

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 6136 - L2 Version 003
Chandra X-Ray Center

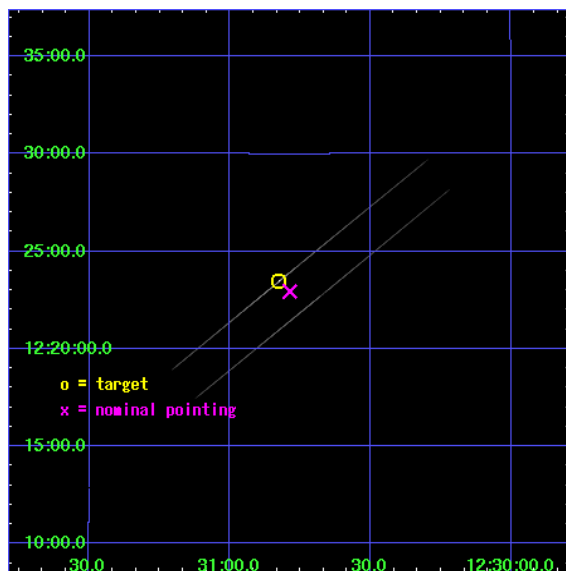
L2 Processing Date : Sep 15 2006

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
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

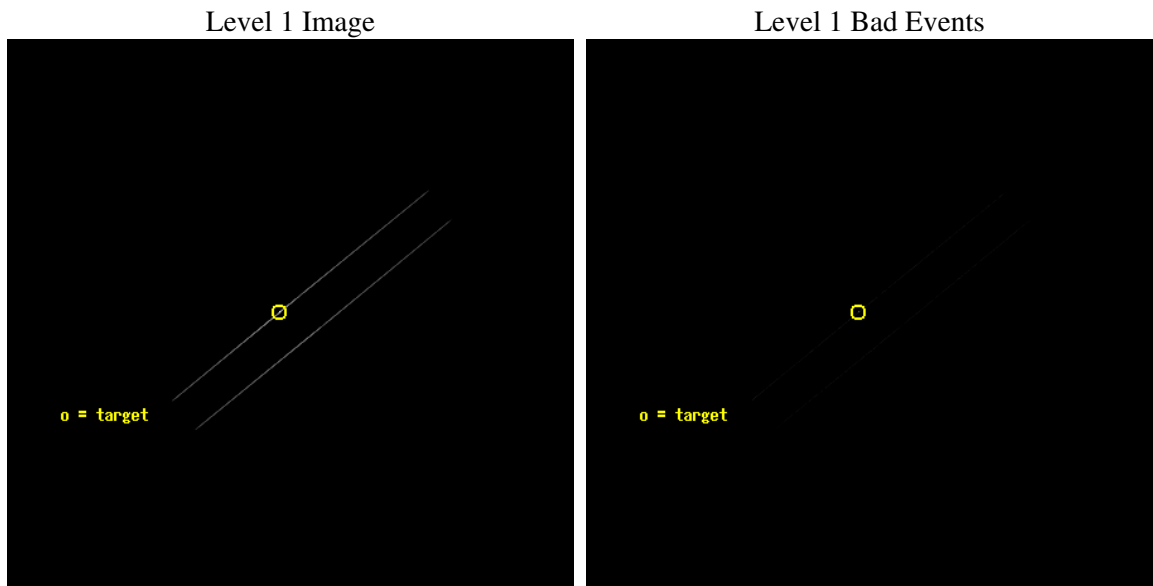
seq_num	800539
obs_id	6136
title	The History of AGN Activity in M87 and the Interaction of Nuclear Outbursts with the Surrounding Atmosphere
observer	Dr. William Forman
object	M87
ra_targ	187.70625
dec_targ	12.391111
ra_nom	187.69666225894
dec_nom	12.382408025295
roll_nom	231.02409188629
revision	3
ontime	3976.5
livetime	3960.966796875
ontime0	3976.5
ontime1	3976.5
ontime2	3976.5
ontime3	3976.5
l2events	173314



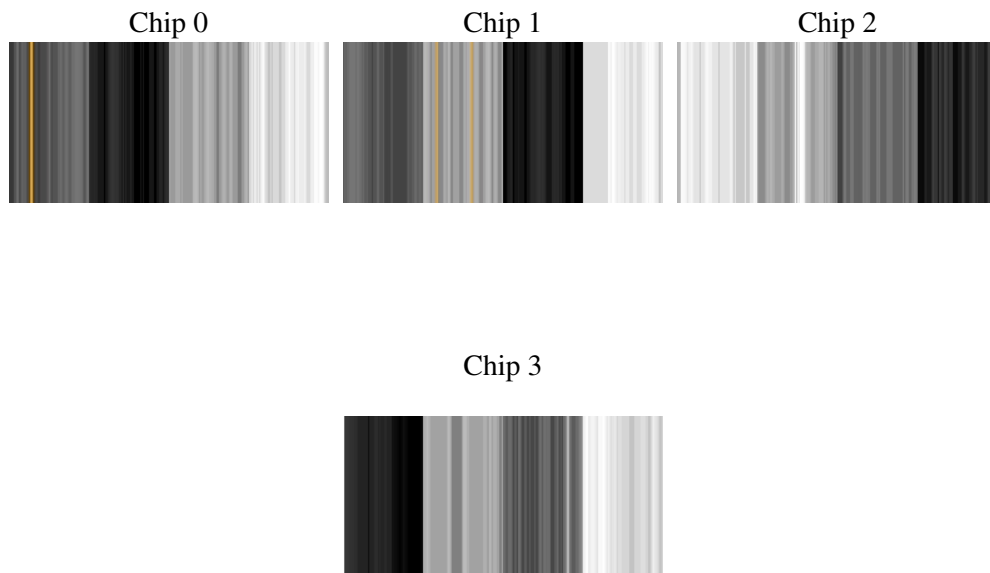
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-15T19:10:39
revision	3

sched_exp_time	3828.052000
ontime	3979.2100582421
ontime0	3979.1971589923
ontime1	3979.2099580765
ontime2	3979.1973163188
ontime3	3979.2100582421
l1events	187169

2.1.4 Events

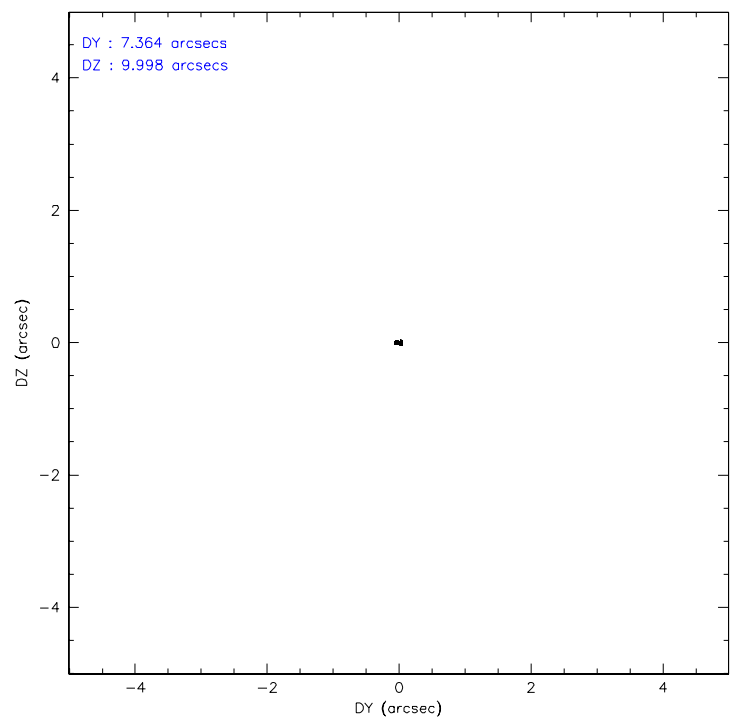
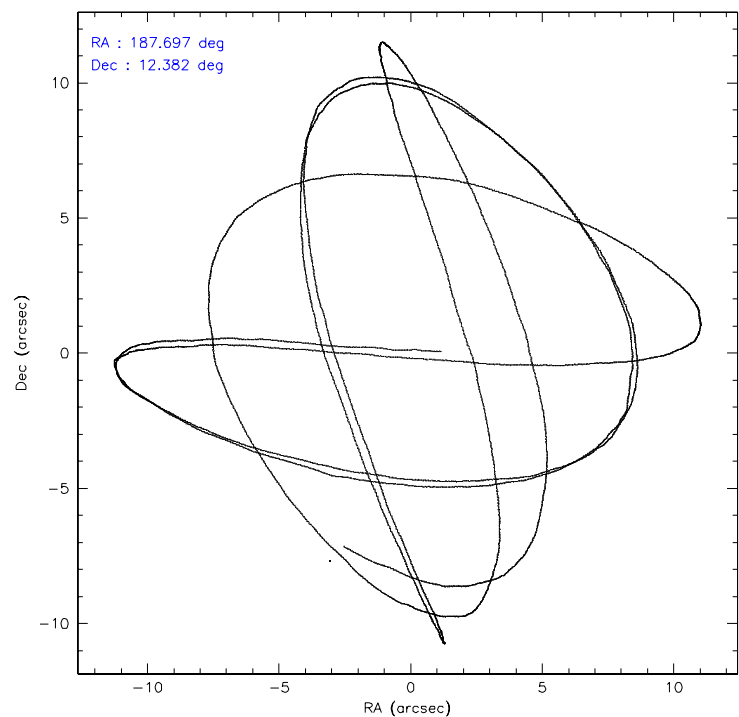
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23572	30953	39277	93367
rejected events	1072	1187	1079	1690
rejected %	4%	3%	2%	1%

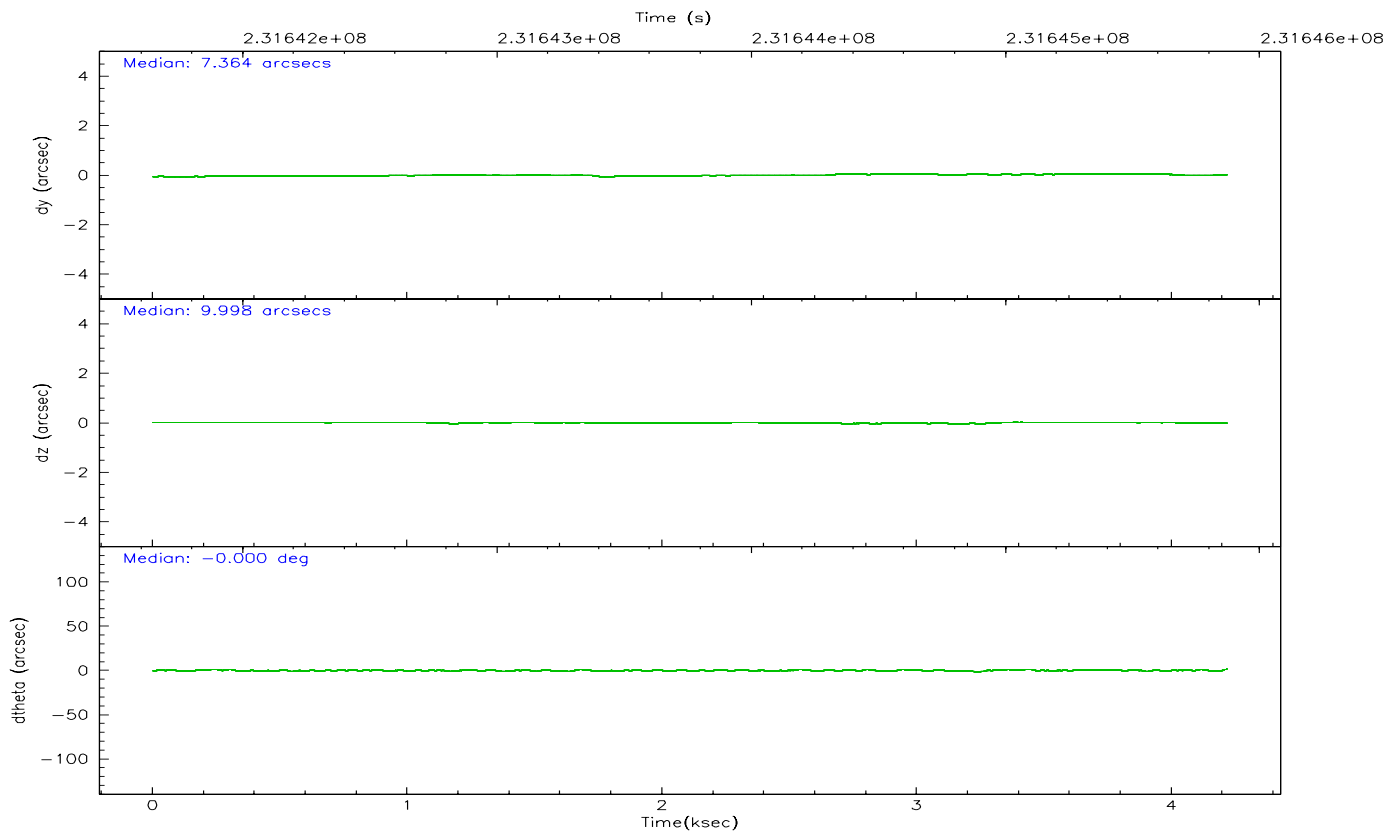
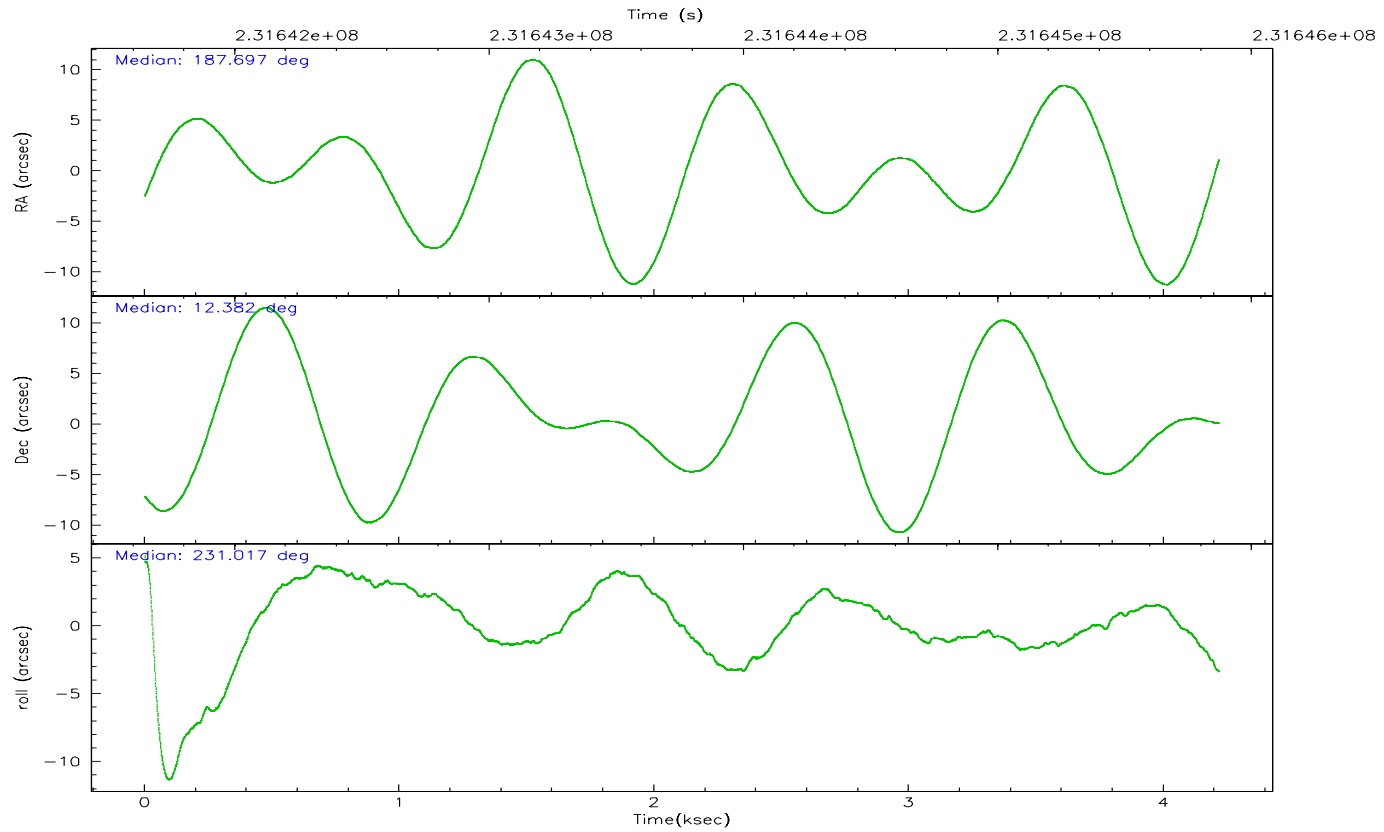
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	4118	5466	4867	7226
	17%	17%	12%	7%
grade 1 events	29	32	34	44
	0%	0%	0%	0%
grade 2 events	15161	20619	29483	77703
	64%	66%	75%	83%
grade 3 events	746	718	677	968
	3%	2%	1%	1%
grade 4 events	741	714	701	871
	3%	2%	1%	0%
grade 5 events	1028	1123	1027	1584
	4%	3%	2%	1%
grade 6 events	1749	2278	2488	4971
	7%	7%	6%	5%
grade 7 events	0	3	0	0
	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	187.700928	187.696662258937	Subarray requested	NONE	NONE
Pointing Dec	12.409538	12.38240802529507	Alternating exposures requested	N	N
Pointing Roll	230.814479	231.0240918862901	Primary exposure time	0.000000	0
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-231.592463	-231.5960967419932			
SIM translation stage offset (mm)	-2	-1.996356260936523			
Observation start time	231642041.184000	231641458.99748			
Observation start date	2005-05-05T00:59:37	2005-05-05T00:50:58			
Observation end time	231645869.184000	231646105.32269			
Observation end date	2005-05-05T02:03:25	2005-05-05T02:08:25			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



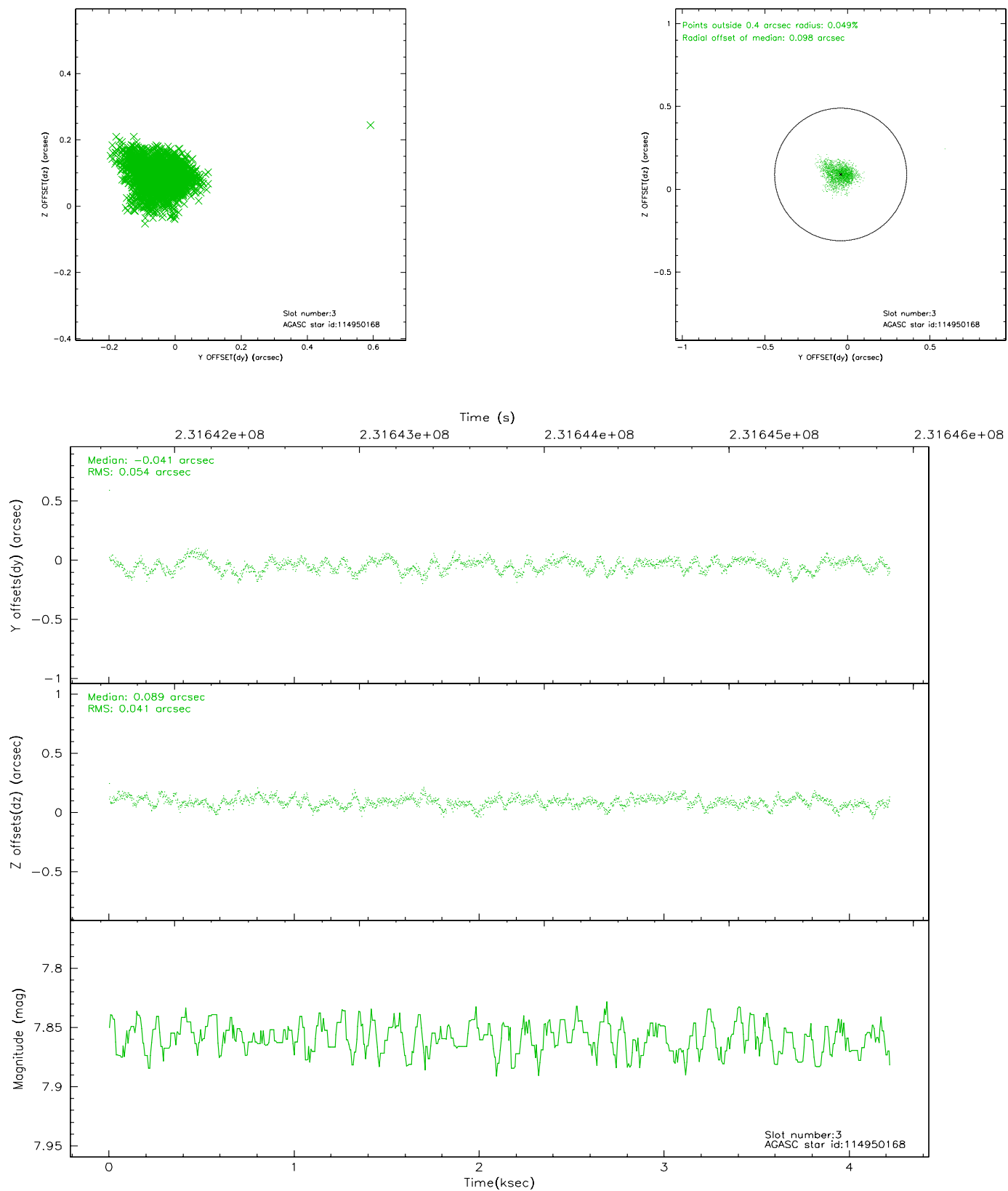


Slot Statistics

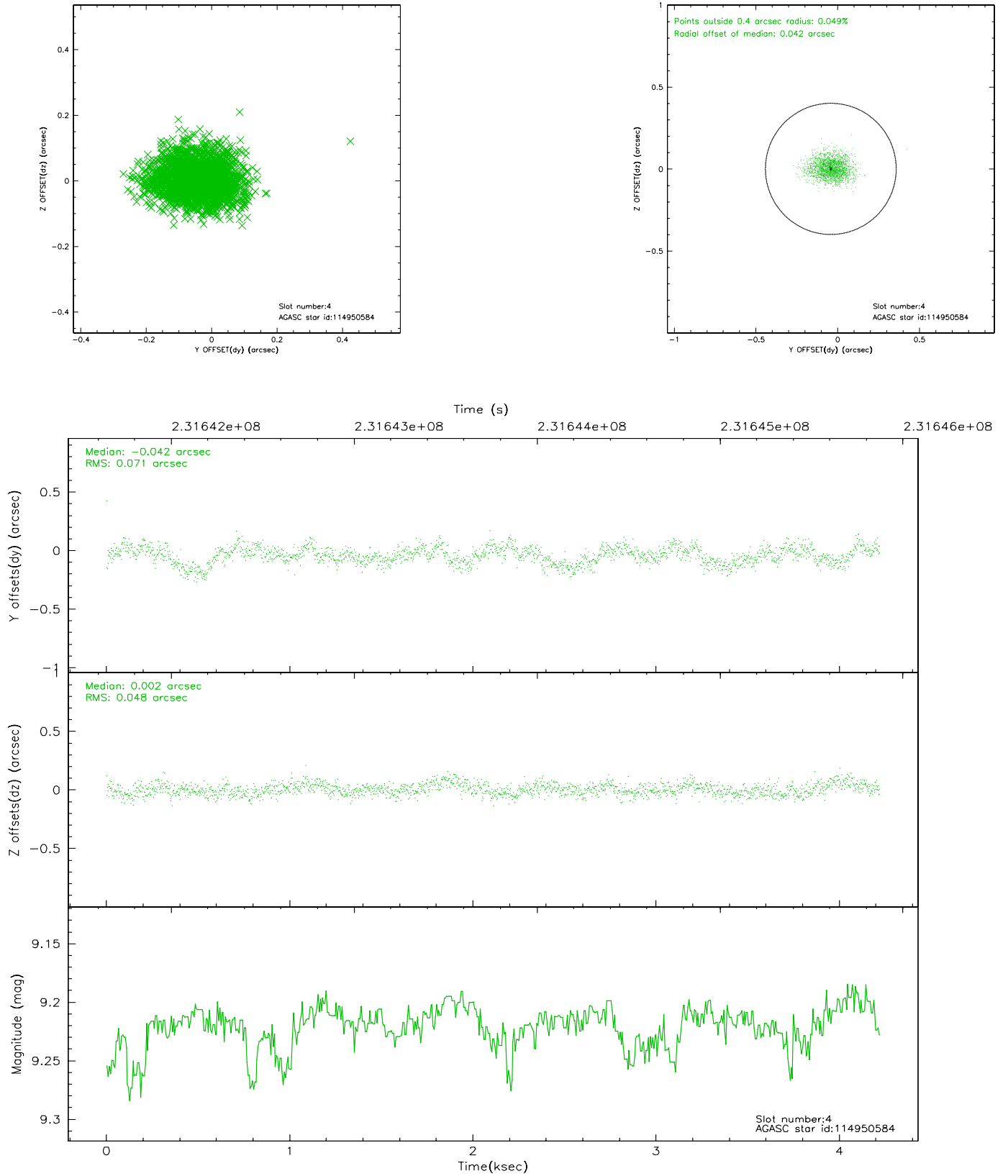
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1029	0.016	0.005	0.006	0.011	0.000000	0.000000	932.26	-874.39
1	FID	ACIS-I-5	7.23	1029	-0.164	0.035	0.006	0.011	0.000000	0.000000	-1815.15	1022.43
2	FID	ACIS-I-6	7.25	1029	0.056	0.030	0.007	0.011	0.000000	0.000000	396.32	1668.54
3	GUIDE	114950168	7.86	2059	-0.041	0.089	0.071	0.116	187.143398	12.117441	2053.66	-857.69
4	GUIDE	114950584	9.22	2058	-0.042	0.002	0.092	0.149	187.487323	11.827248	2101.27	740.52
5	GUIDE	114952824	8.58	2059	-0.017	0.117	0.062	0.101	187.703904	12.486727	-220.69	-167.31
6	GUIDE	114954440	9.20	2057	0.079	-0.097	0.097	0.156	186.915066	12.219118	2275.38	-1712.25
7	GUIDE	114955056	8.31	2057	0.025	-0.110	0.072	0.115	187.914001	12.127854	313.07	1220.70

2.4 Star Slots

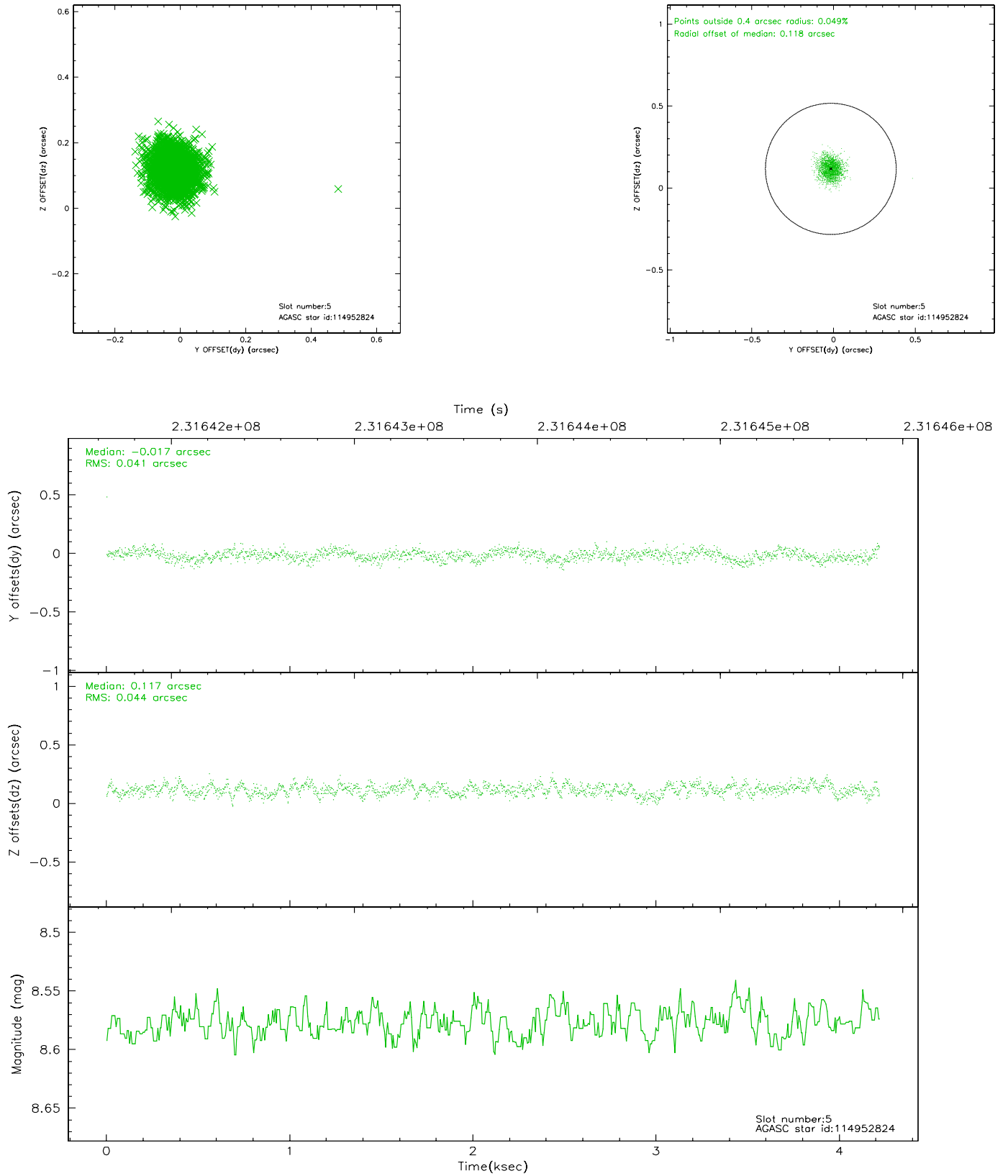
2.4.1 Slot 3



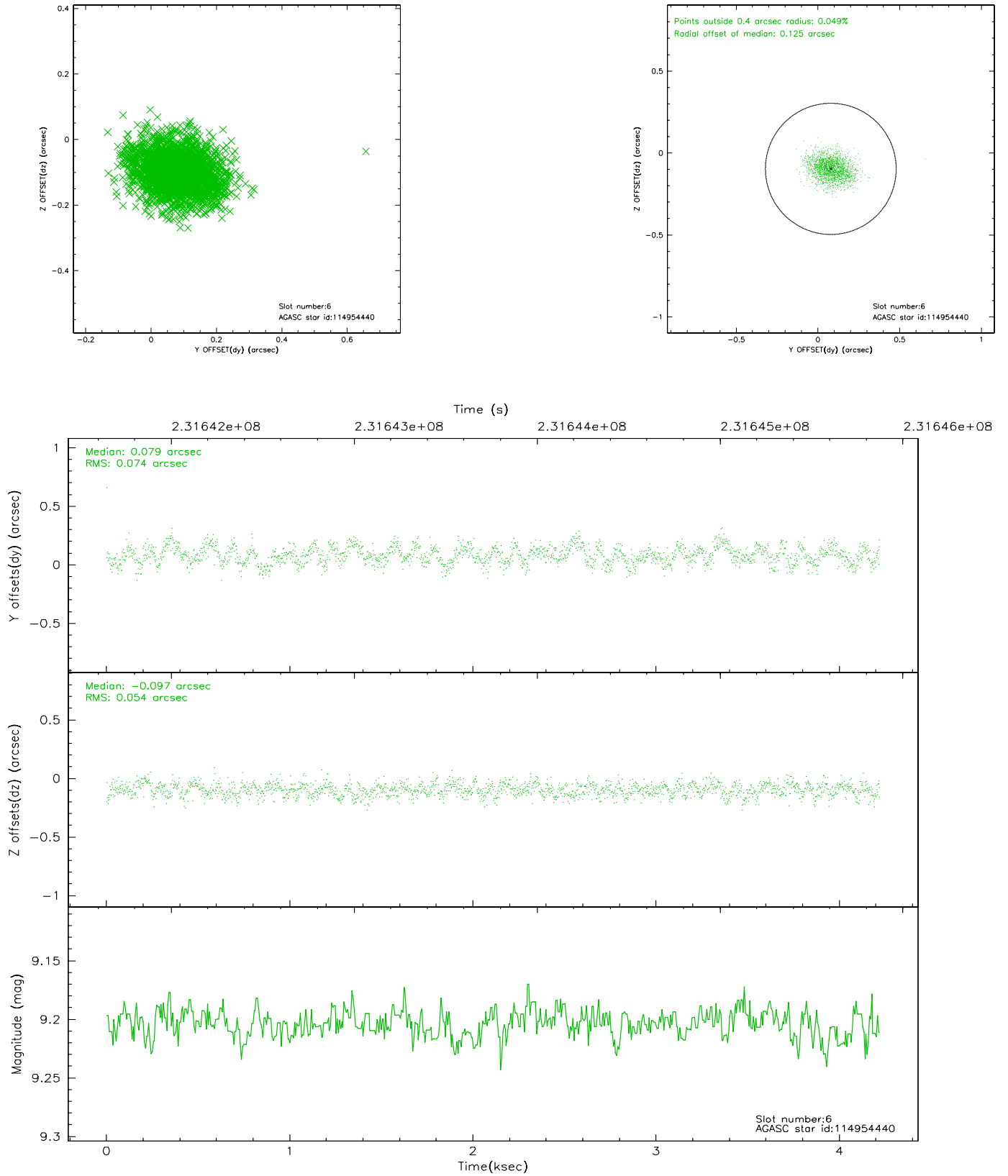
2.4.2 Slot 4



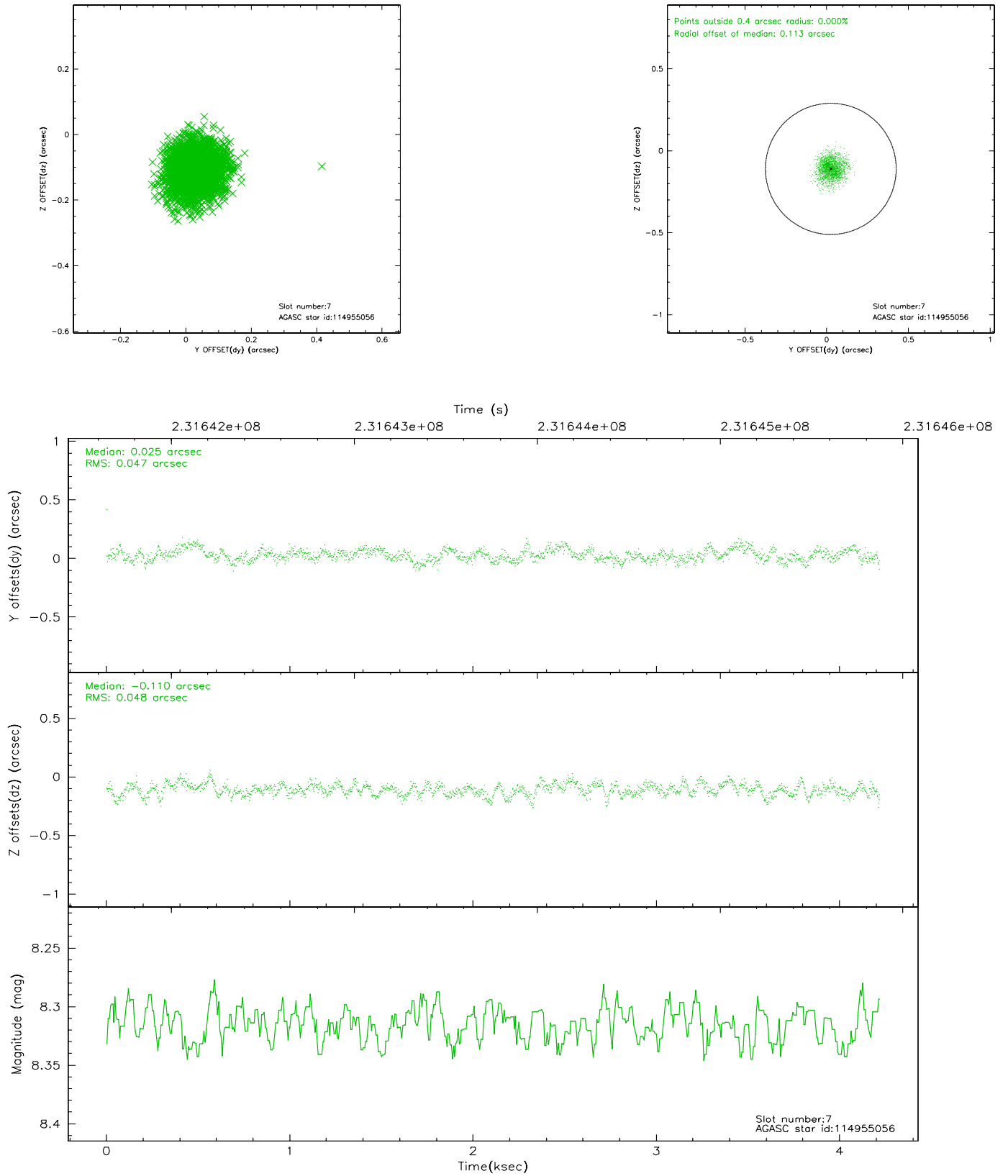
2.4.3 Slot 5



2.4.4 Slot 6

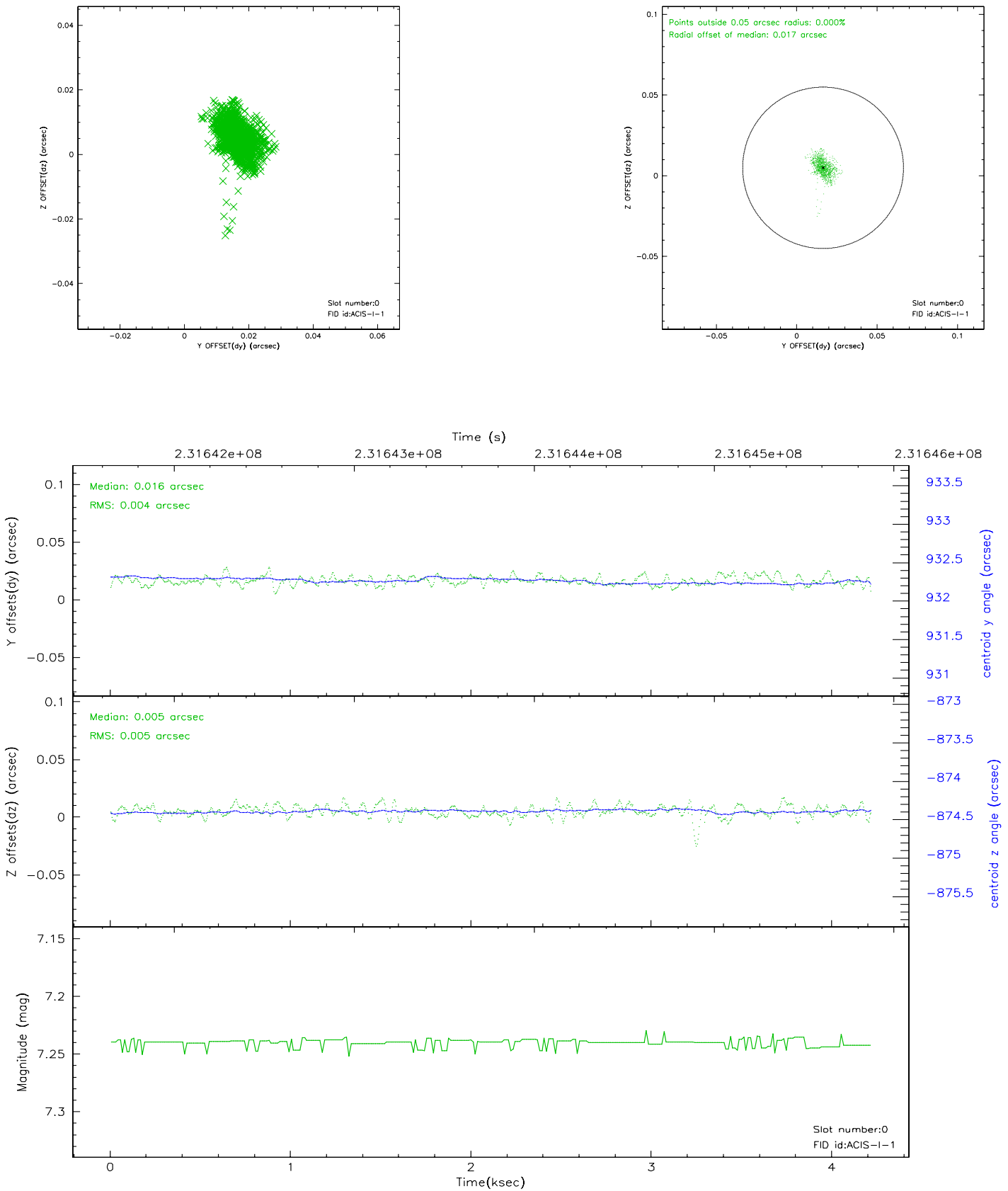


2.4.5 Slot 7

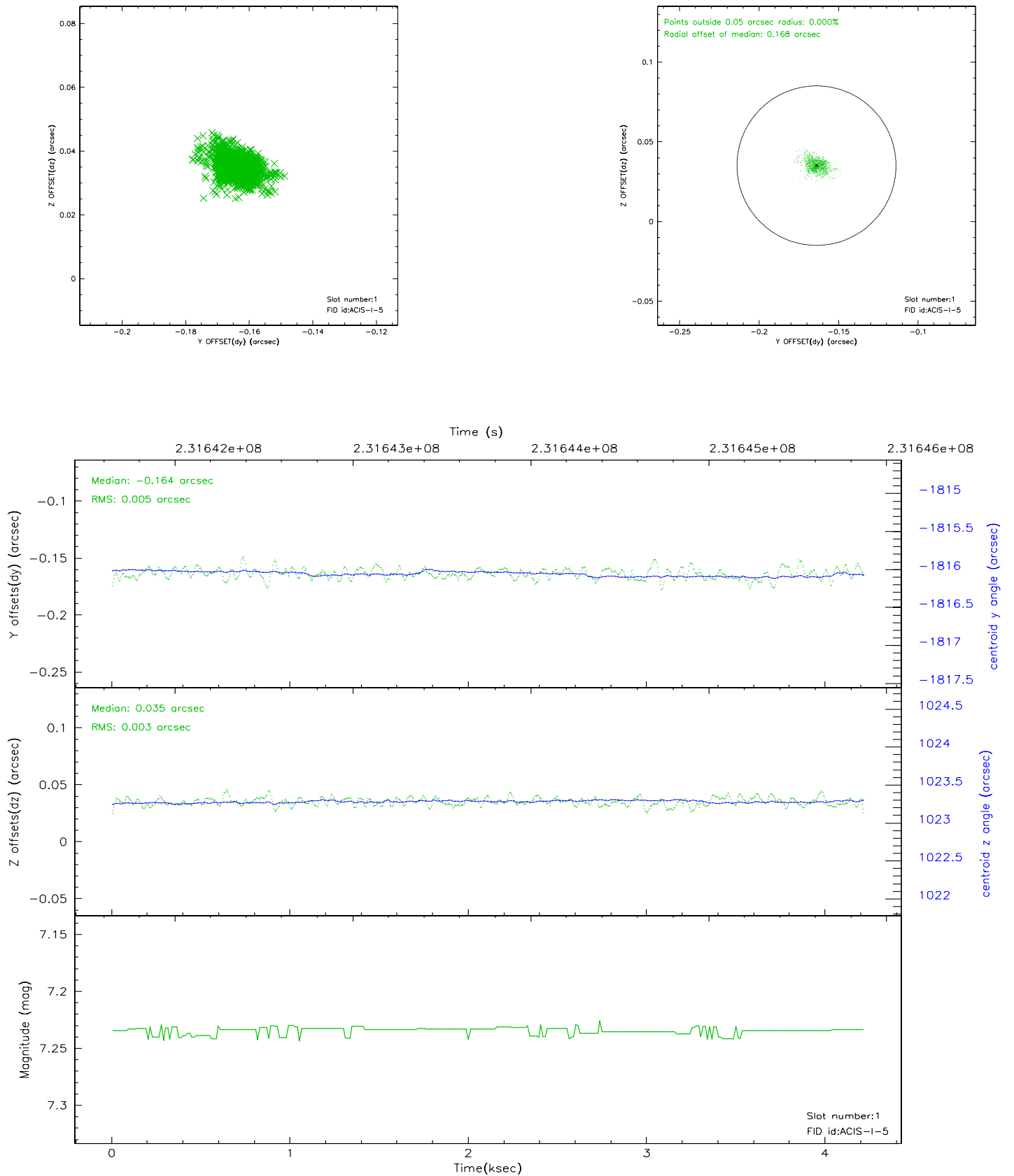


2.5 FID Slots

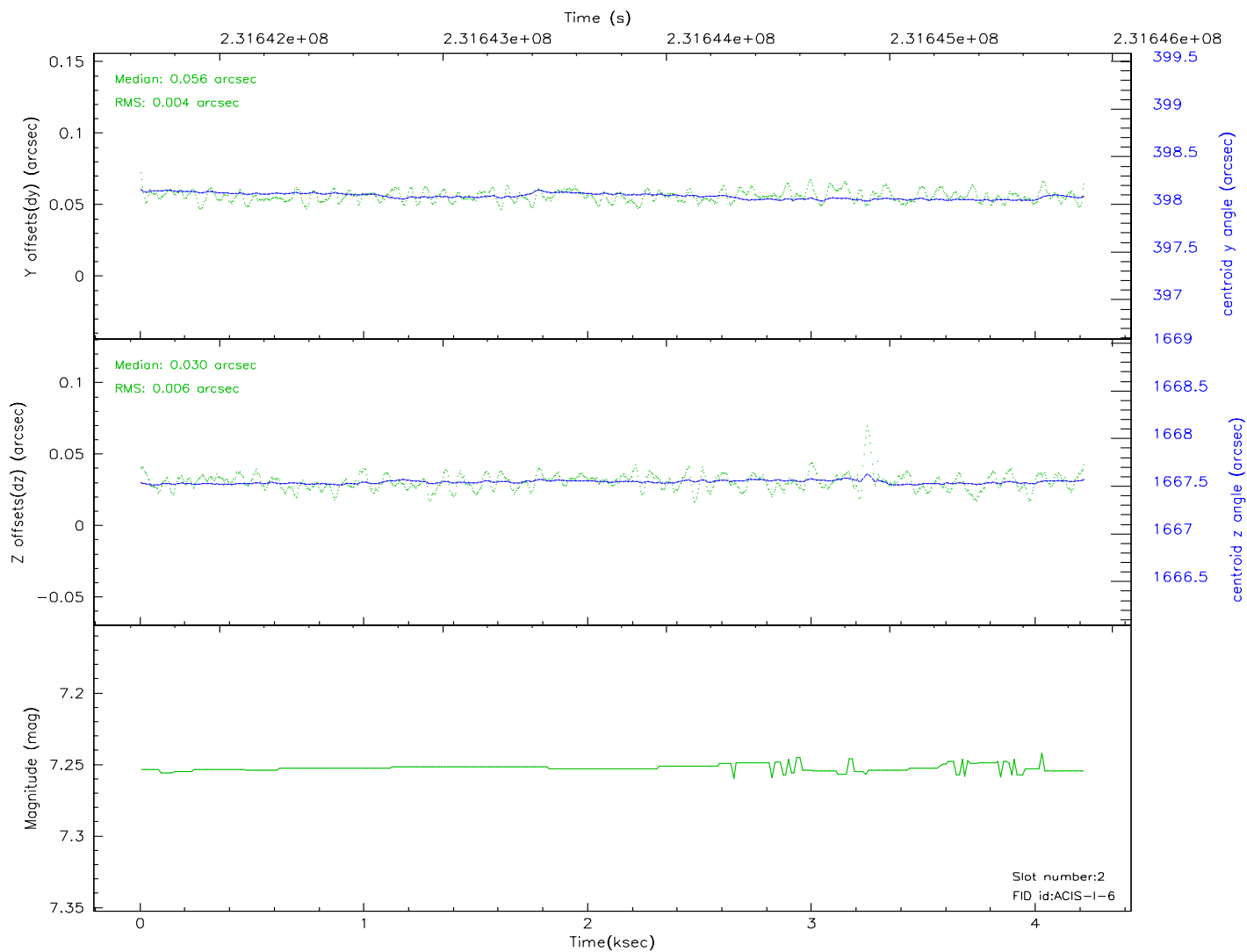
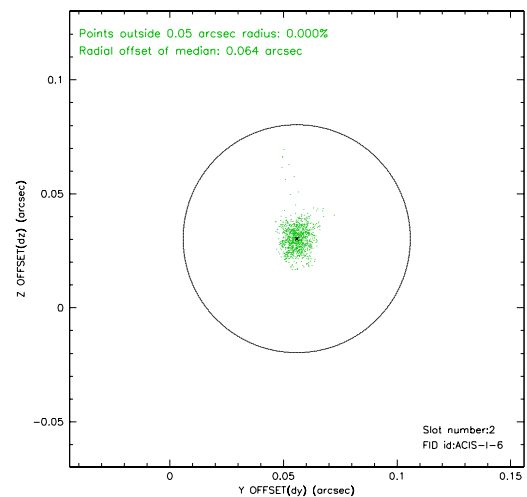
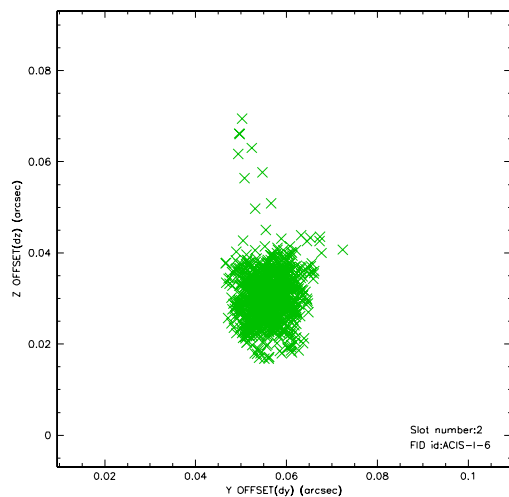
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.9765

A.2 Comments