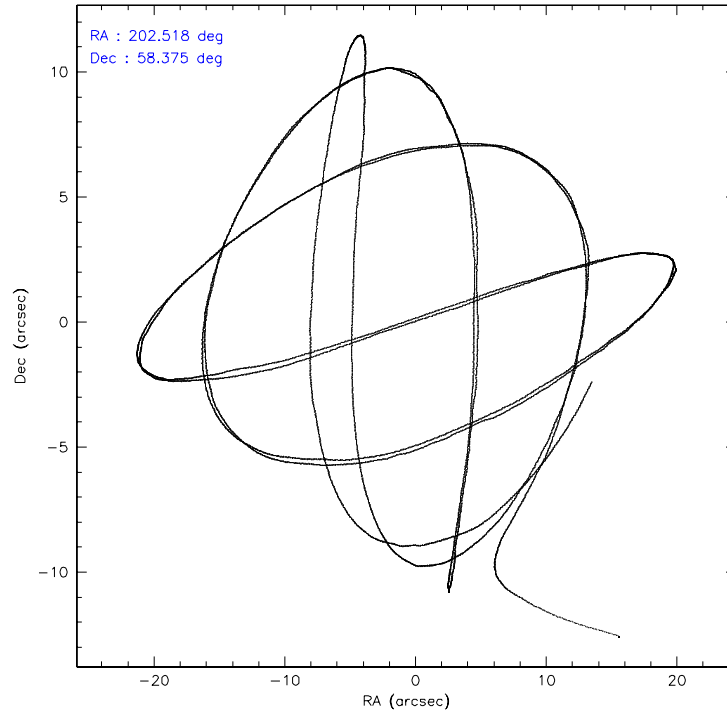
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6538	6095	15059	6803	9668	9657
rejected events	5947	5493	5511	6170	4710	8176
rejected %	90%	90%	36%	90%	48%	84%

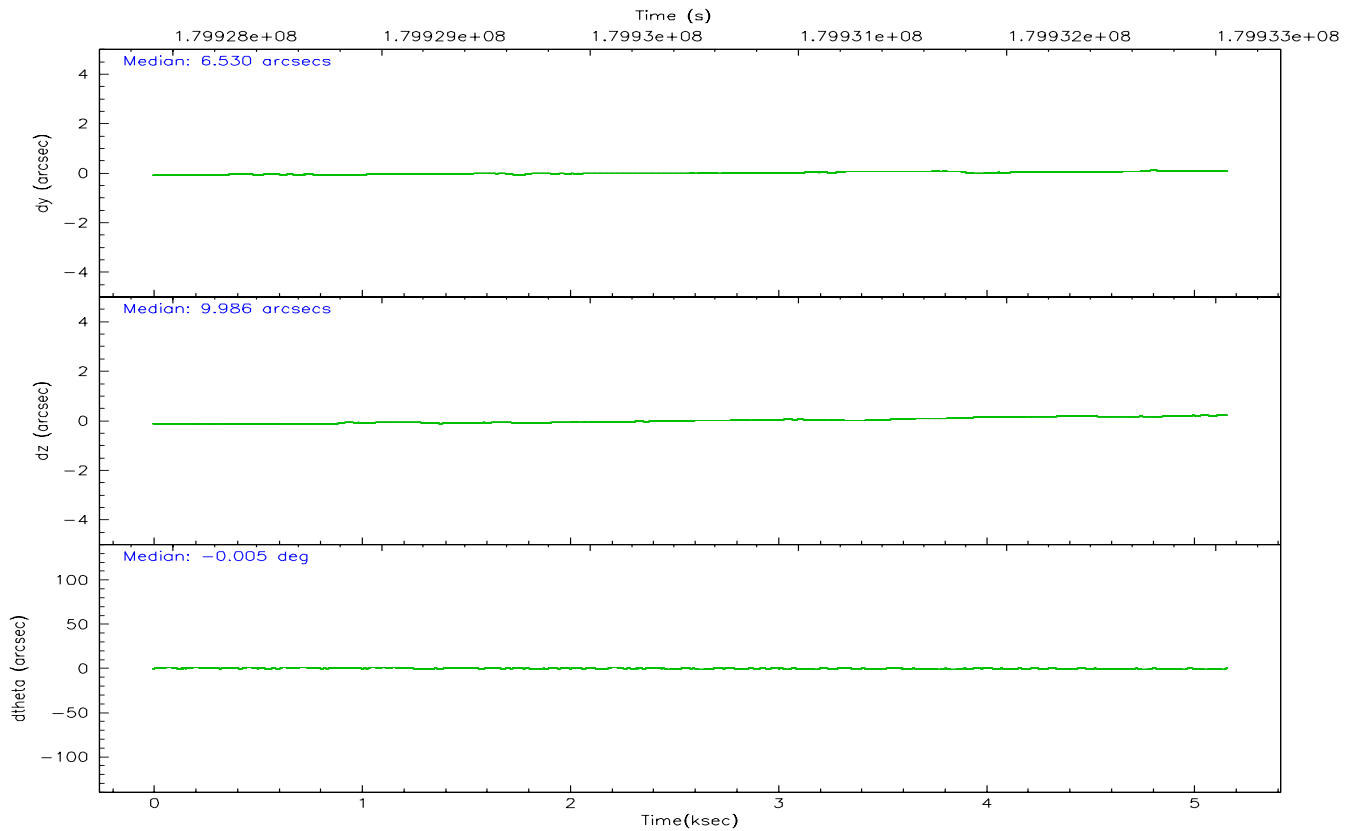
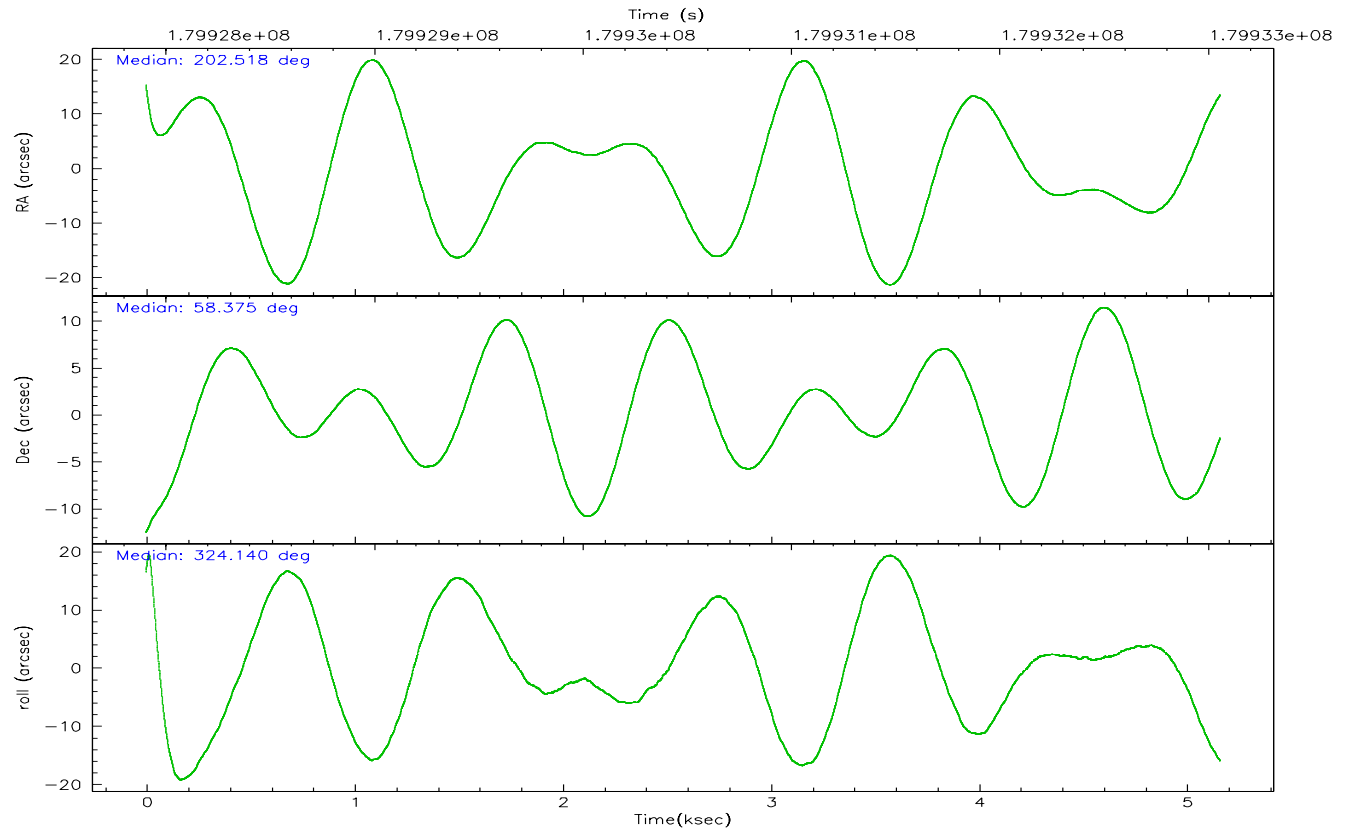
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	258	240	6559	227	1067	380
	3%	3%	43%	3%	11%	3%
grade 1 events	2	4	51	0	27	1
	0%	0%	0%	0%	0%	0%
grade 2 events	119	100	2057	110	1396	372
	1%	1%	13%	1%	14%	3%
grade 3 events	108	127	133	117	521	189
	1%	2%	0%	1%	5%	1%
grade 4 events	101	110	387	117	504	185
	1%	1%	2%	1%	5%	1%
grade 5 events	219	177	390	222	558	285
	3%	2%	2%	3%	5%	2%
grade 6 events	104	126	1823	139	1914	550
	1%	2%	12%	2%	19%	5%
grade 7 events	5627	5211	3659	5871	3681	7695
	86%	85%	24%	86%	38%	79%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	202.466419	202.5182119156215	Subarray start row	0	449
Pointing Dec	58.377870	58.37539842423526	Subarray row count	1024	128
Pointing Roll	324.034981	324.1476010566861	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.7
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	179928061.184000	179926895.44292			
Observation start date	2003-09-14T11:59:57	2003-09-14T11:41:35			
Observation end time	179933061.184000	179934308.75574			
Observation end date	2003-09-14T13:23:17	2003-09-14T13:45:08			
Read mode	TIMED	TIMED			

2.3 Aspect



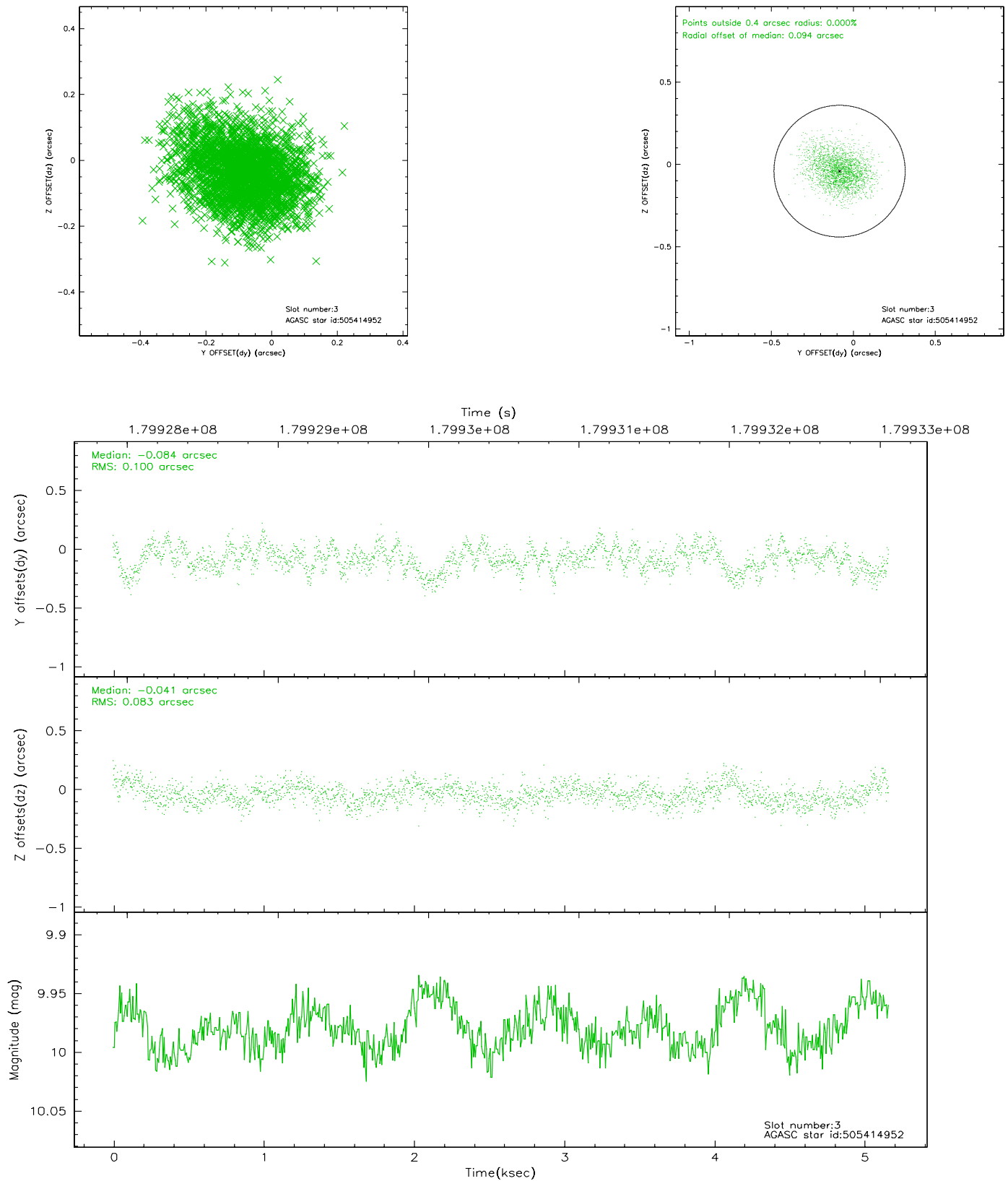


Slot Statistics

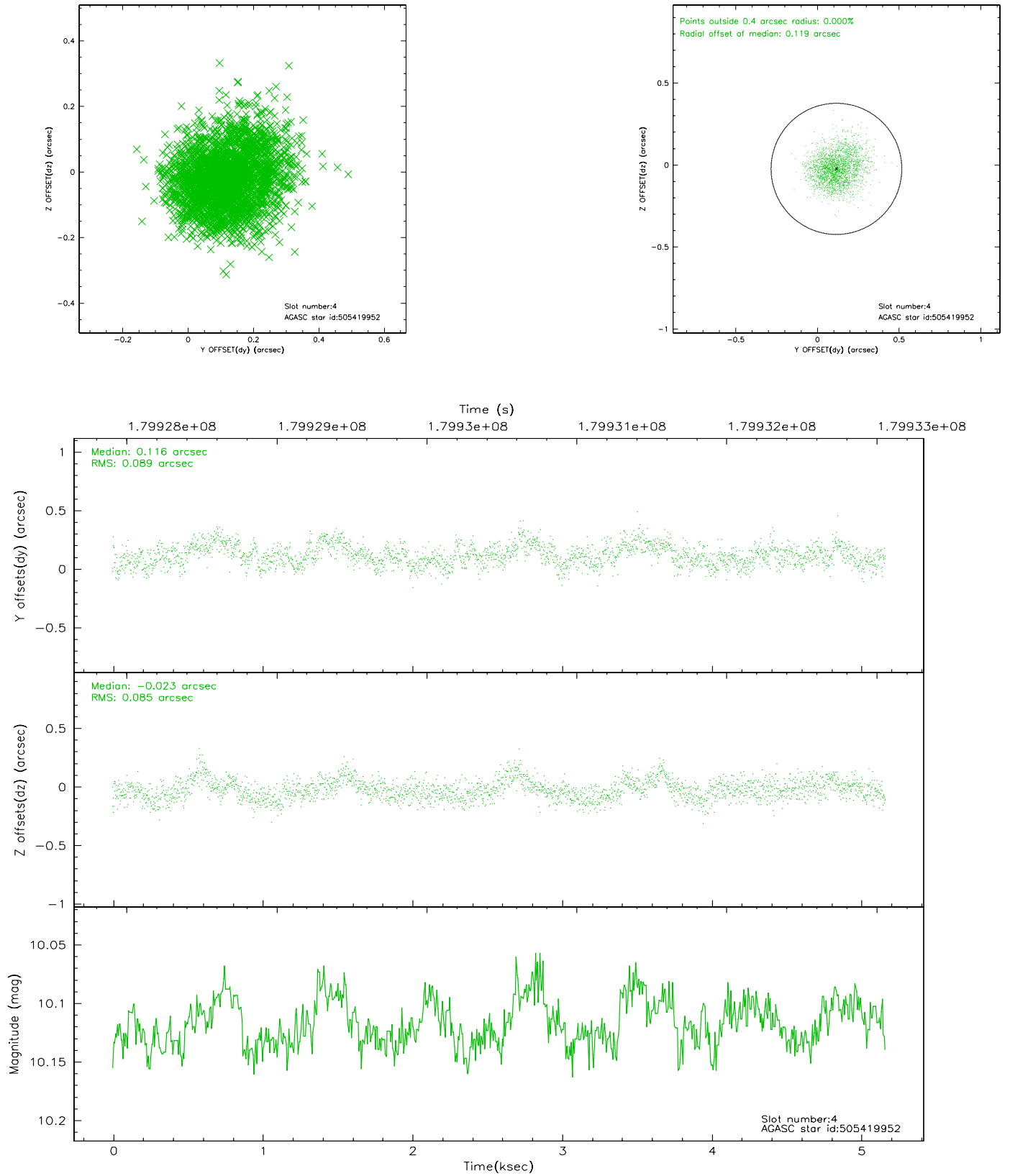
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1260	-0.016	0.003	0.008	0.014	0.000000	0.000000	936.74	-1726.87
1	FID	ACIS-S-4	7.20	1260	0.015	0.009	0.007	0.011	0.000000	0.000000	2154.83	176.08
2	FID	ACIS-S-5	7.23	1260	-0.025	-0.000	0.005	0.010	0.000000	0.000000	-1810.63	170.99
3	GUIDE	505414952	9.98	2517	-0.084	-0.041	0.138	0.227	203.527988	58.651569	1021.03	1978.31
4	GUIDE	505419952	10.12	2519	0.116	-0.023	0.131	0.204	201.880700	58.804366	-1788.03	606.10
5	GUIDE	505421936	8.86	2520	-0.097	0.051	0.075	0.117	201.854843	57.887820	85.19	-2110.21
6	GUIDE	505421968	8.18	2520	0.036	-0.009	0.087	0.141	202.022601	58.209270	-326.24	-983.87
7	GUIDE	505422344	8.62	2519	0.015	0.022	0.068	0.119	202.767077	57.846963	1588.10	-1207.39

2.4 Star Slots

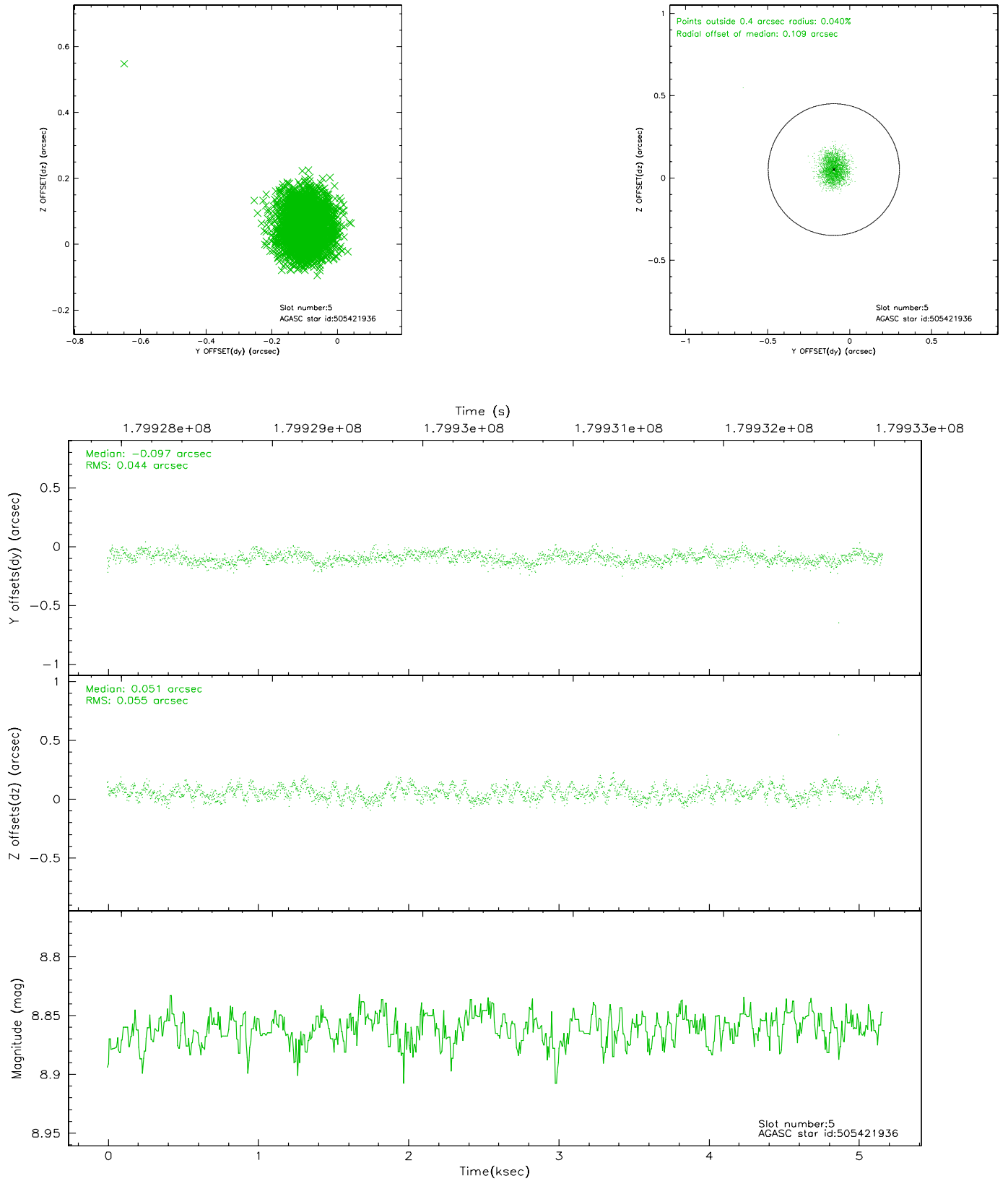
2.4.1 Slot 3



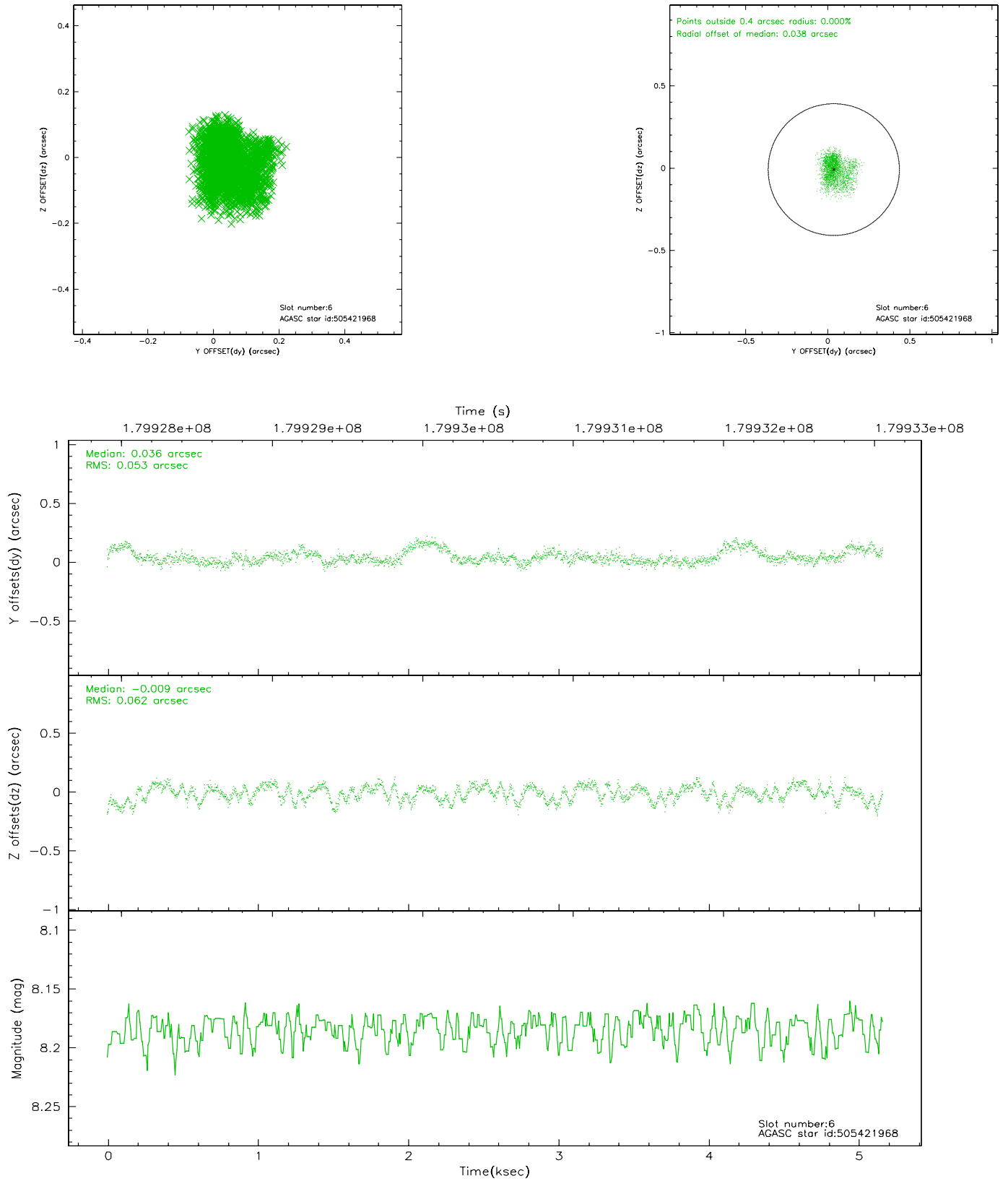
2.4.2 Slot 4



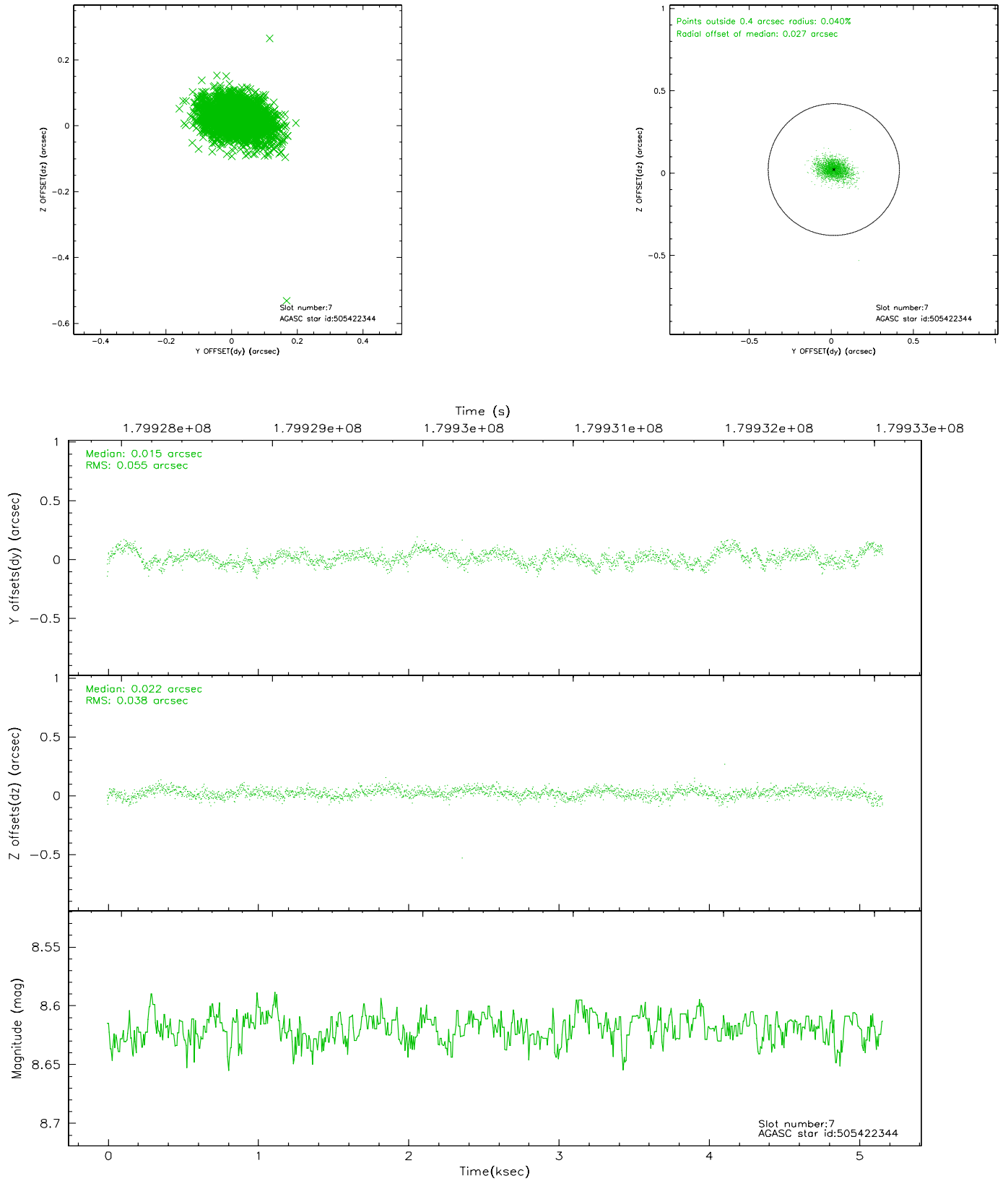
2.4.3 Slot 5



2.4.4 Slot 6

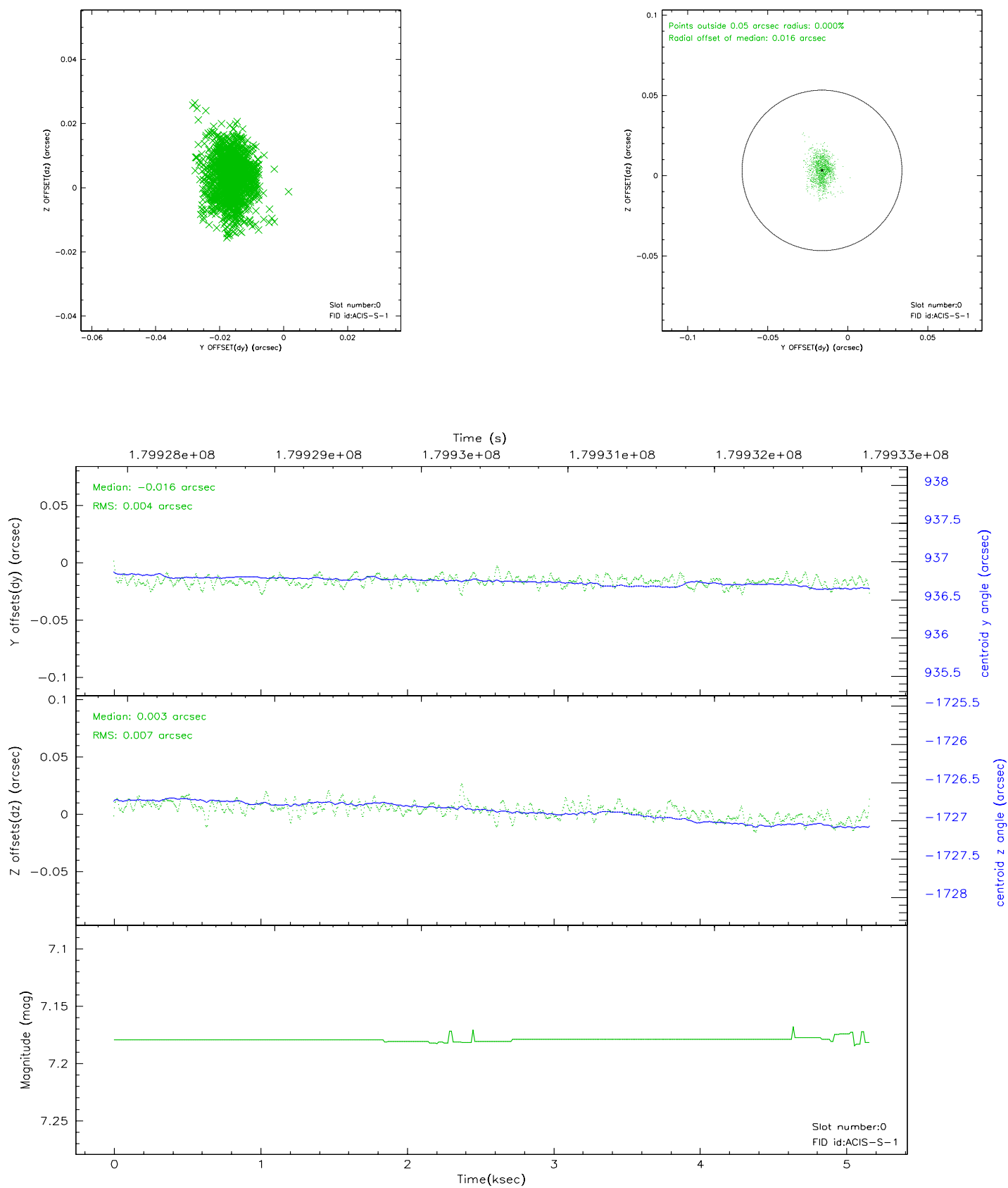


2.4.5 Slot 7

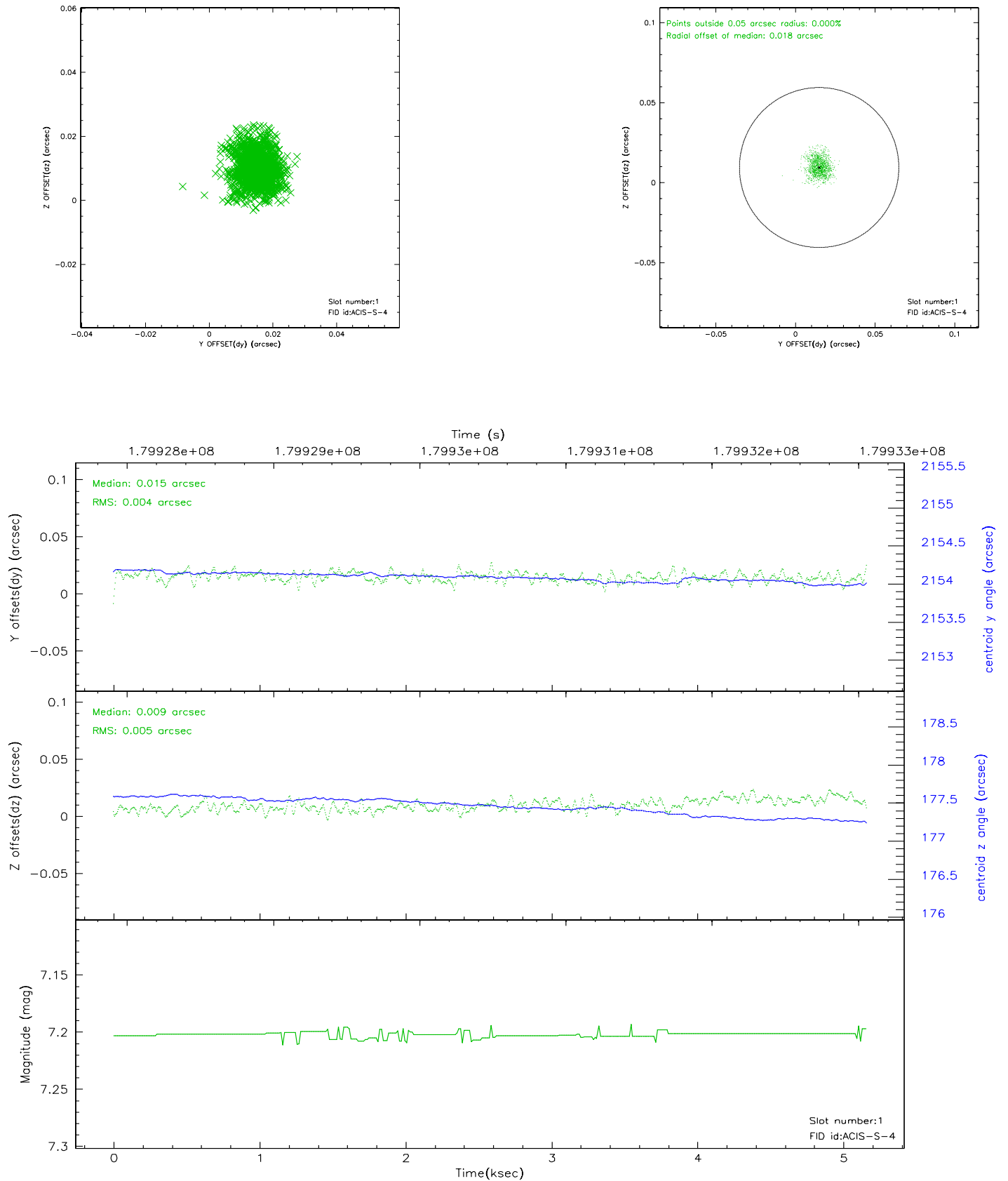


2.5 FID Slots

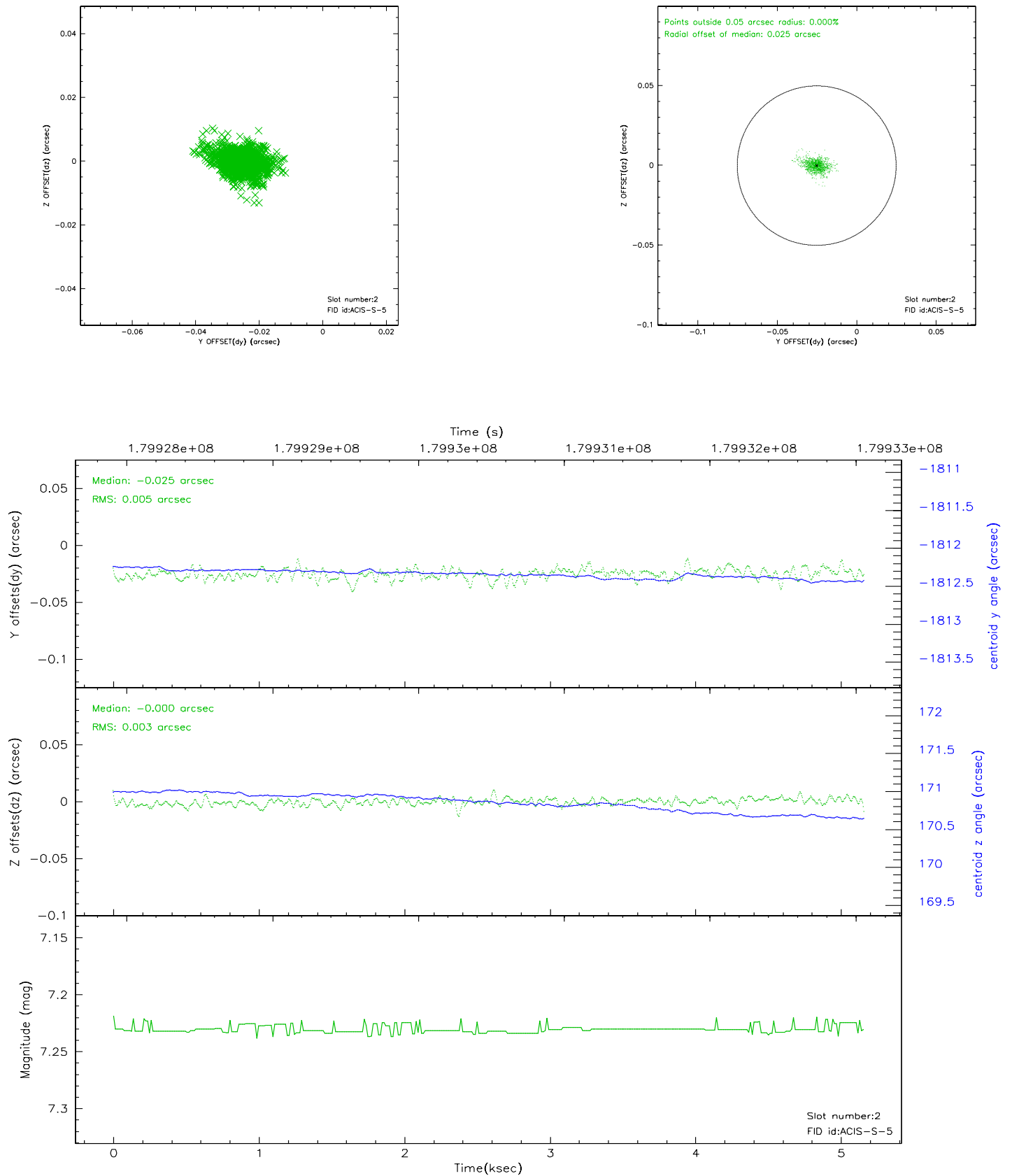
2.5.1 Slot 0



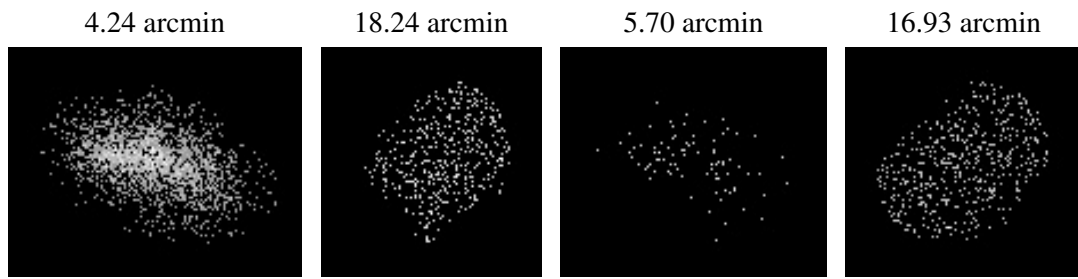
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.163

A.2 Comments