

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5741 - L2 Version 002
Chandra X-Ray Center

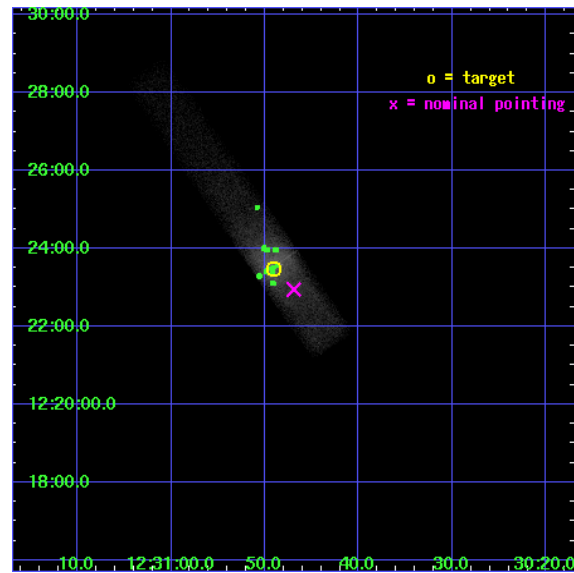
L2 Processing Date : Mar 8 2006

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

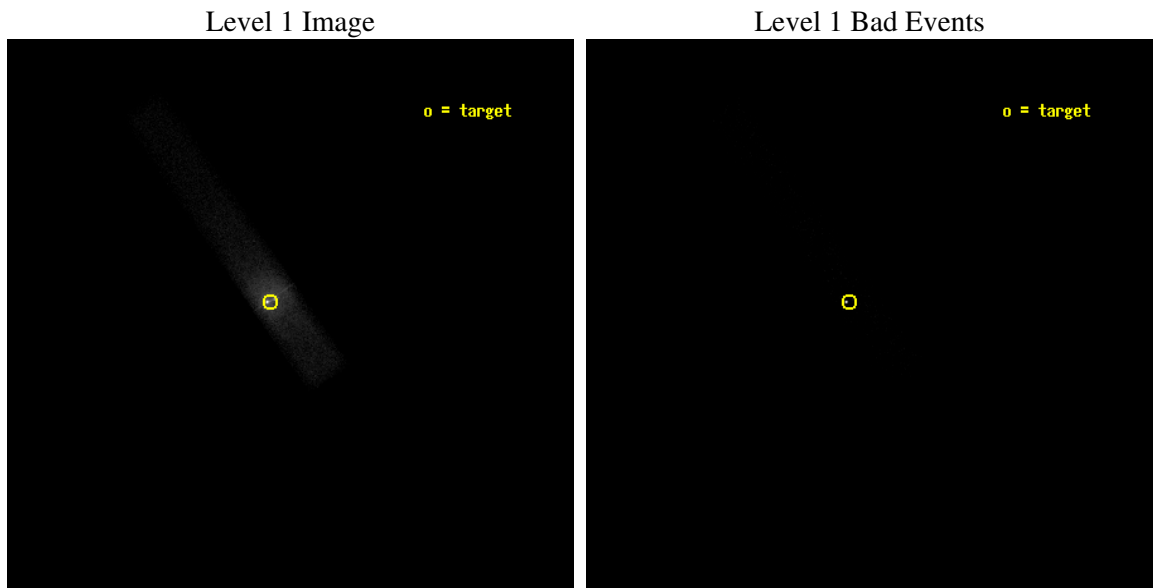
seq_num	701163
obs_id	5741
title	The X-ray Flares of Knot 'HST-1' in the M87 Jet (monitoring)
observer	Dr. John Biretta
object	M87
dtcycle	0
cycle	P
ra_targ	187.704167
dec_targ	12.391667
ra_nom	187.69552097681
dec_nom	12.382448406321
roll_nom	235.15848198908
revision	2
ontime	5179.6000771821
livetime	4697.623868295
ontime7	5179.6000771821
l2events	58803



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-08T16:57:58
revision	2

sched_exp_time	4993.381000
ontime	5745.8016816676
ontime7	5745.8016816676
l1events	74246

2.1.4 Events

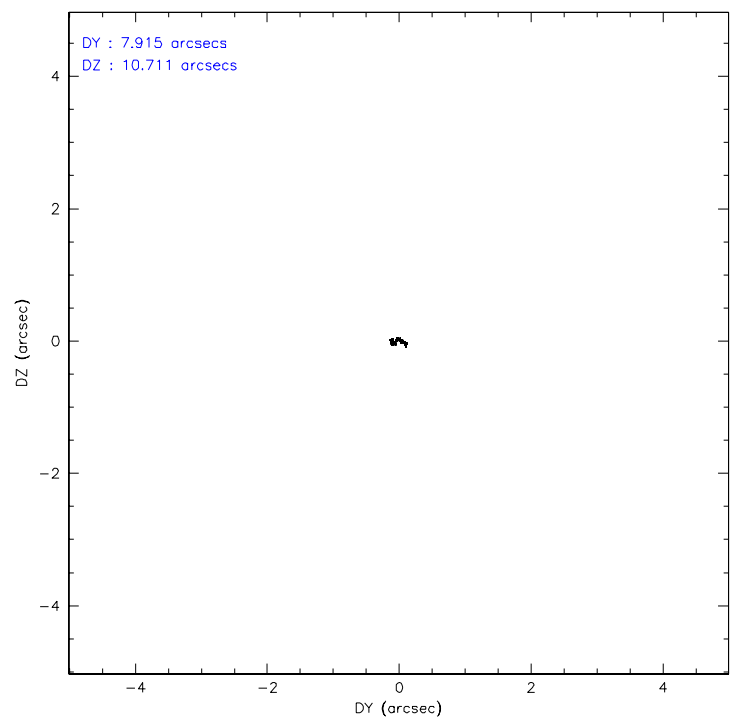
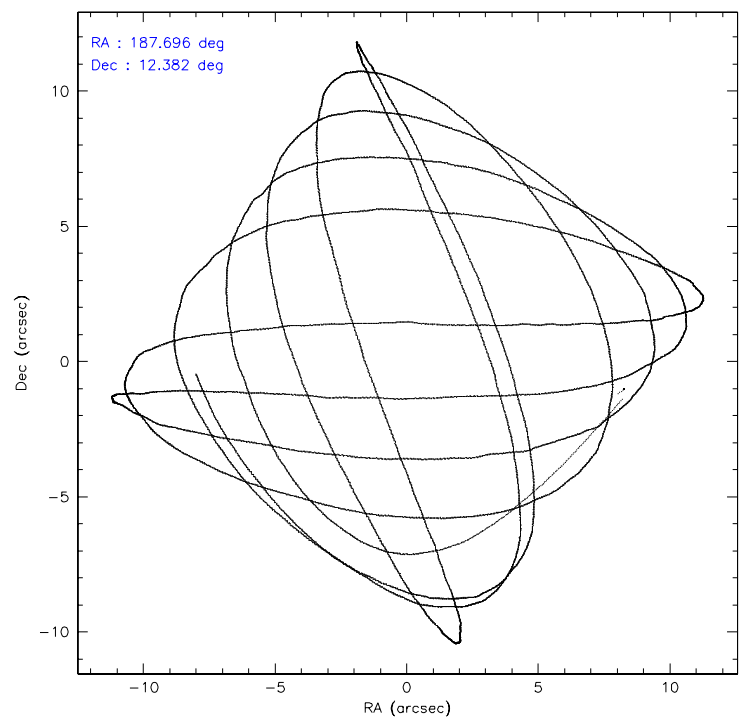
	ccd 7
level 1 events	74246
rejected events	14918
rejected %	20%

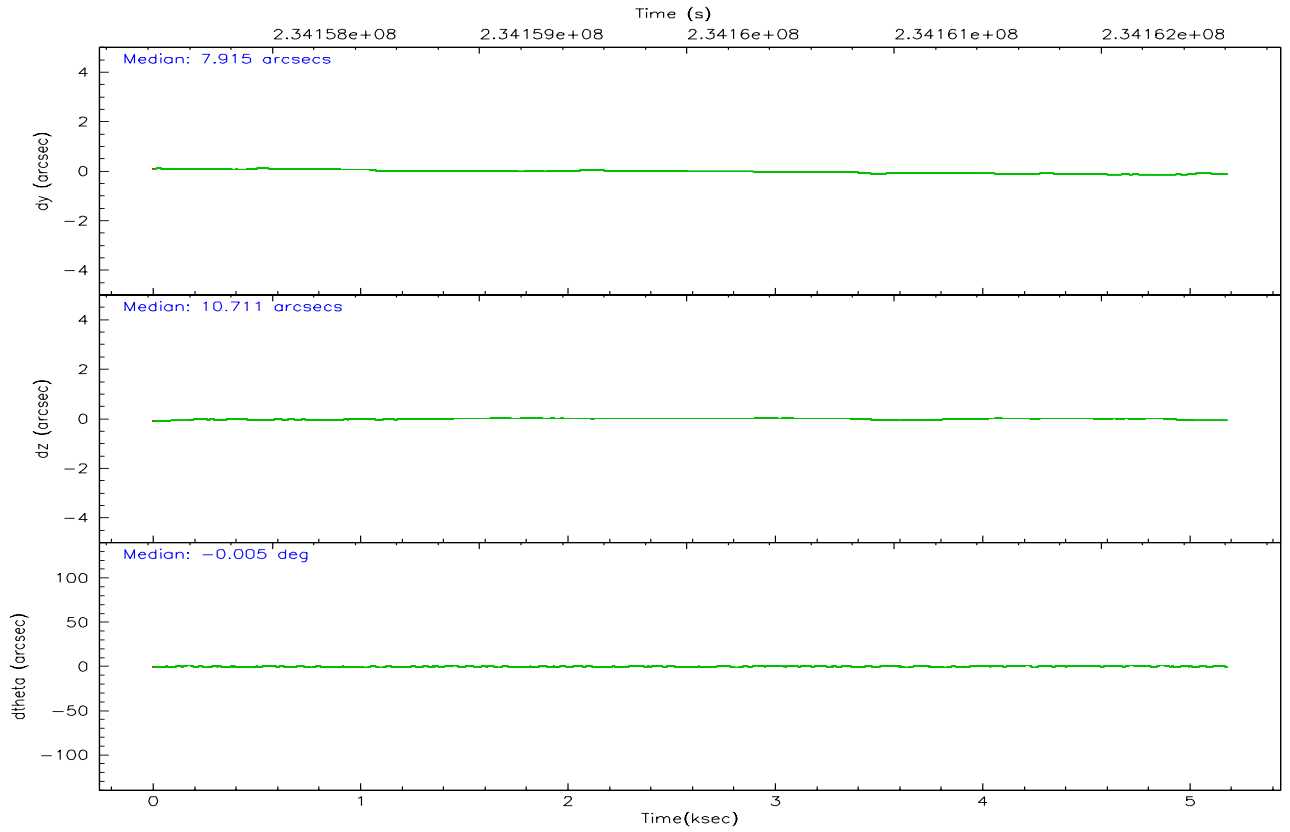
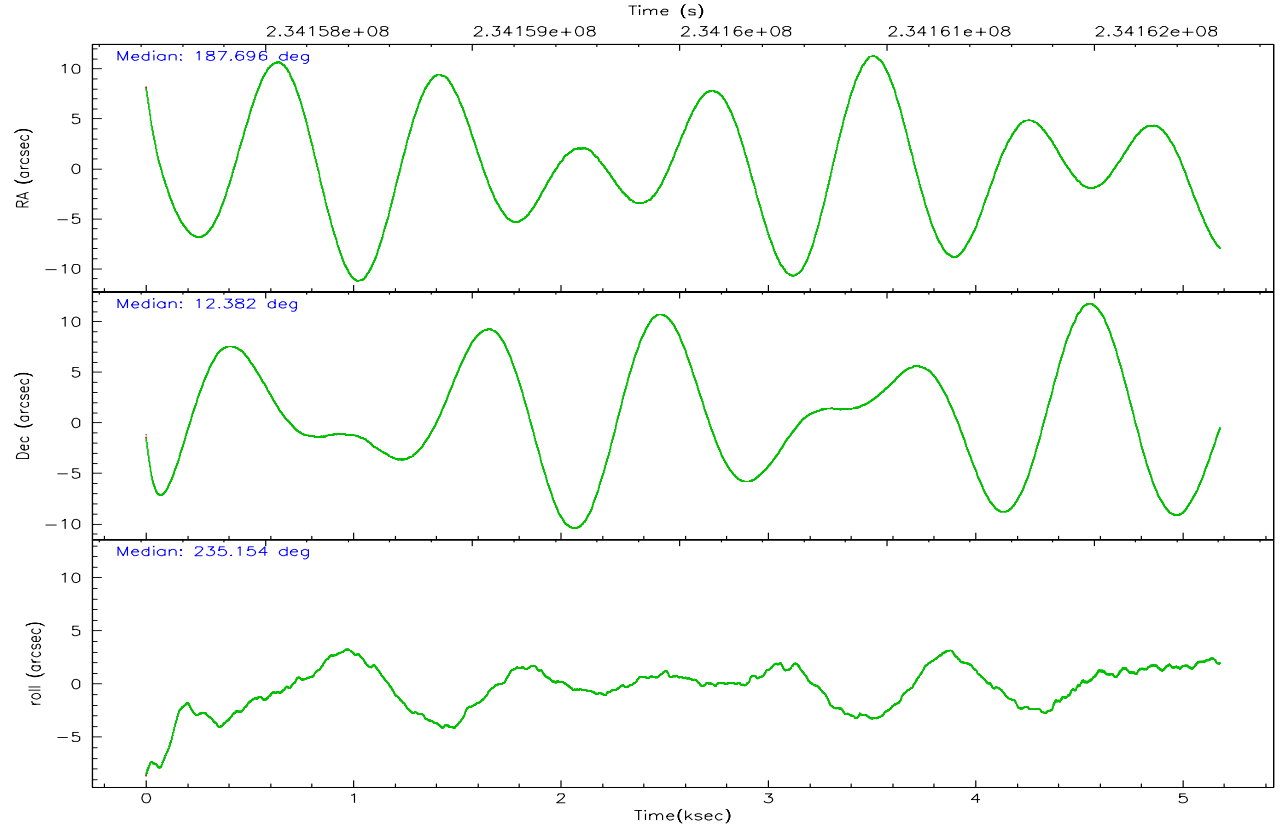
	ccd 7
grade 0 events	17245
	23%
grade 1 events	409
	0%
grade 2 events	15657
	21%
grade 3 events	6625
	8%
grade 4 events	6458
	8%
grade 5 events	2590
	3%
grade 6 events	14964
	20%
grade 7 events	10298
	13%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	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	187.697485	187.6955209768127	Subarray start row	0	449
Pointing Dec	12.409659	12.3824484063209	Subarray row count	1024	128
Pointing Roll	235.001432	235.1584819890835	Alternating exposures requested	N	N
Window start time	233798464.184000	233798464.184000	Primary exposure time	0.000000	0.4
Window stop time	234403264.184000	234403264.184000			
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	234157610.184000	234156703.02459			
Observation start date	2005-06-03T03:45:46	2005-06-03T03:31:43			
Observation end time	234162604.184000	234162821.76236			
Observation end date	2005-06-03T05:09:00	2005-06-03T05:13:41			
Read mode	TIMED	TIMED			

2.3 Aspect



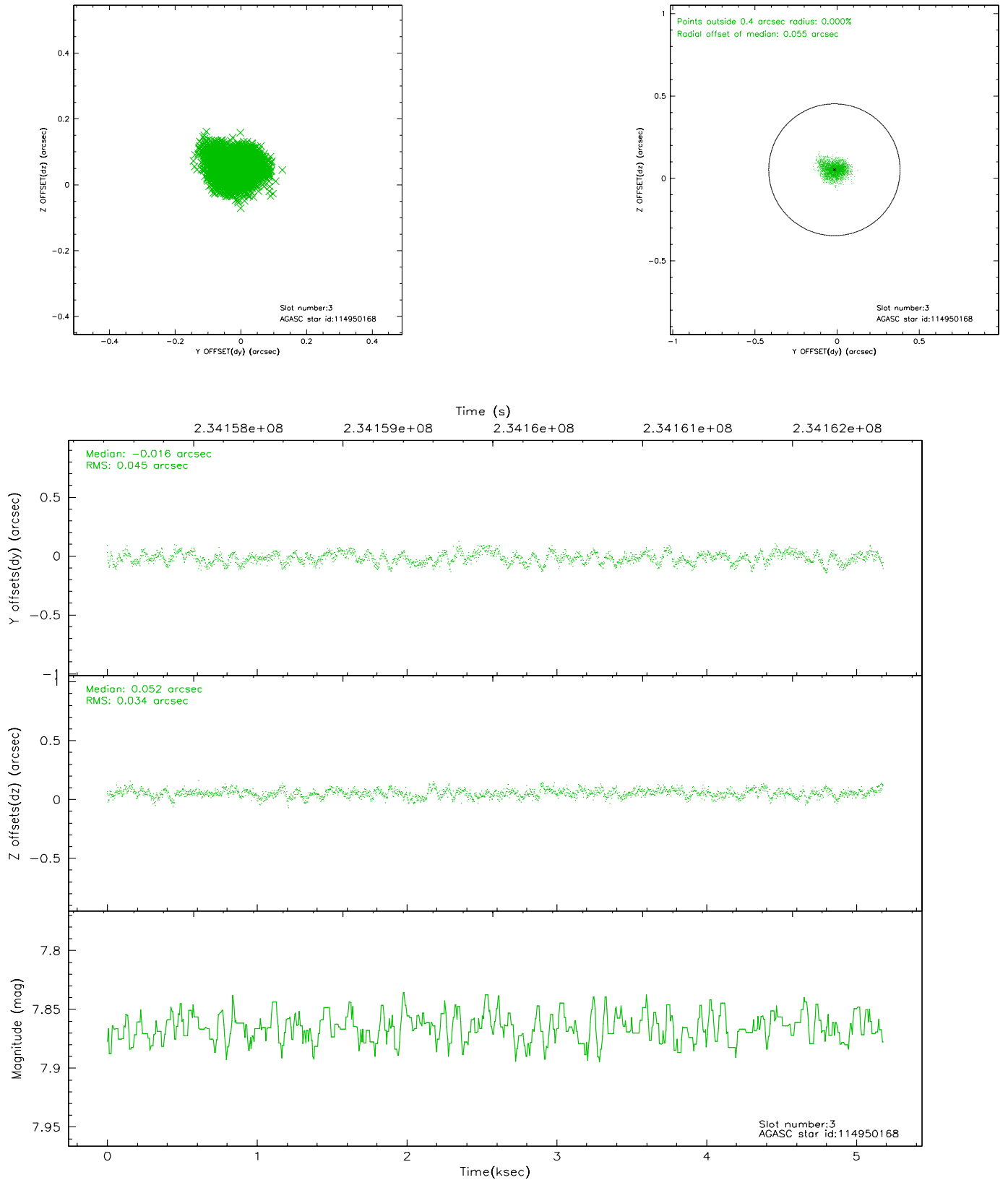


Slot Statistics

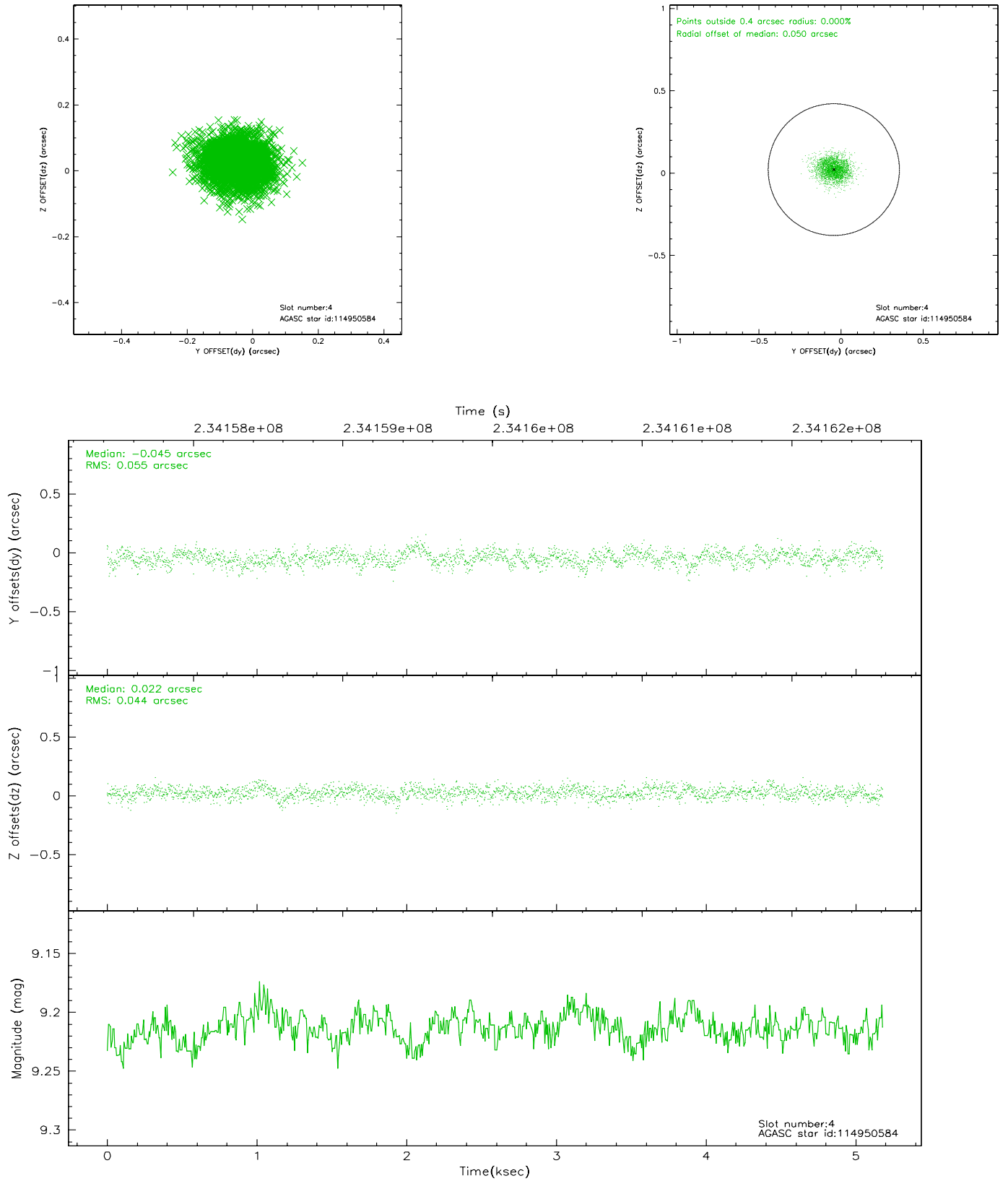
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1264	-0.030	0.007	0.007	0.011	0.000000	0.000000	-760.67	-1731.98
1	FID	ACIS-S-4	7.20	1264	0.069	0.012	0.005	0.010	0.000000	0.000000	2152.14	175.36
2	FID	ACIS-S-5	7.23	1264	-0.070	-0.011	0.008	0.013	0.000000	0.000000	-1812.09	170.26
3	GUIDE	114950168	7.87	2528	-0.016	0.052	0.061	0.096	187.143398	12.117441	1979.07	-995.20
4	GUIDE	114950584	9.21	2527	-0.045	0.022	0.075	0.122	187.487323	11.827248	2143.09	595.40
5	GUIDE	114952824	8.57	2524	-0.047	0.114	0.065	0.105	187.703904	12.486727	-239.02	-140.54
6	GUIDE	114954440	9.21	2528	0.076	-0.097	0.088	0.149	186.915066	12.219118	2137.79	-1863.60
7	GUIDE	114955056	8.31	2525	0.028	-0.088	0.060	0.098	187.914001	12.127854	394.75	1205.02

2.4 Star Slots

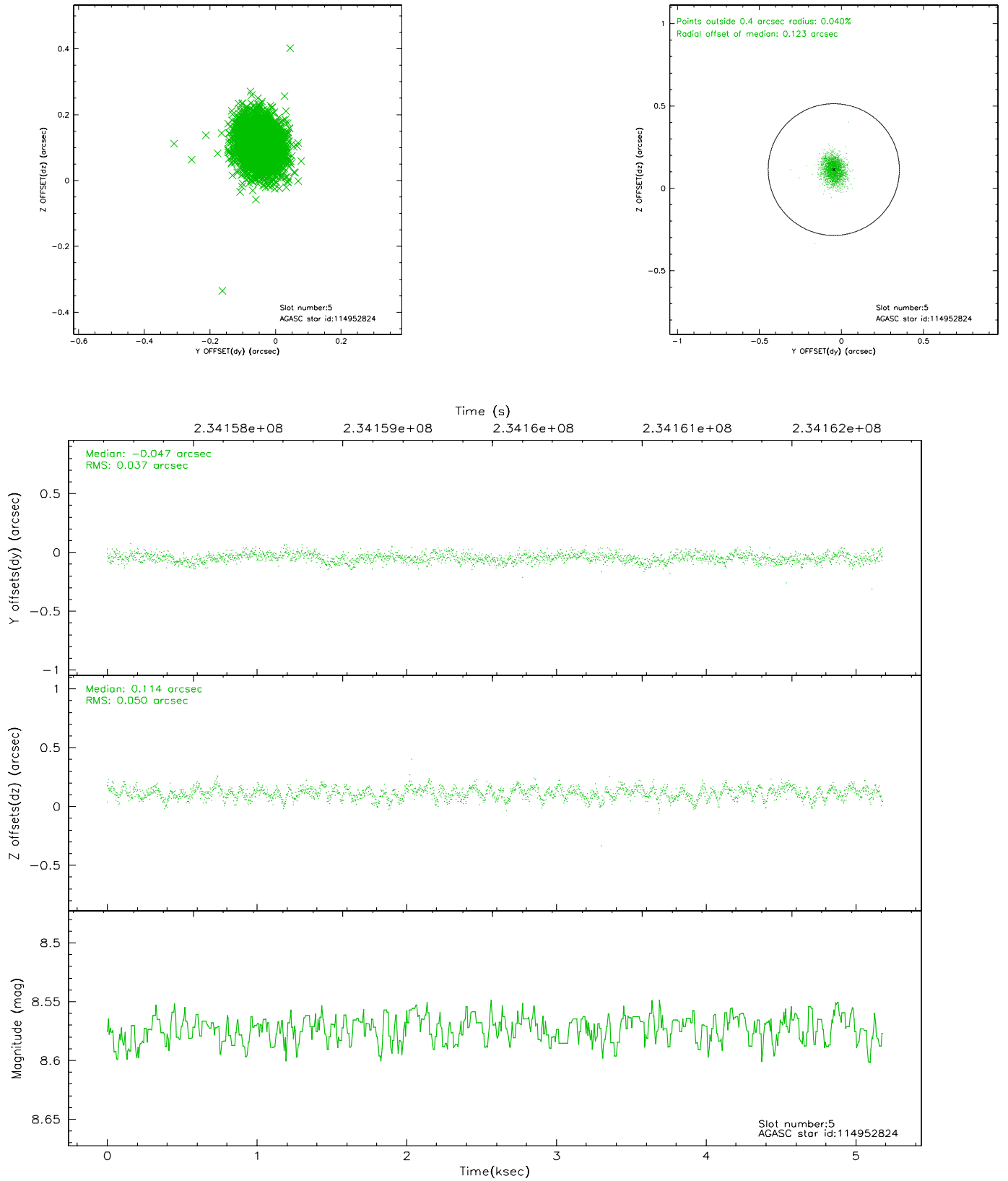
2.4.1 Slot 3



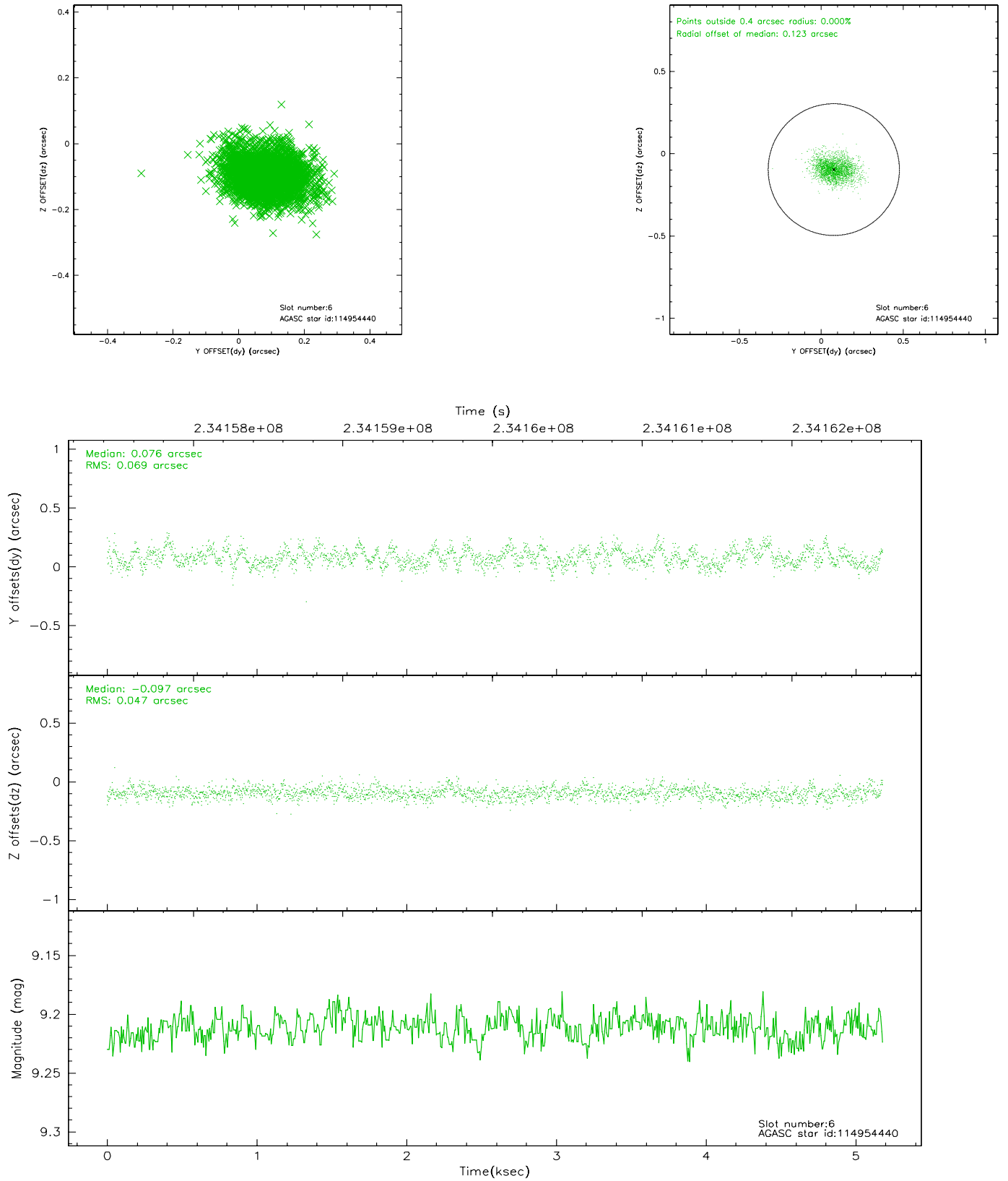
2.4.2 Slot 4



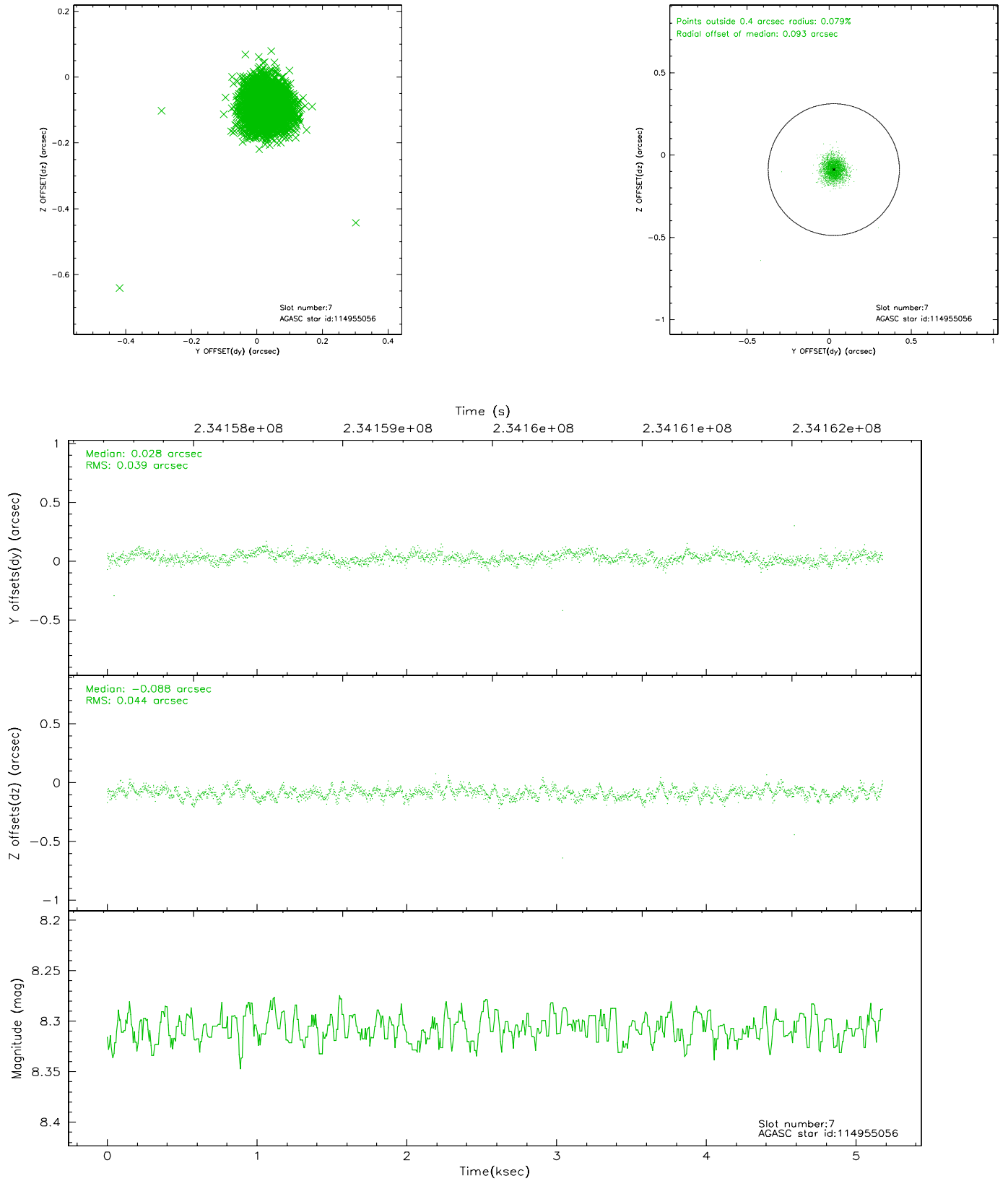
2.4.3 Slot 5



2.4.4 Slot 6

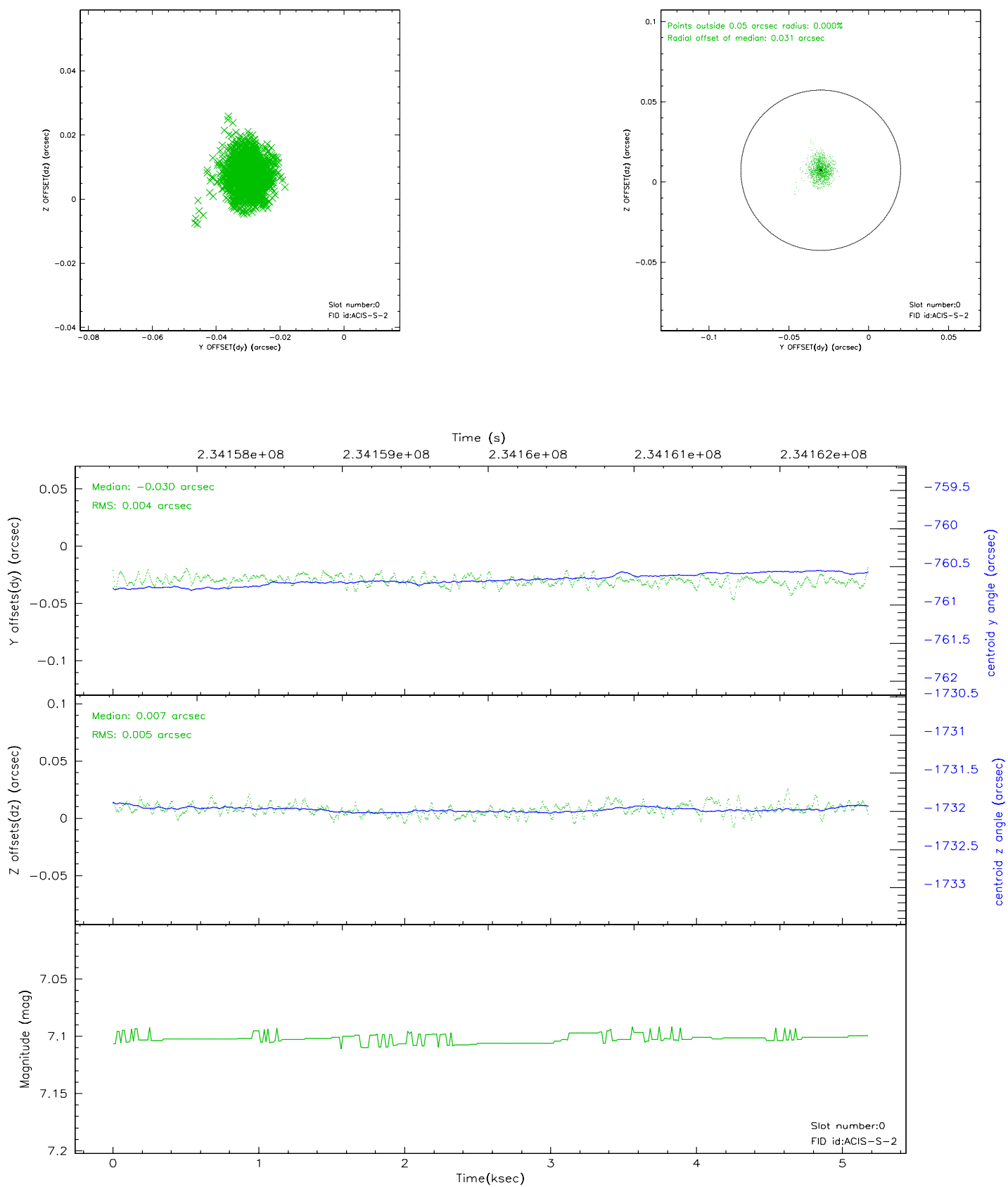


2.4.5 Slot 7

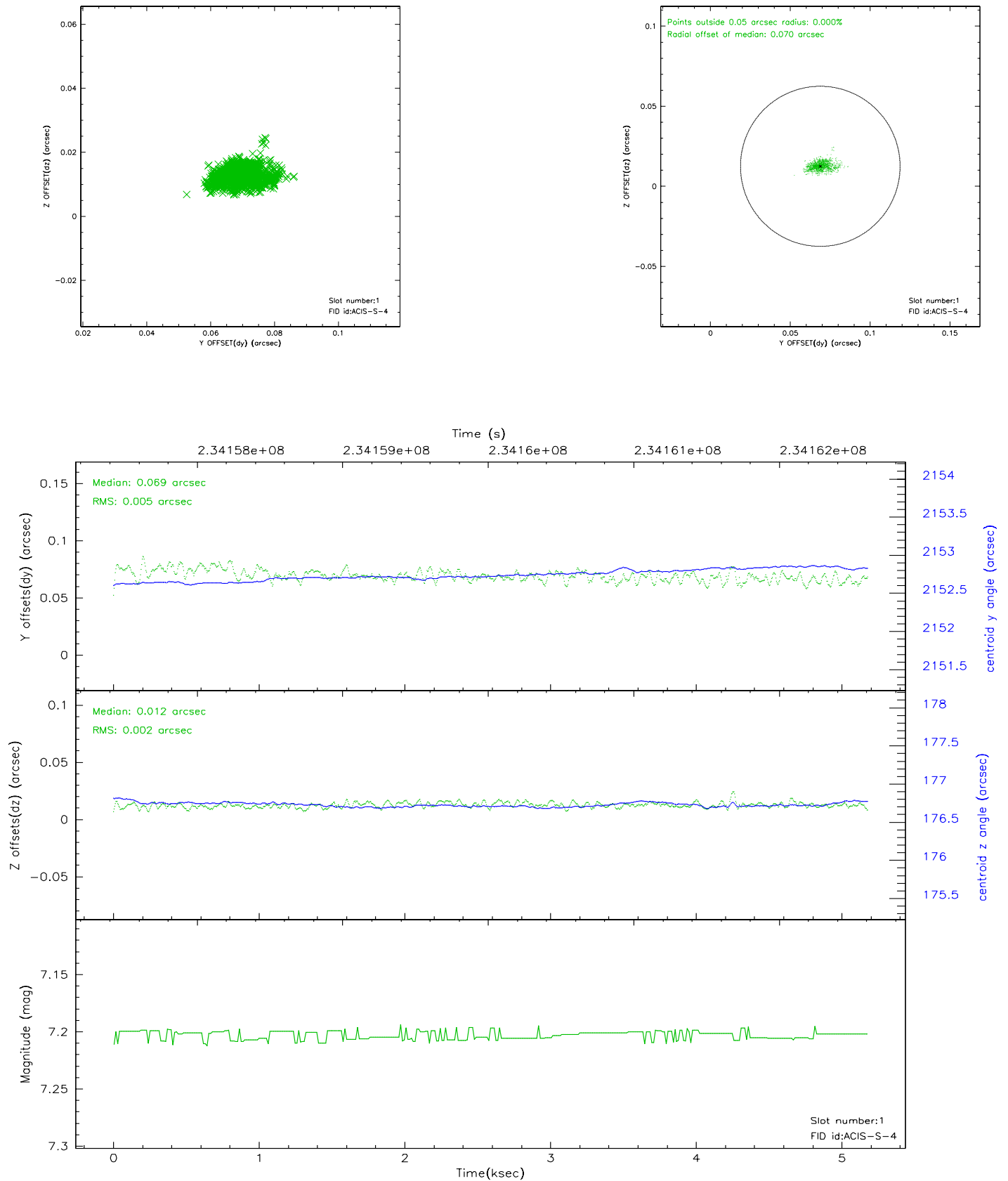


2.5 FID Slots

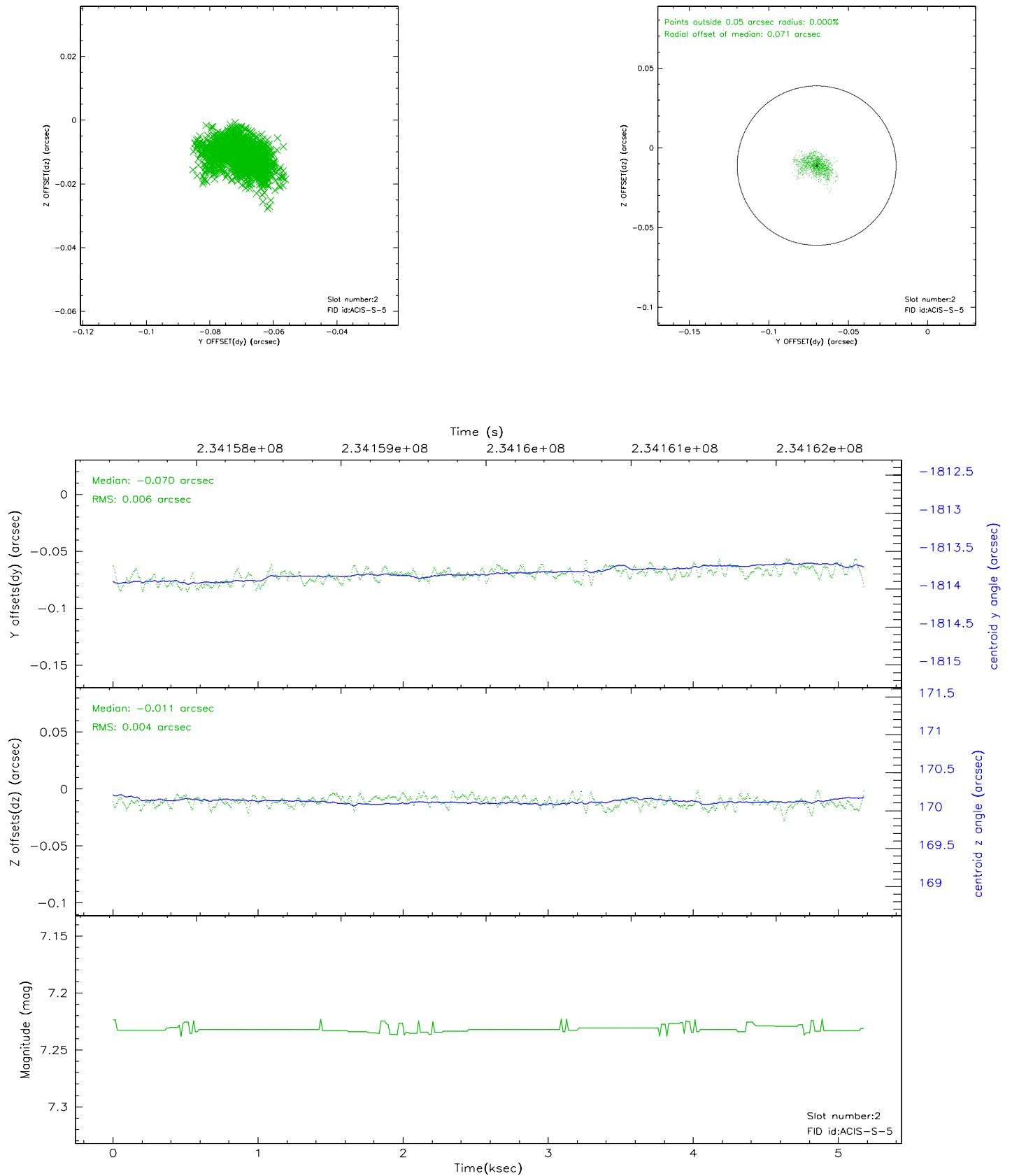
2.5.1 Slot 0



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)	2006.03.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1796

A.2 Comments

Window constraint satisfied.