

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4081 - L2 Version 001
Chandra X-Ray Center

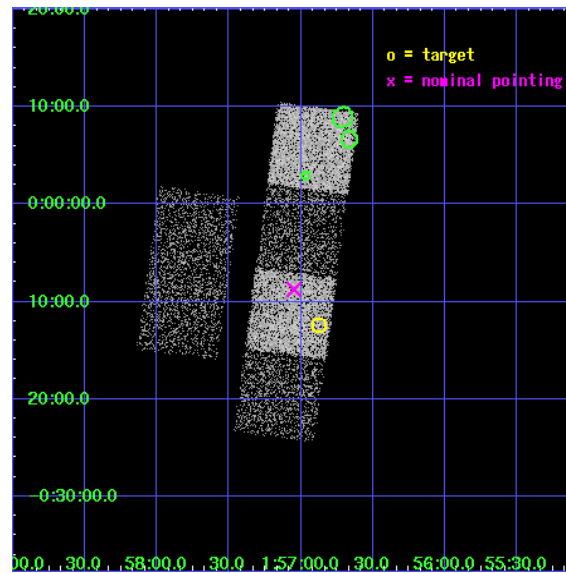
L2 Processing Date : Jul 6 2006

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
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

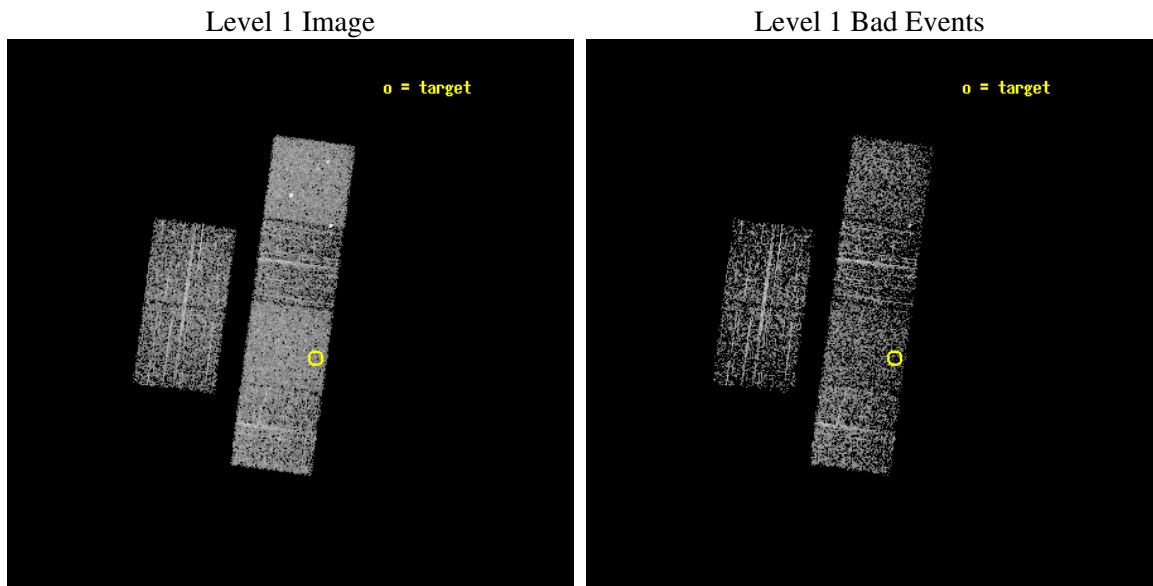
seq_num	700760
obs_id	4081
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?
observer	Prof RICHARD POGGE
object	SDSS J015652.43-001222.0
dtcycle	0
cycle	P
ra_targ	29.218333
dec_targ	-0.206111
ra_nom	29.262381441044
dec_nom	-0.14594354284329
roll_nom	97.685429153602
revision	2
ontime	1731.1999935508
livetime	1709.2784968289
ontime2	1731.1999935508
ontime3	1731.1999935508
ontime5	1731.1999935508
ontime6	1731.1999935508
ontime7	1731.1999935508
ontime8	1724.7181127369
l2events	22135



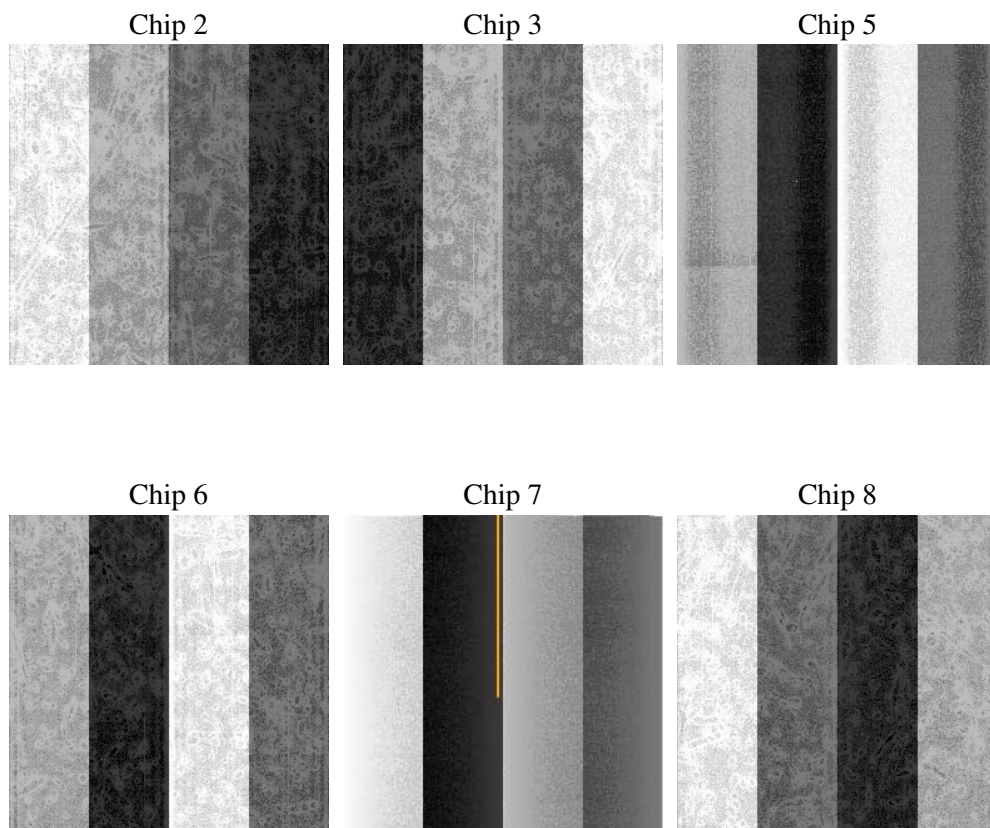
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-06T04:04:34
revision	2

sched_exp_time	1979.050000
ontime	1737.1784742475
ontime2	1737.1784742475
ontime3	1737.1784742475
ontime5	1737.1784742475
ontime6	1737.1784742475
ontime7	1737.1784742475
ontime8	1733.9375039339
l1events	85116

2.1.4 Events

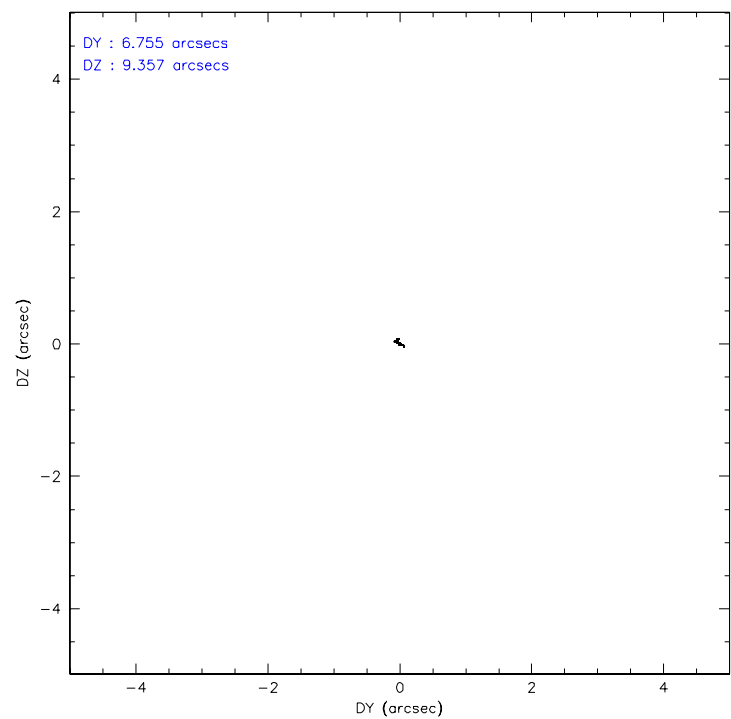
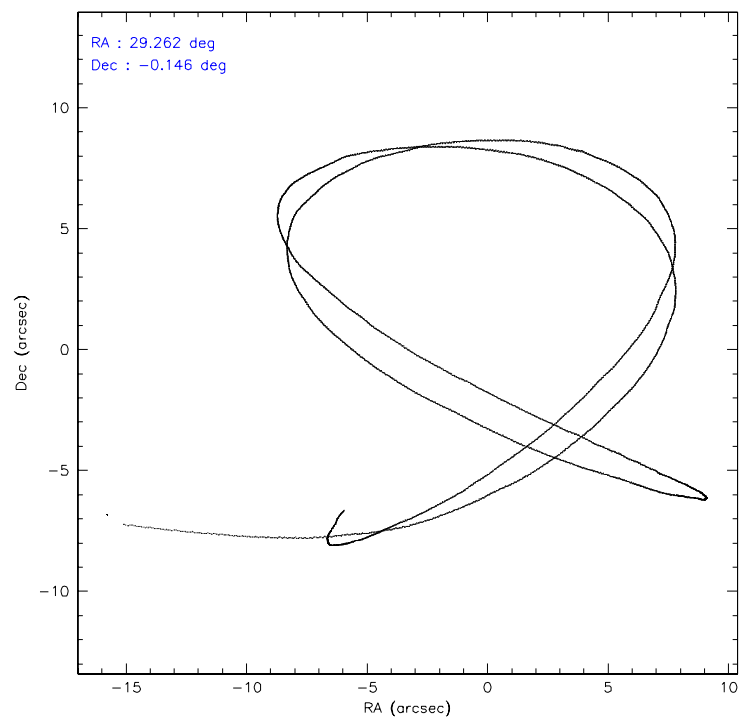
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	11682	10647	18861	11577	17122	15227
rejected events	10039	9127	9280	9811	9302	12097
rejected %	85%	85%	49%	84%	54%	79%

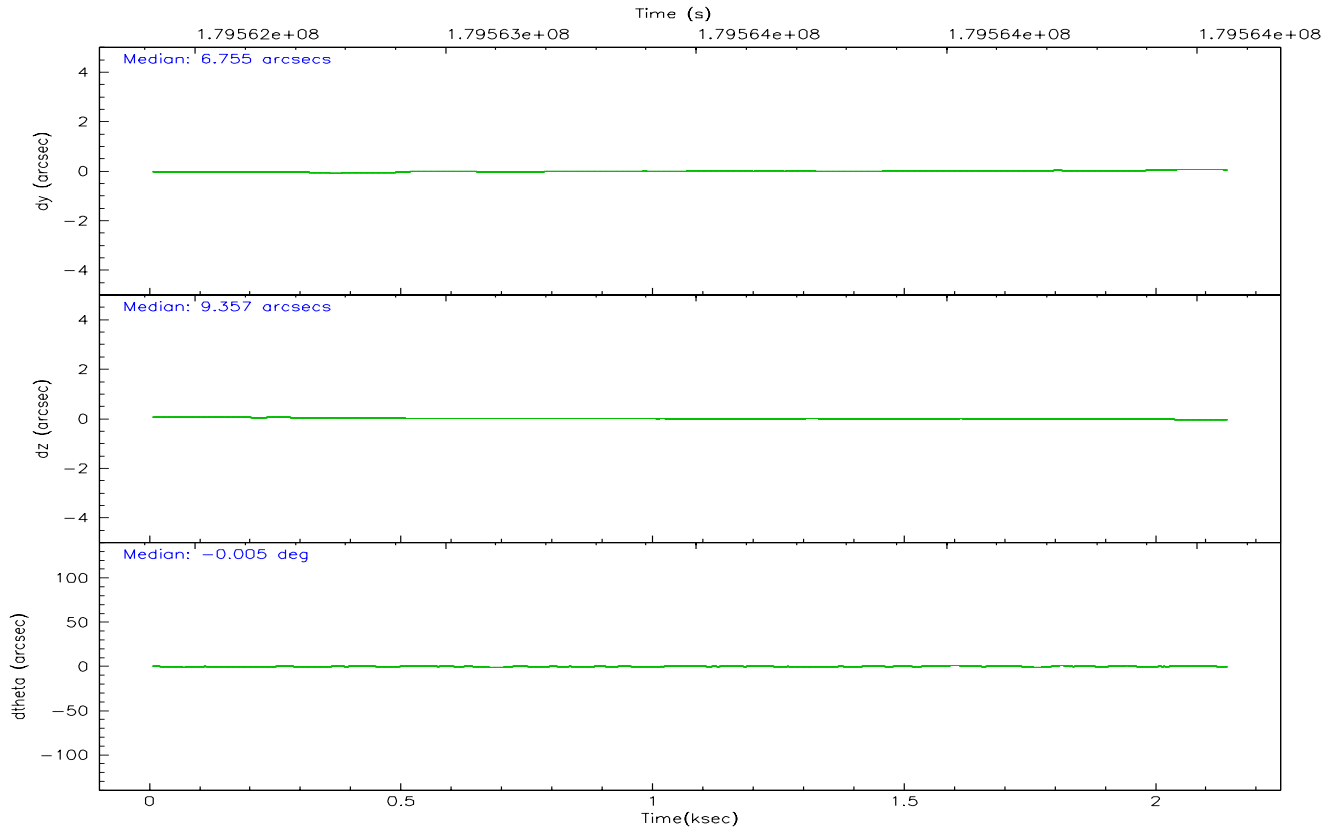
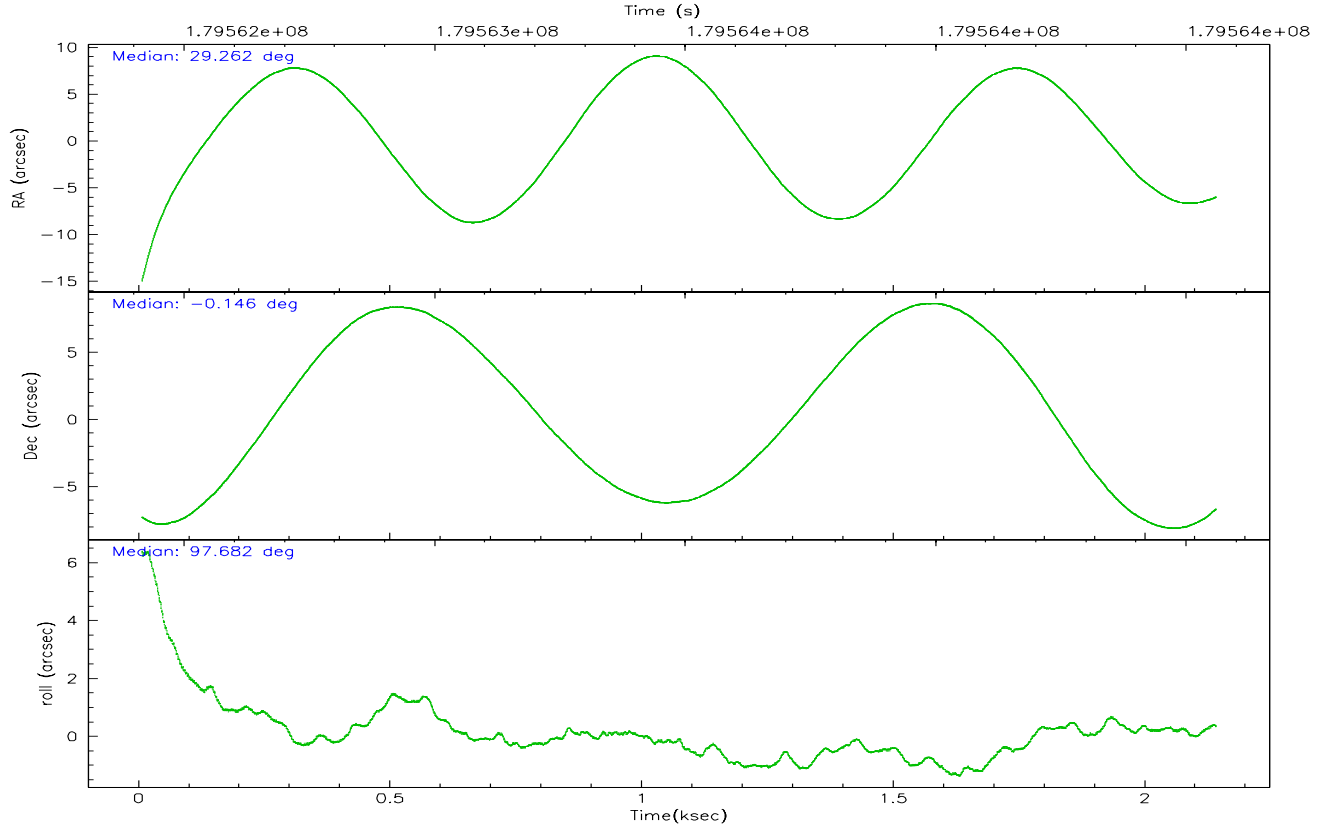
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	774	748	1172	829	575	1198
	6%	7%	6%	7%	3%	7%
grade 1 events	17	6	54	8	10	13
	0%	0%	0%	0%	0%	0%
grade 2 events	335	264	2847	351	1851	606
	2%	2%	15%	3%	10%	3%
grade 3 events	133	138	252	137	425	275
	1%	1%	1%	1%	2%	1%
grade 4 events	156	124	247	145	398	310
	1%	1%	1%	1%	2%	2%
grade 5 events	401	484	890	474	1006	603
	3%	4%	4%	4%	5%	3%
grade 6 events	247	247	5075	306	4584	759
	2%	2%	26%	2%	26%	4%
grade 7 events	9619	8636	8324	9327	8273	11463
	82%	81%	44%	80%	48%	75%

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	NONE	NONE
Pointing RA	29.279423	29.26238144104408	Alternating exposures requested	N	N
Pointing Dec	-0.167103	-0.1459435428432932	Primary exposure time	0.000000	3.2
Pointing Roll	97.528811	97.68542915360189			
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	179562580.184000	179561640.26476			
Observation start date	2003-09-10T06:28:36	2003-09-10T06:14:00			
Observation end time	179564559.184000	179564874.1399			
Observation end date	2003-09-10T07:01:35	2003-09-10T07:07:54			
Read mode	TIMED	TIMED			

2.3 Aspect



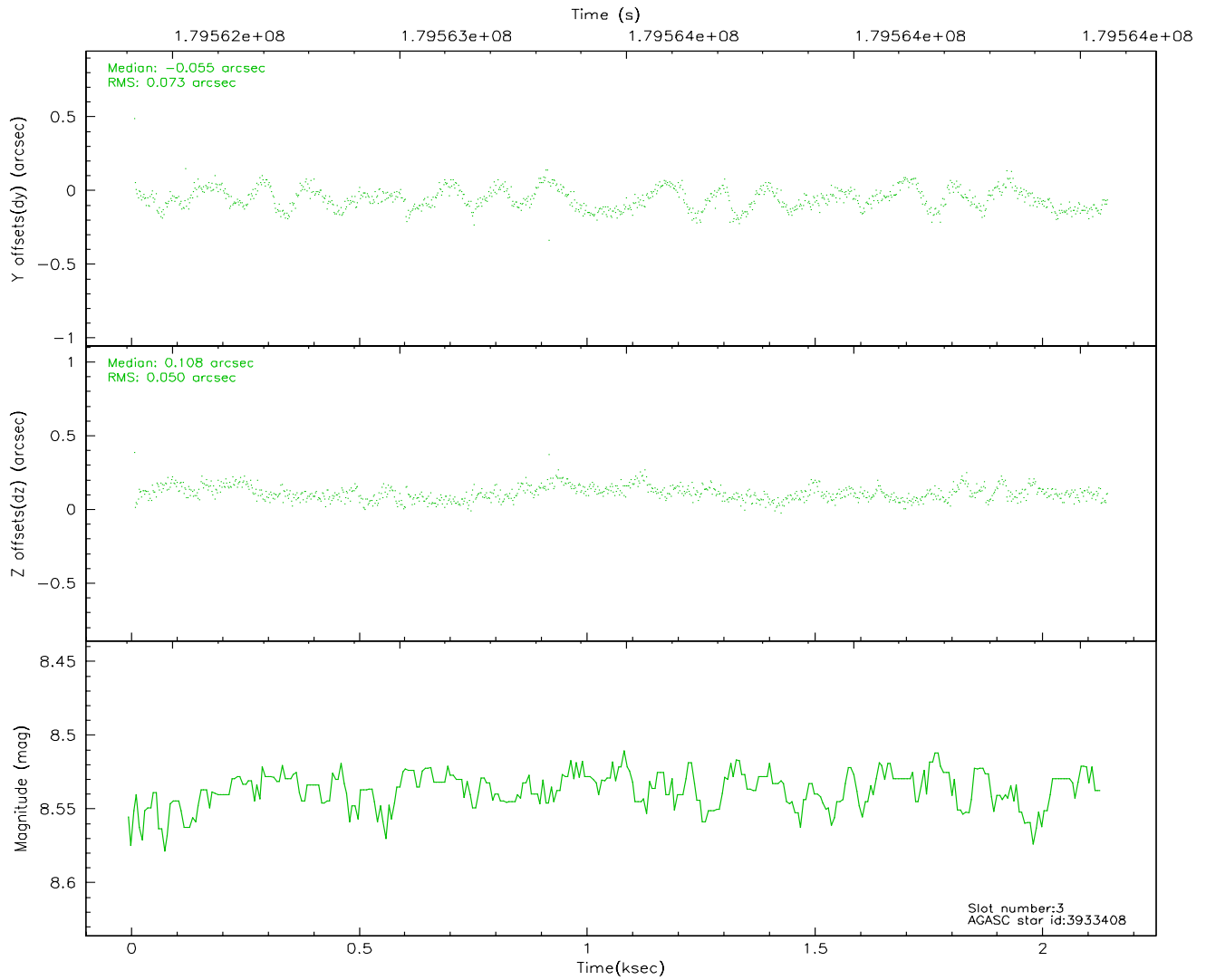
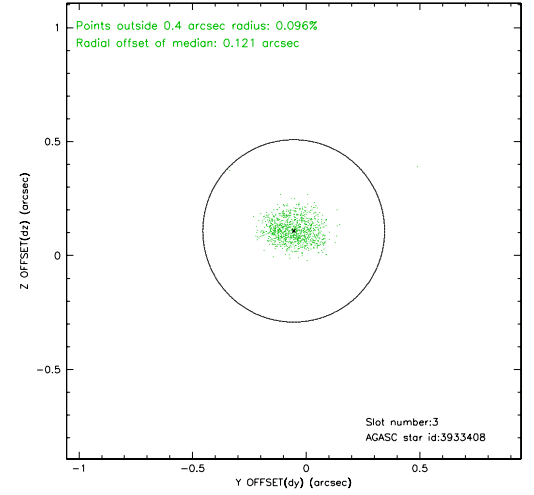
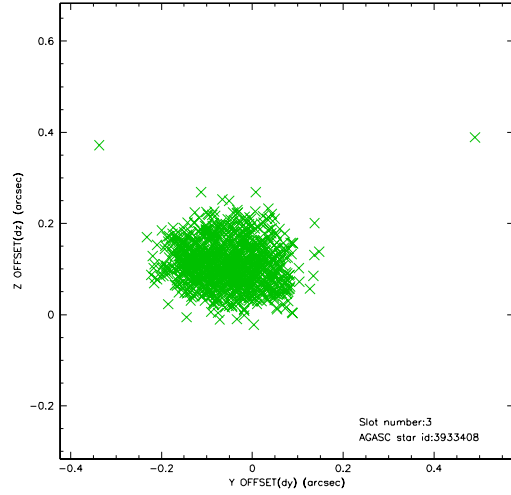


Slot Statistics

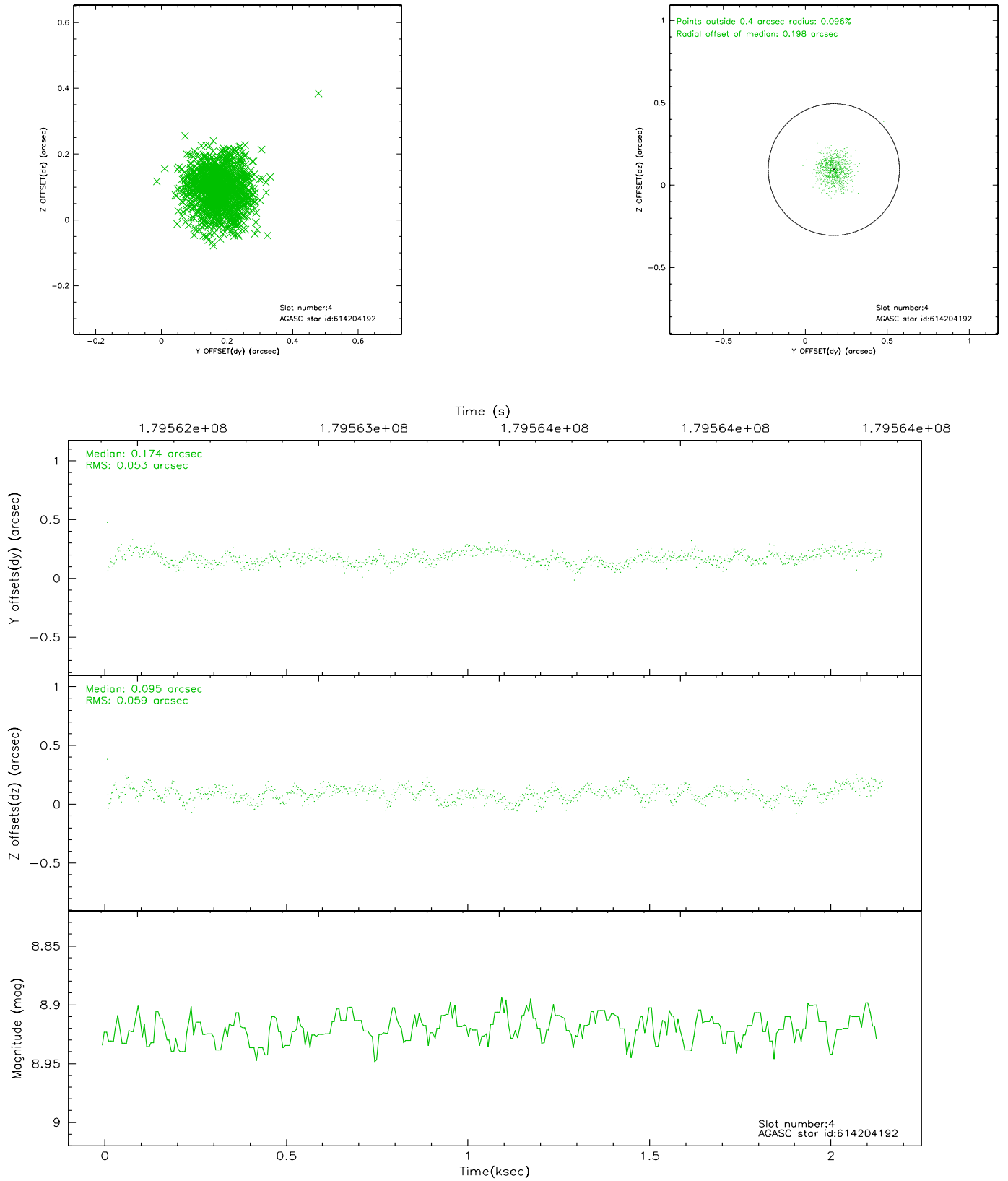
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	521	-0.033	-0.008	0.006	0.010	0.000000	0.000000	-759.51	-1730.61
1	FID	ACIS-S-4	7.21	521	0.028	0.018	0.004	0.008	0.000000	0.000000	2152.42	174.77
2	FID	ACIS-S-5	7.23	521	-0.026	-0.001	0.006	0.010	0.000000	0.000000	-1808.43	171.86
3	GUIDE	3933408	8.54	1043	-0.055	0.108	0.093	0.143	29.793077	0.506917	2164.26	-2151.10
4	GUIDE	614204192	8.92	1043	0.174	0.095	0.084	0.135	29.866026	-0.253029	-580.61	-2055.20
5	GUIDE	614204216	8.40	1043	-0.051	-0.199	0.056	0.092	29.234942	-0.240997	-242.55	191.26
6	GUIDE	614205400	9.71	1043	0.195	-0.059	0.104	0.169	29.530659	-0.419662	-1019.59	-777.62
7	GUIDE	614209352	9.75	1042	-0.265	0.063	0.102	0.166	29.955379	-0.724968	-2310.28	-2150.24

2.4 Star Slots

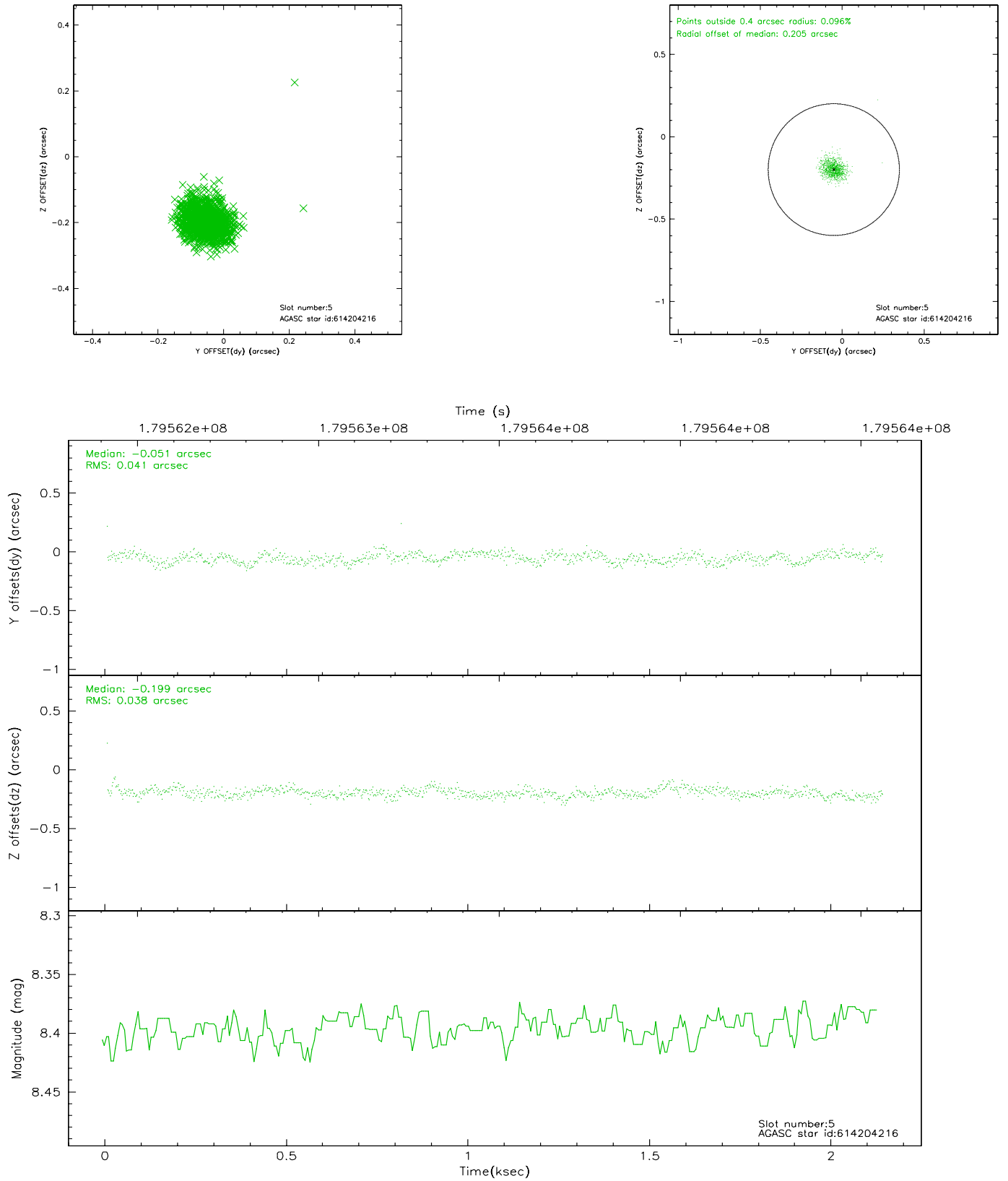
2.4.1 Slot 3



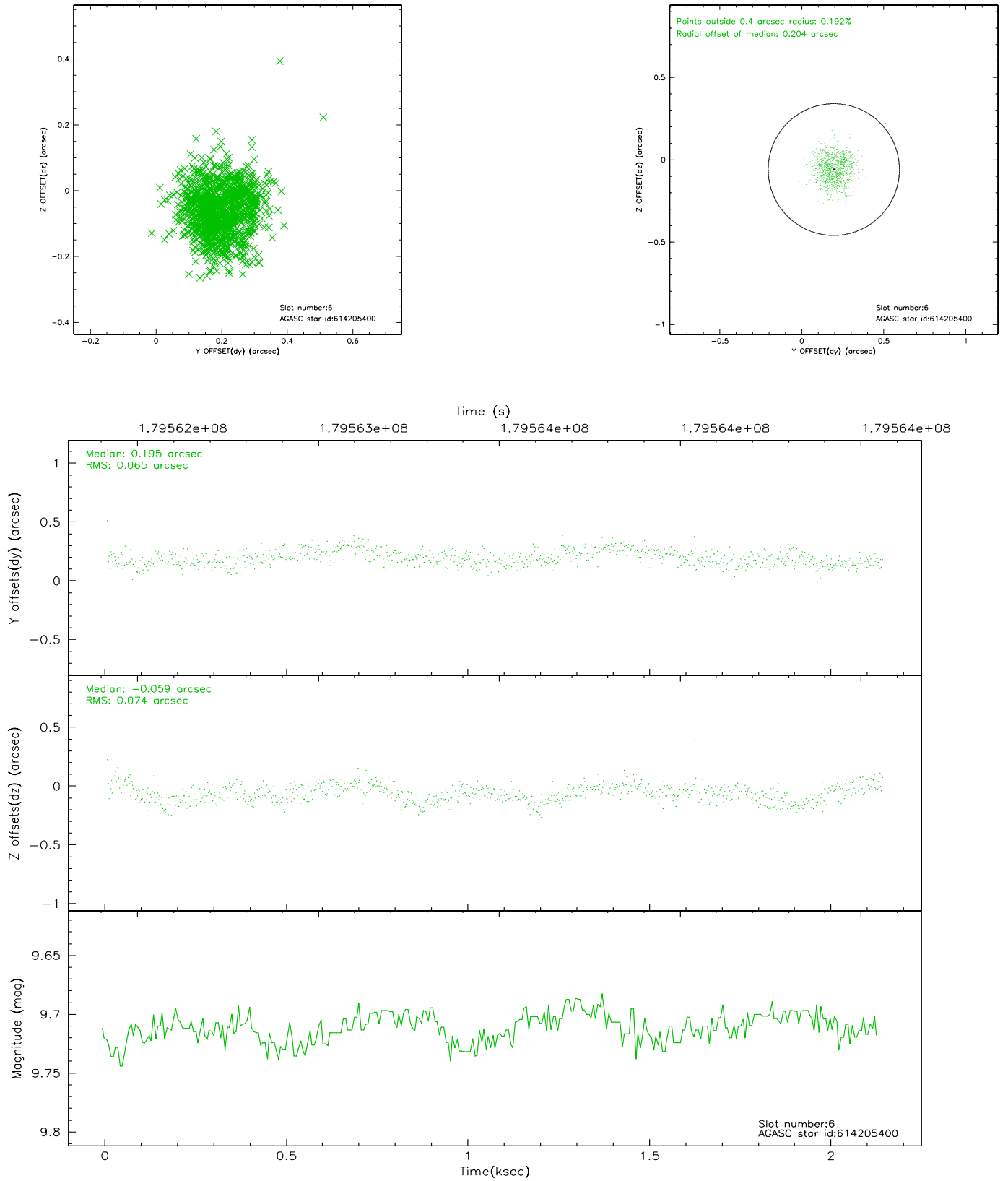
2.4.2 Slot 4



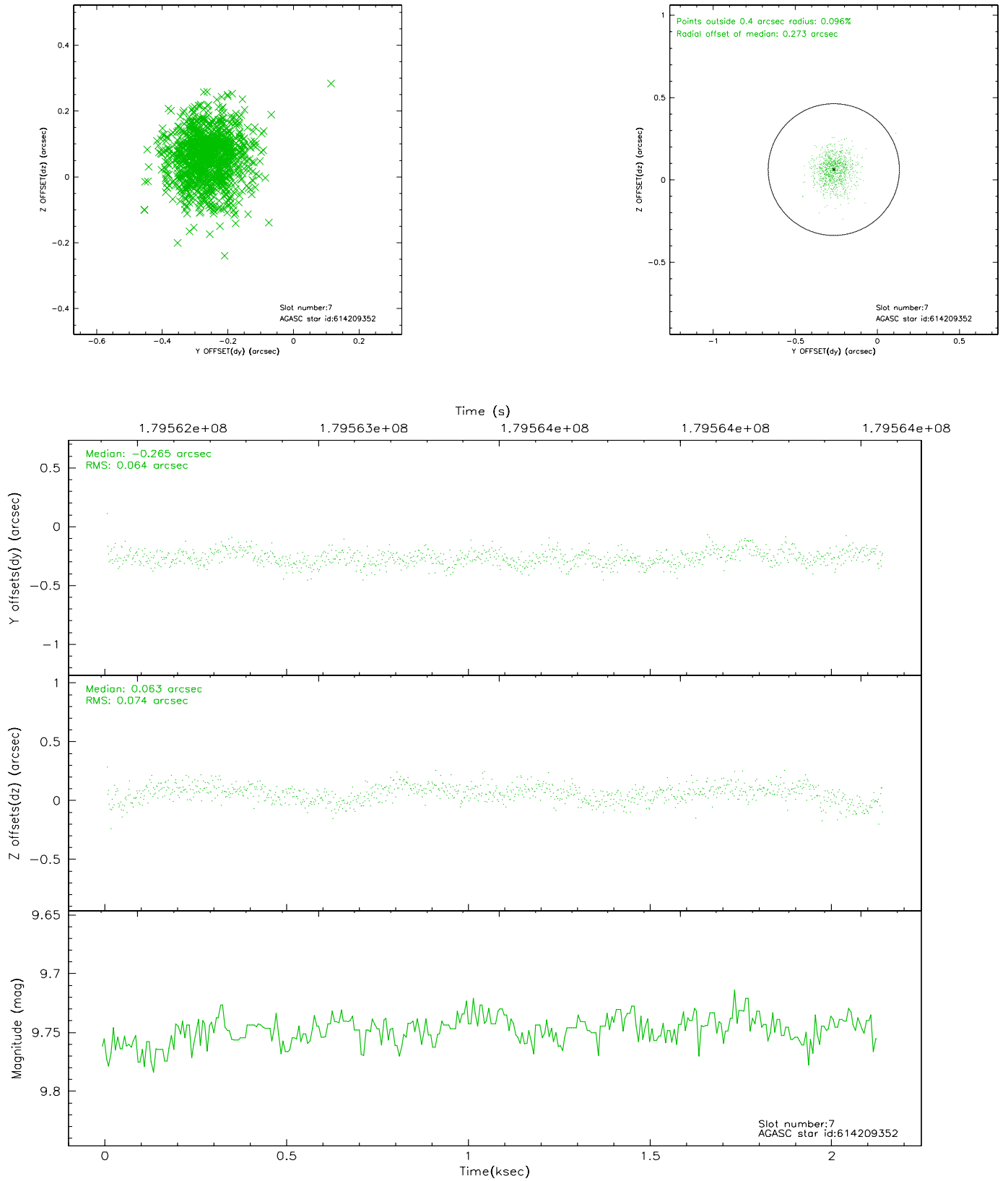
2.4.3 Slot 5



2.4.4 Slot 6

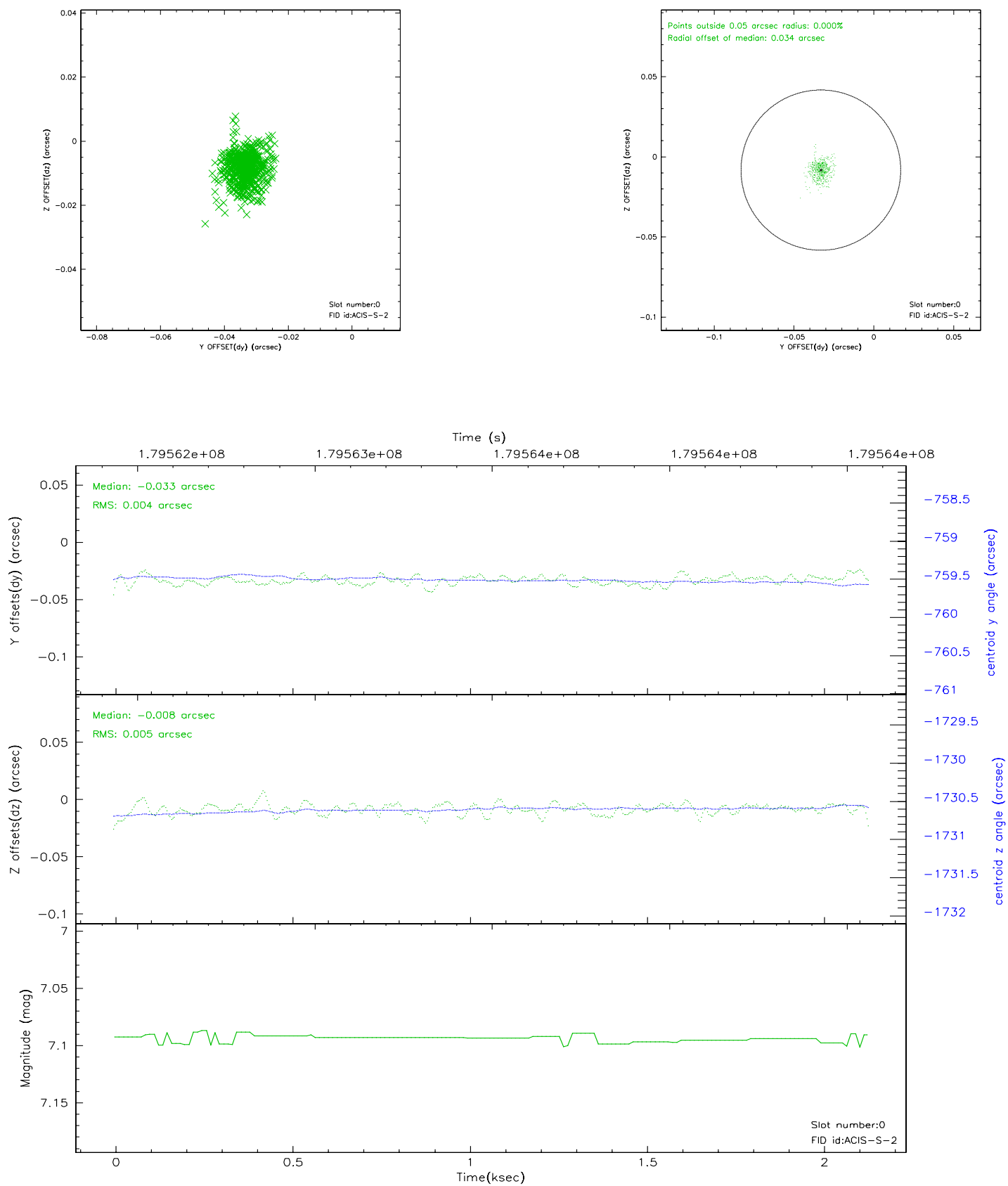


2.4.5 Slot 7

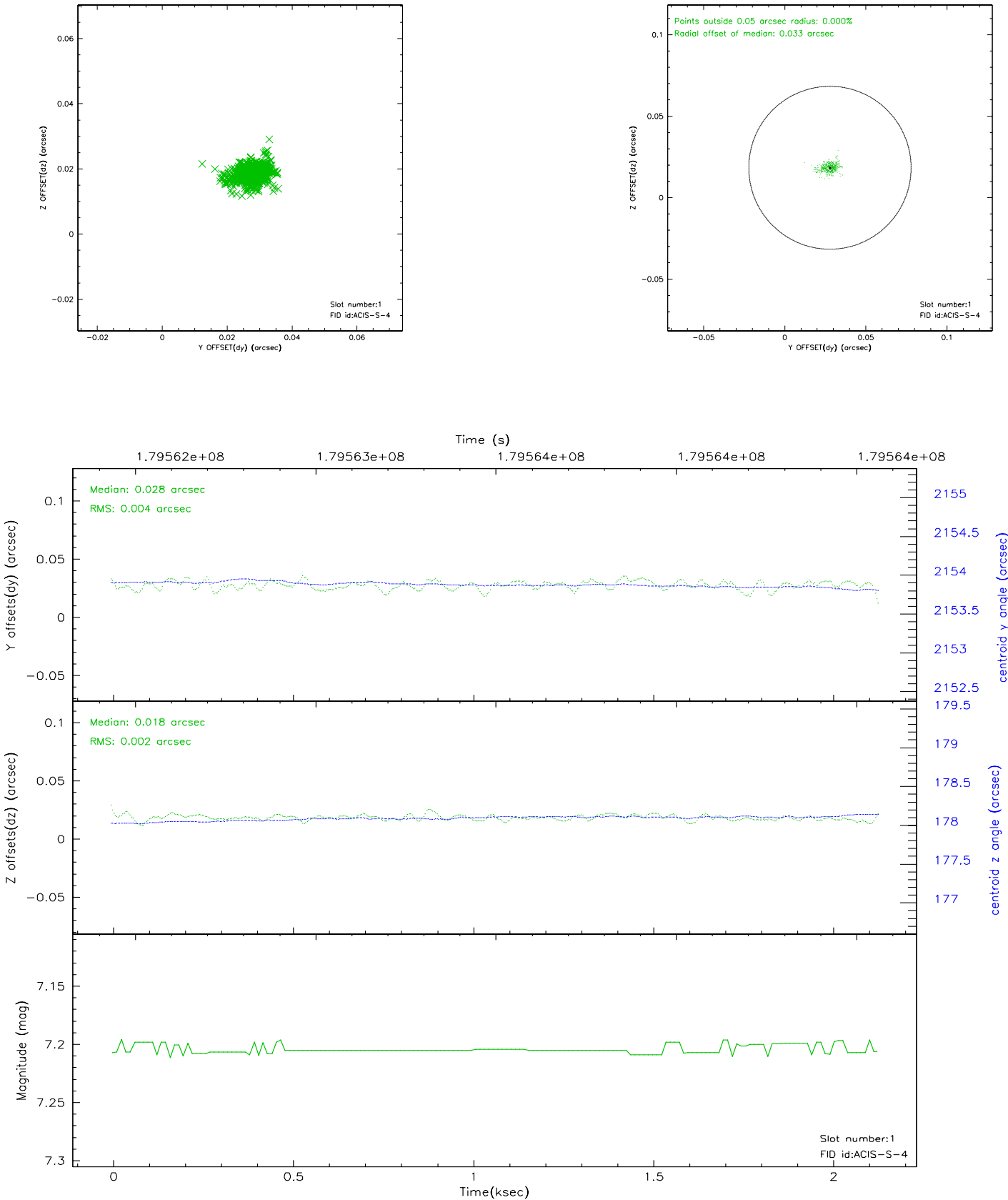


2.5 FID Slots

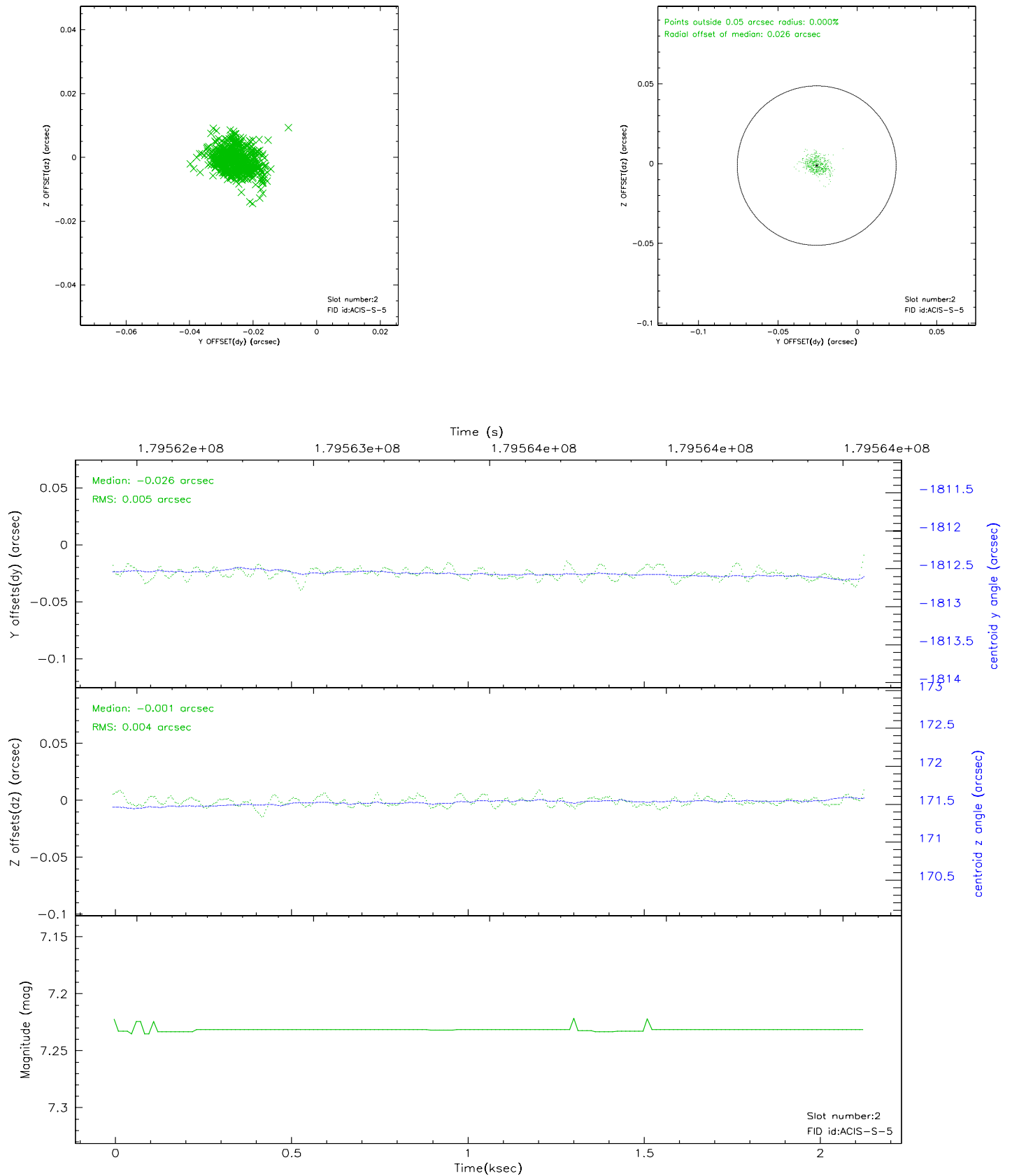
2.5.1 Slot 0



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)	2006.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.731

A.2 Comments