

V&V Reference Report

L2 ASCDS Version : 8.3.2

Observation 279 - L2 Version 5

Chandra X-Ray Center

L2 Processing Date : Aug 16 2010

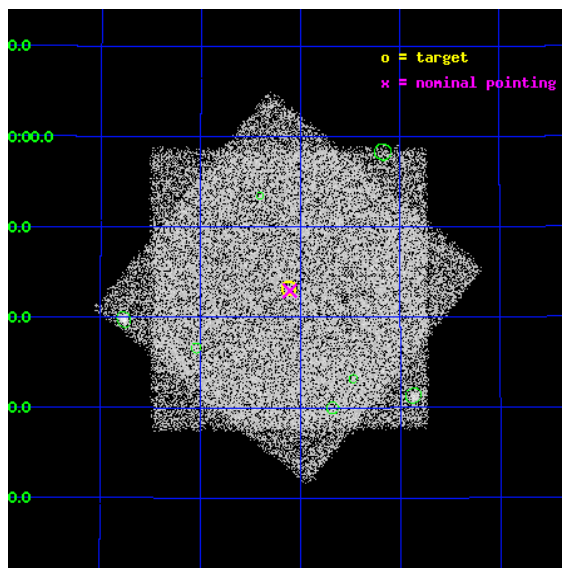
Contents

1	Front	3
2	OBI	4
2.1	OBI	4
2.1.1	Images	4
2.1.2	Parameters	5
2.1.3	Events	5
2.2	Compared Parameters	6
2.3	Aspect	7
2.4	Star Slots	10
2.4.1	Slot 3	10
2.4.2	Slot 4	11
2.4.3	Slot 5	12
2.4.4	Slot 6	13
2.4.5	Slot 7	14
2.5	FID Slots	15
2.5.1	Slot 0	15
2.5.2	Slot 1	16
2.5.3	Slot 2	17
3	OBI	18
3.1	OBI	18
3.1.1	Images	18
3.1.2	Parameters	19
3.1.3	Events	19
3.2	Compared Parameters	20
3.3	Aspect	21
3.4	Star Slots	24
3.4.1	Slot 3	24
3.4.2	Slot 4	25
3.4.3	Slot 5	26
3.4.4	Slot 6	27
3.4.5	Slot 7	28
3.5	FID Slots	29

3.5.1	Slot 0	. . . . .	29
3.5.2	Slot 1	. . . . .	30
3.5.3	Slot 2	. . . . .	31
4	Point Sources		32
A	Summary		33
A.1	Status	. . . . .	33
A.2	Comments	. . . . .	33

1 Front

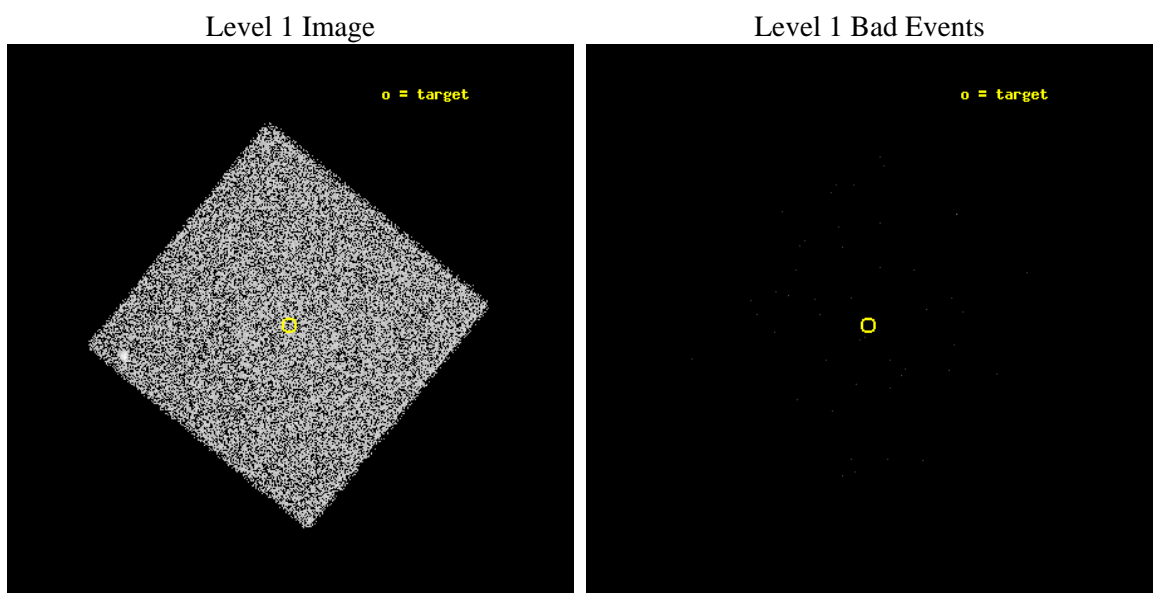
seq_num	600039	Sequence number
obs_id	279	Observation id
title	MONITORING M31	Proposal title
observer	Dr Steve Murray	Principal investigator
object	M31 - North 1	Source name
ra_targ	11.029167	Observer's specified target RA
dec_targ	41.721111	Observer's specified target Dec
ra_nom	11.026003548468	Nominal RA
dec_nom	41.71585883575	Nominal Dec
roll_nom	264.22340658654	Nominal Roll
revision	5	Processing version of data
ontime	2699.3375980482	[s]
livetime	2683.8779567747	Ontime multiplied by DTCOR
l2events	73077	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	Scheduled observation exposure time
ascdsver	8.3.2	Processing system revision	ontime	1275.3562961072	[s]
caldbver	4.3.0	 	l1events	58764	Number of level 1 events
date	2010-08-16T19:16:43	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

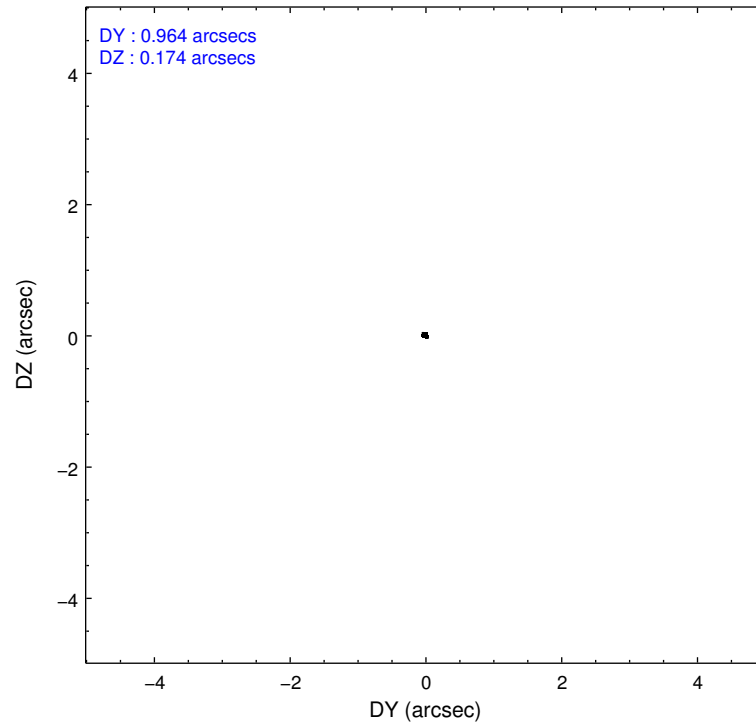
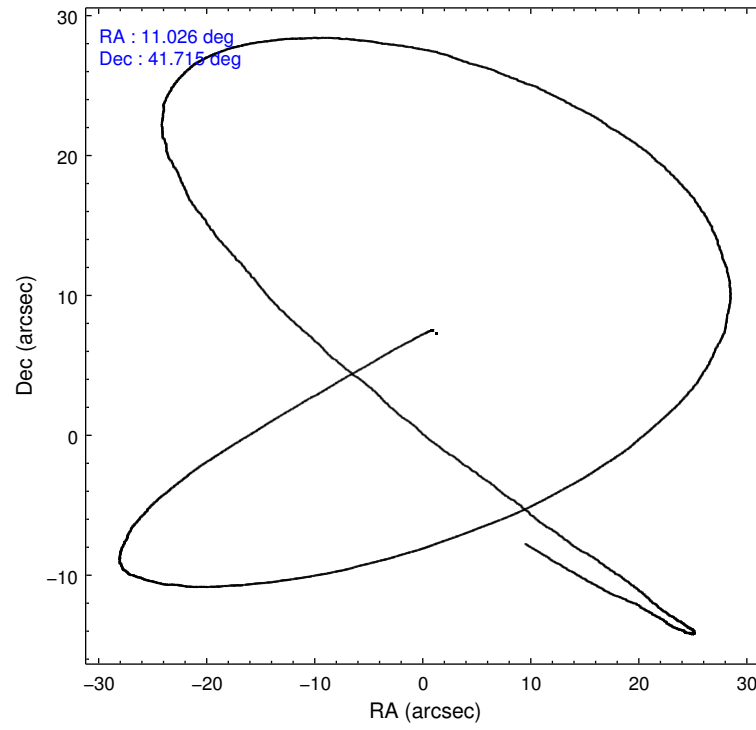
Level 1 Events

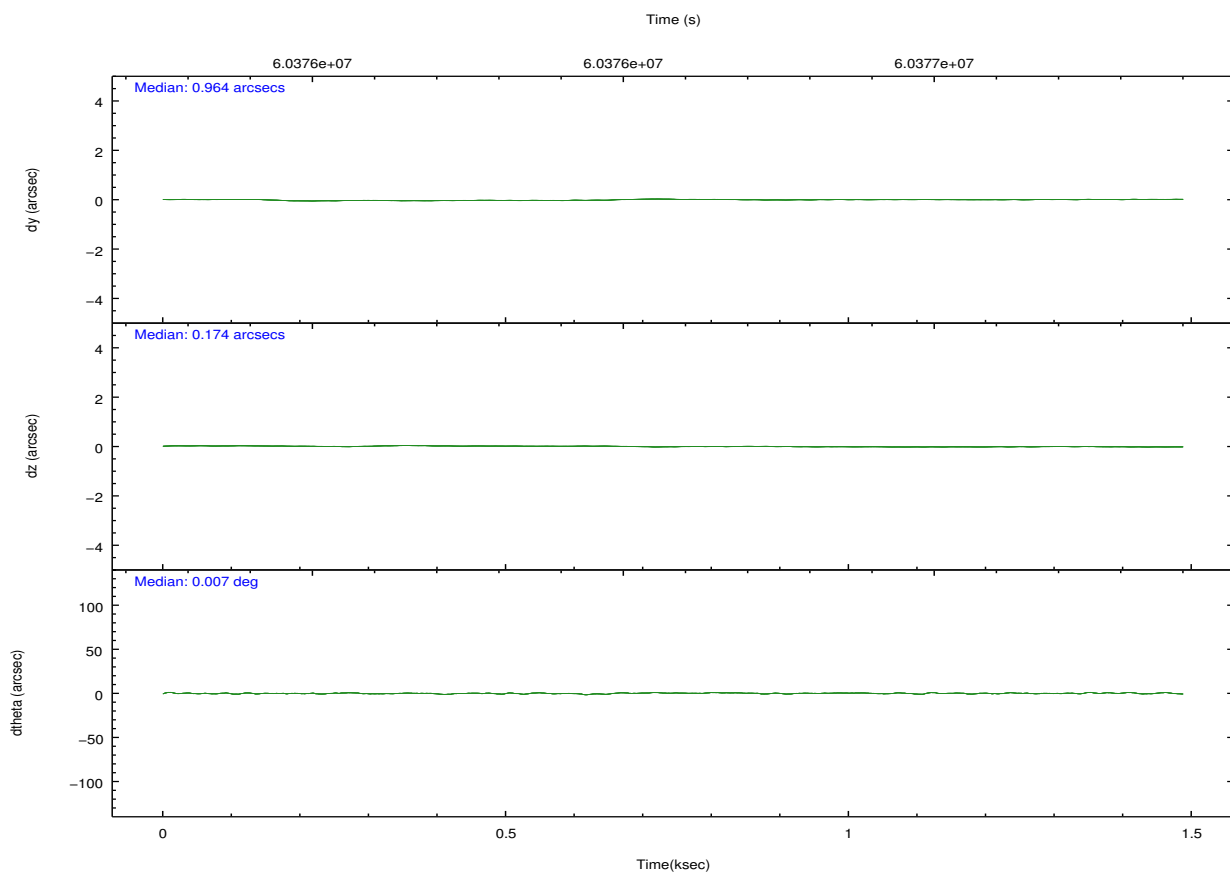
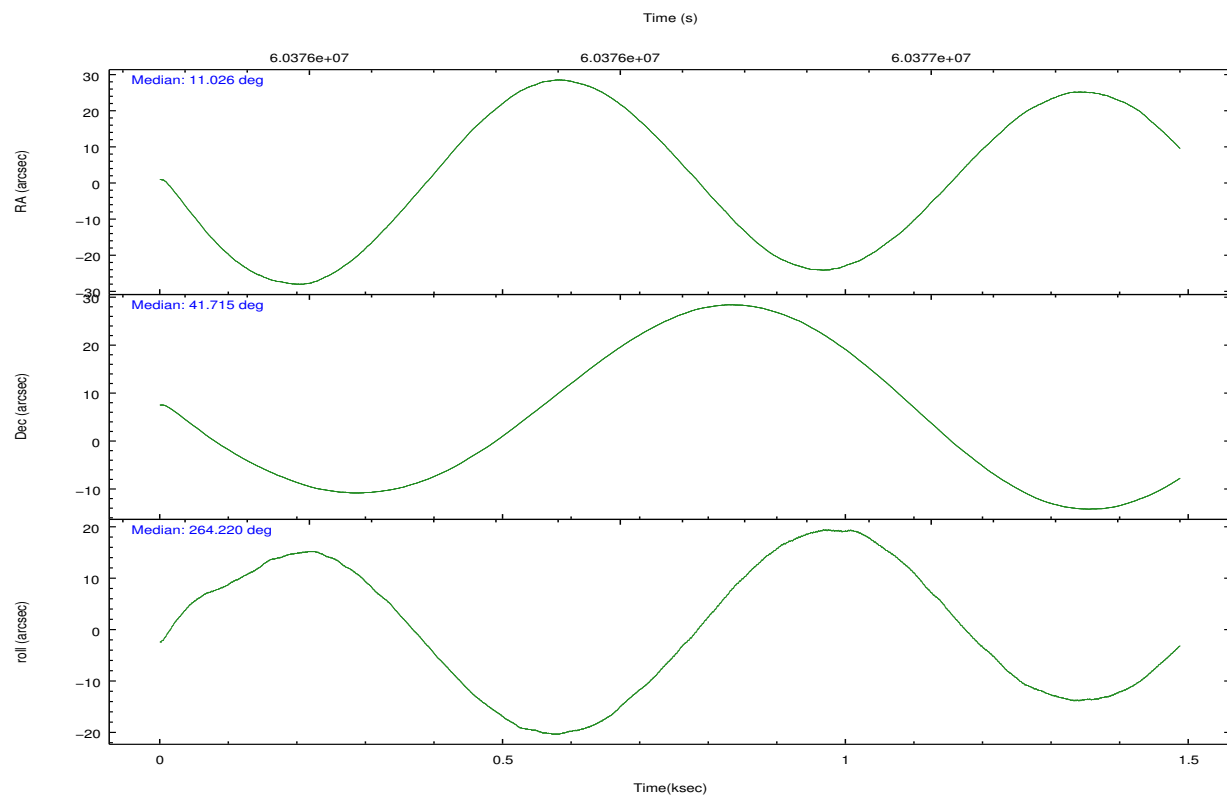
	segment 0
level 1 events	58764
rejected events	2353
rejected %	4%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	11.010843	11.02600354846762			
Pointing Dec	41.741892	41.71585883575033			
Pointing Roll	264.328982	264.2234065865434			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	60376325.184000	60375658.950258			
Observation start date	1999-11-30T19:11:01	1999-11-30T19:00:58			
Observation end time	60377325.184000	60377459.362823			
Observation end date	1999-11-30T19:27:41	1999-11-30T19:30:59			

2.3 Aspect



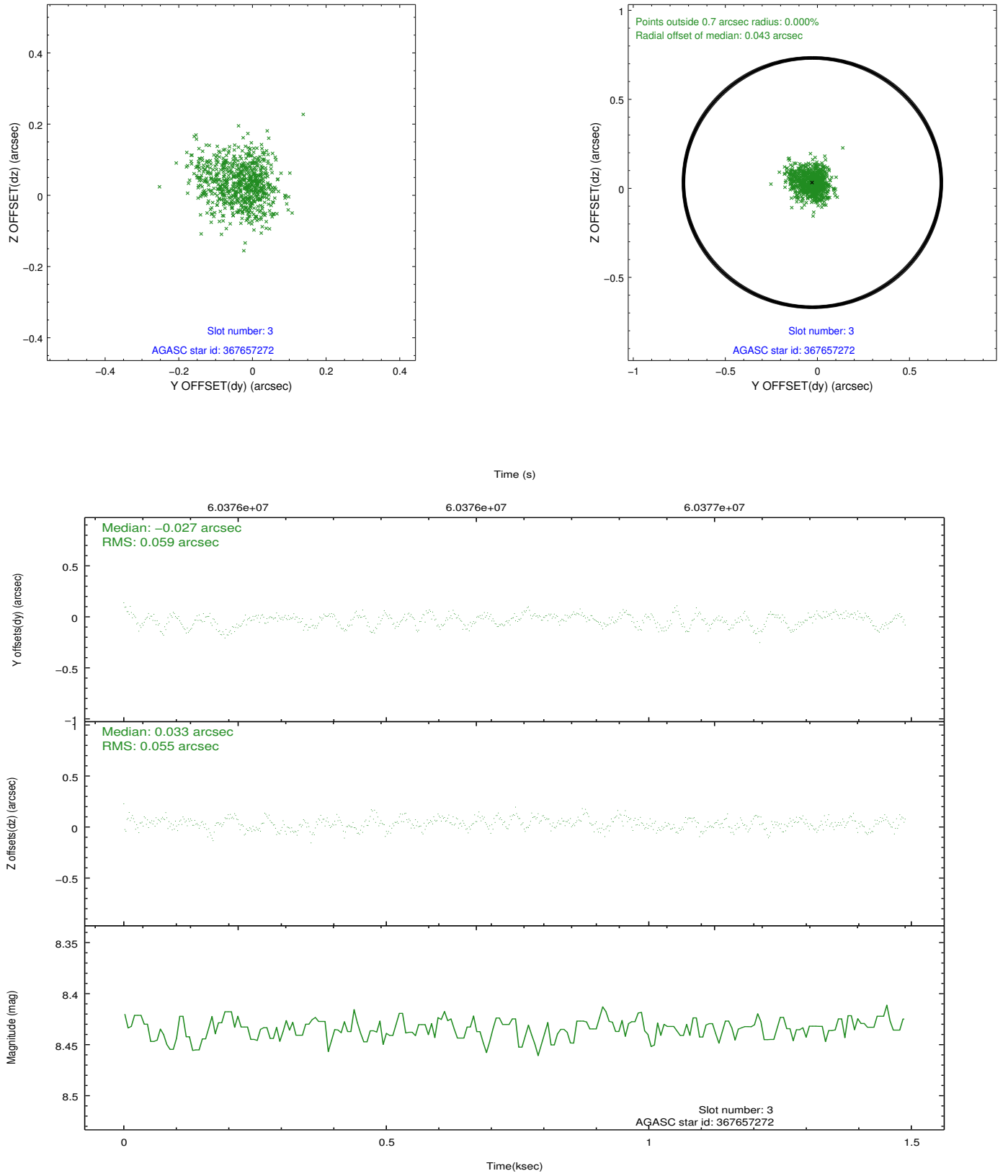


Slot Statistics

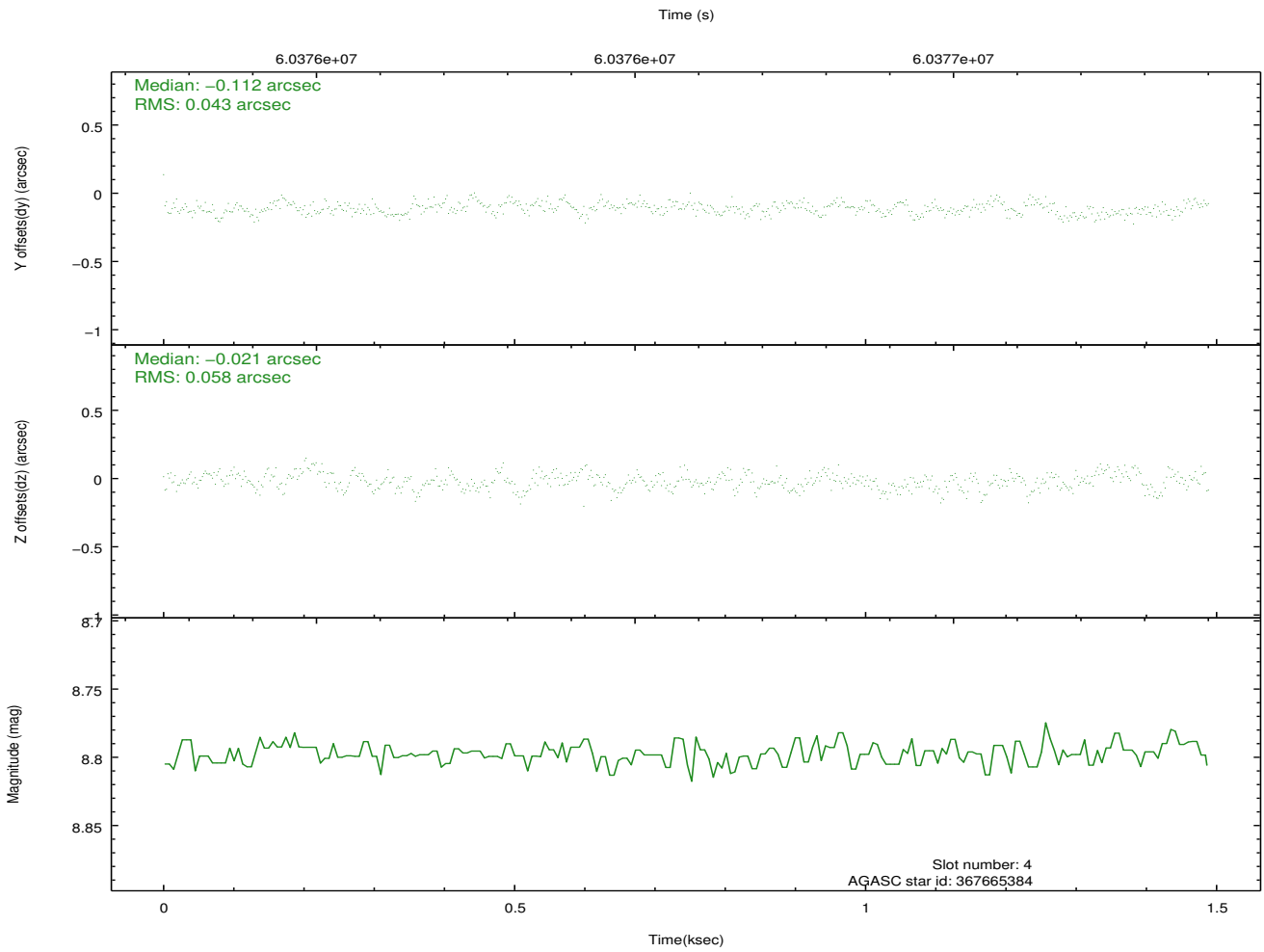
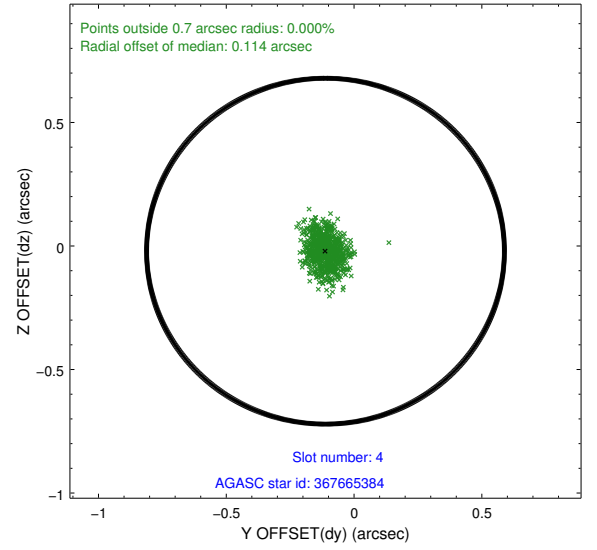
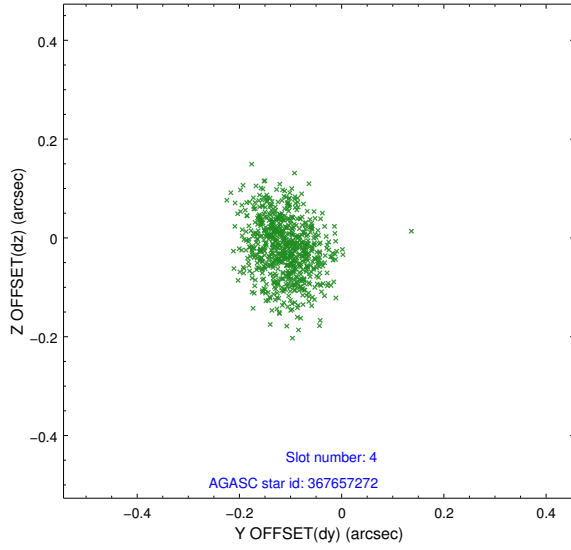
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.98	727	0.006	-0.029	0.005	0.010	0.000000	0.000000	856.29	-1289.40
1	FID	HRC-I-3	7.03	727	0.055	-0.061	0.006	0.009	0.000000	0.000000	-1183.66	1014.87
2	FID	HRC-I-4	6.97	727	0.057	0.003	0.005	0.009	0.000000	0.000000	1284.82	1015.77
3	GUIDE	367657272	8.43	727	-0.027	0.033	0.086	0.135	11.834471	41.298907	1352.49	2372.37
4	GUIDE	367665384	8.80	727	-0.112	-0.021	0.076	0.120	10.414363	42.275730	-1762.77	-1769.38
5	GUIDE	367657896	9.02	727	0.174	-0.005	0.074	0.123	11.197765	41.313576	1477.97	651.96
6	GUIDE	367670520	9.25	727	-0.073	-0.018	0.090	0.147	11.265516	42.371946	-2326.75	449.62
7	GUIDE	367658664	9.60	725	0.044	0.009	0.103	0.167	10.374070	41.369746	1490.16	-1580.42

2.4 Star Slots

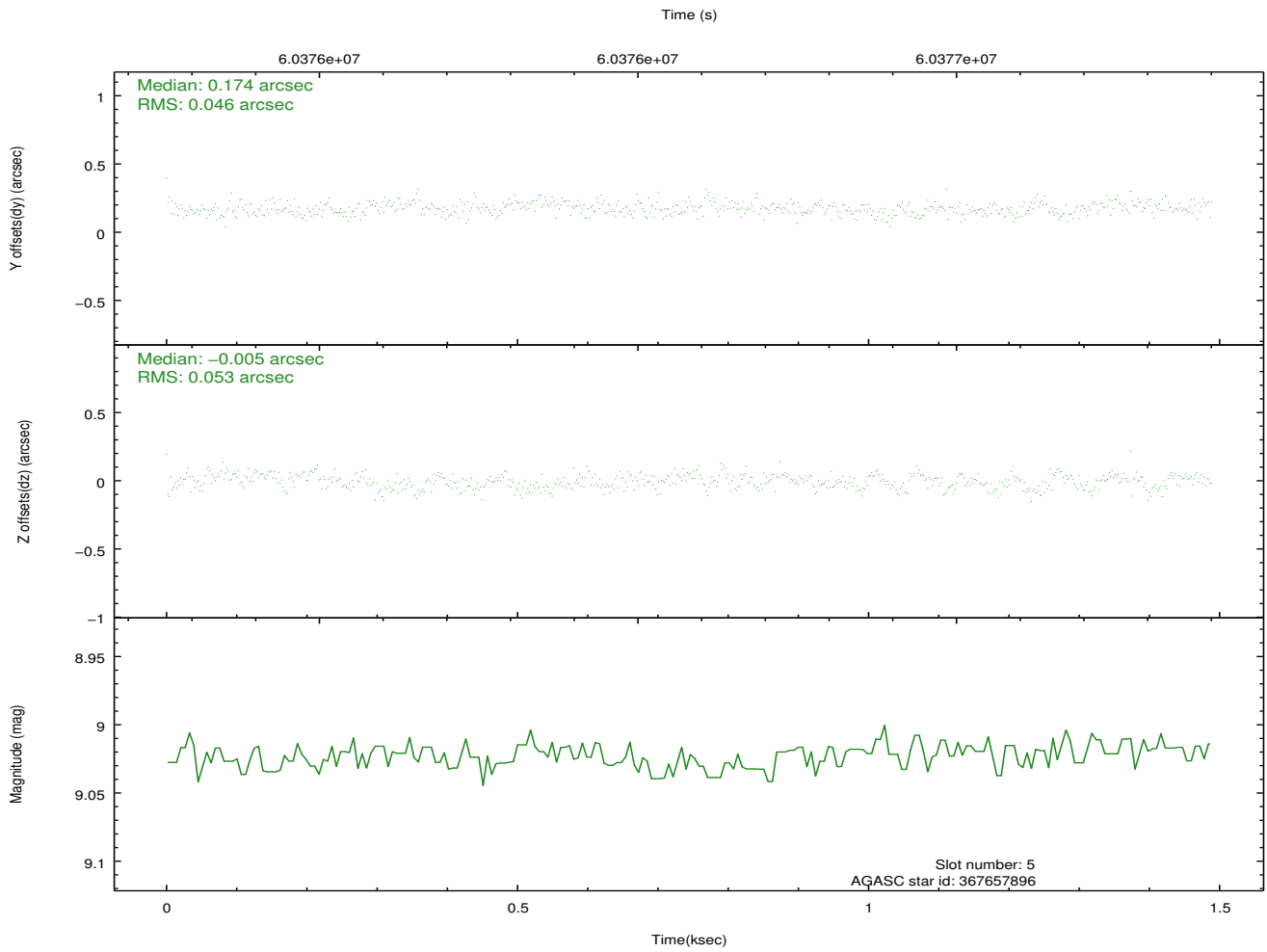
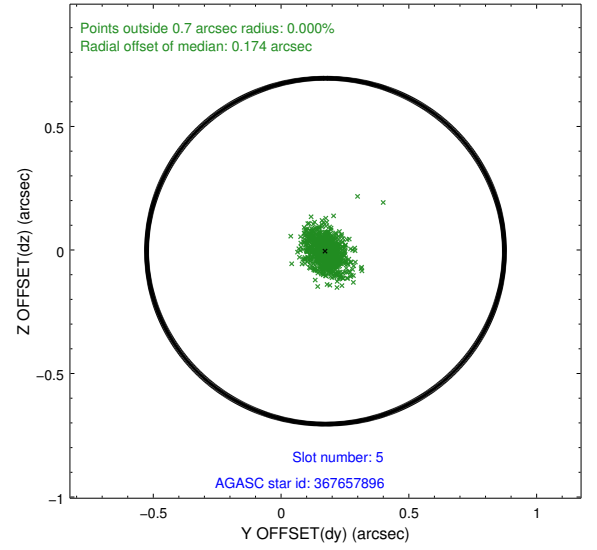
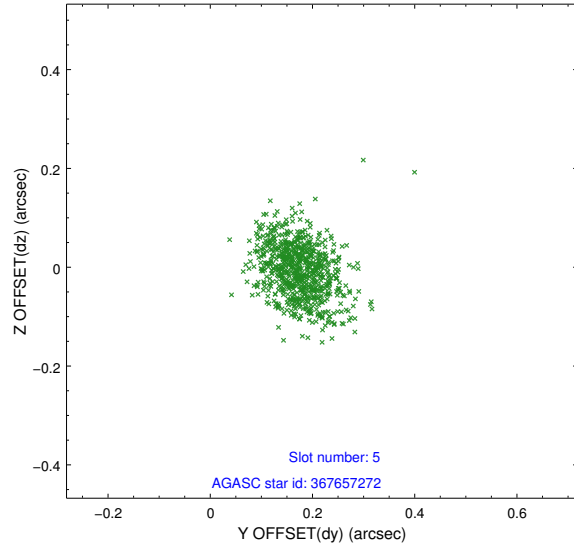
2.4.1 Slot 3



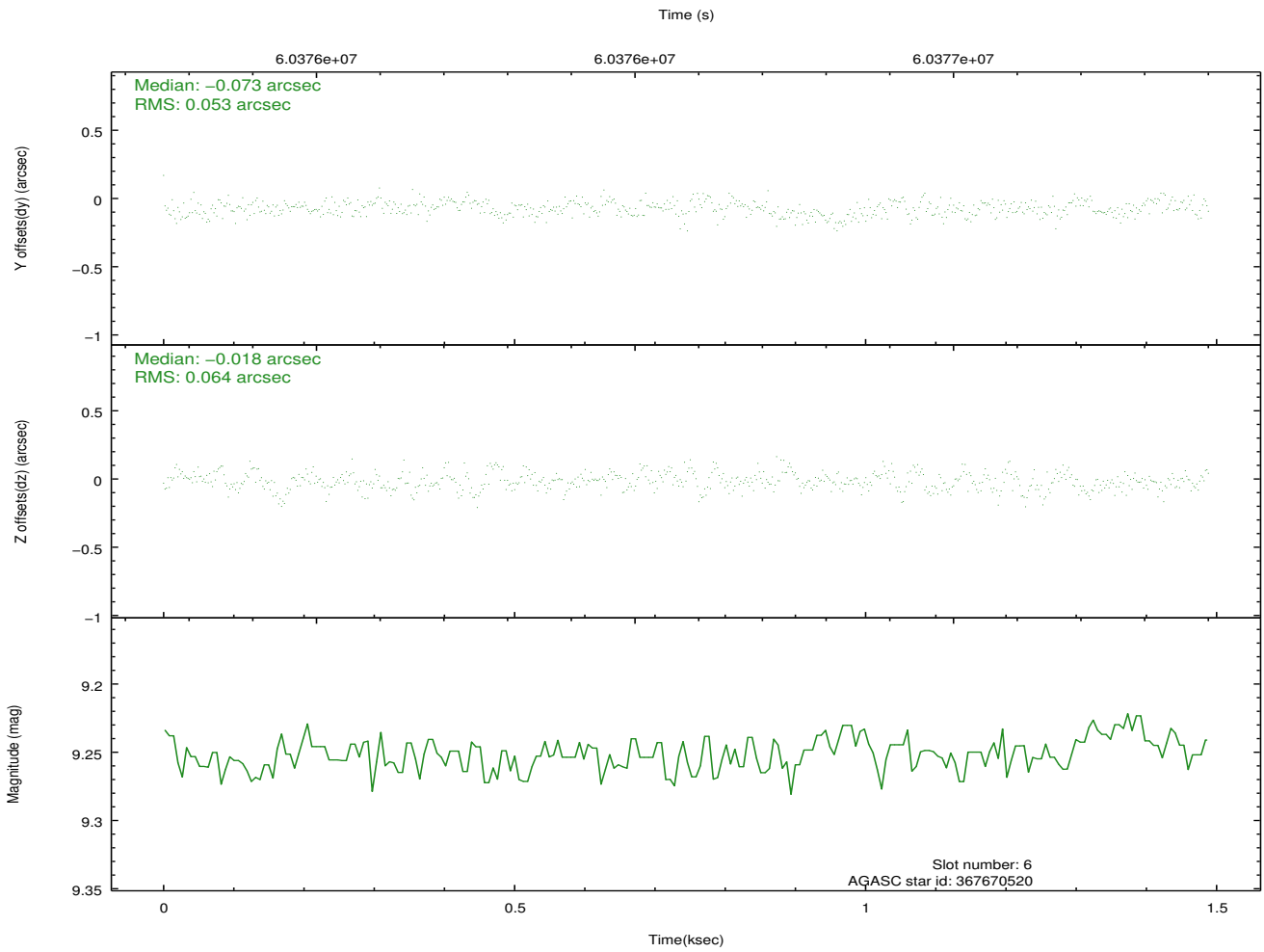
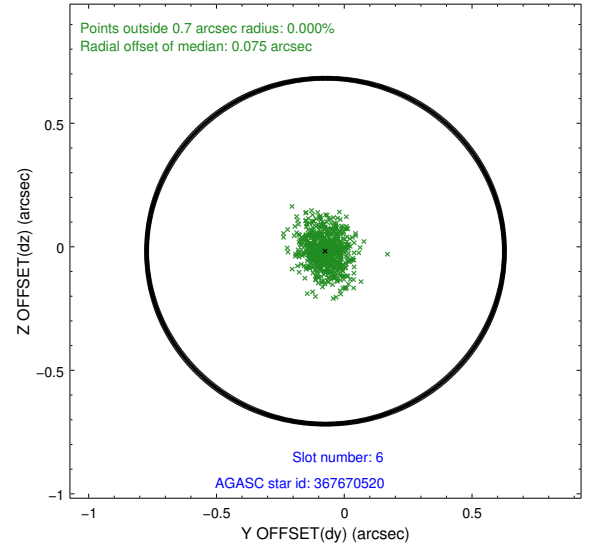
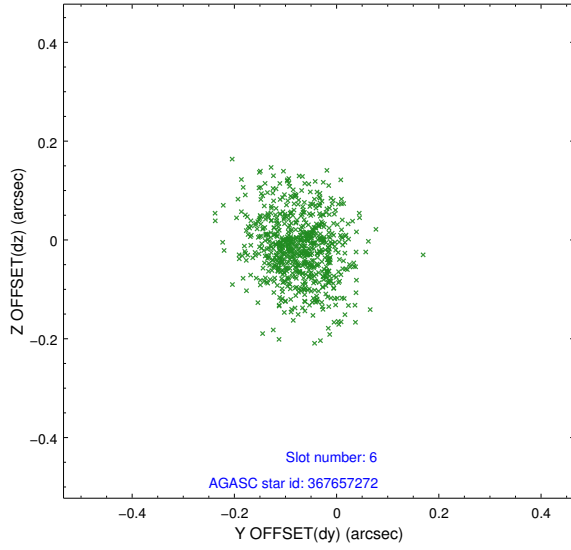
2.4.2 Slot 4



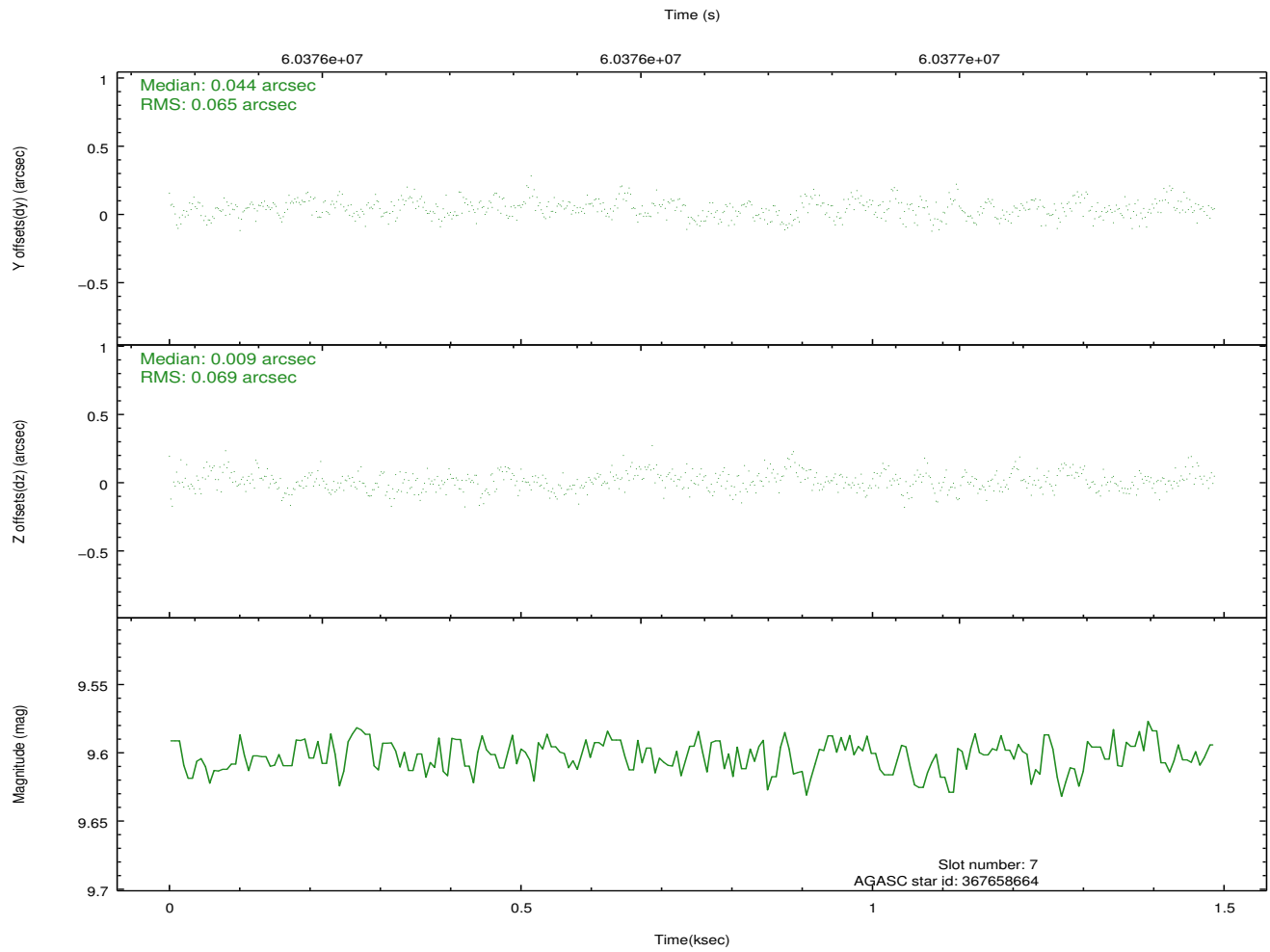
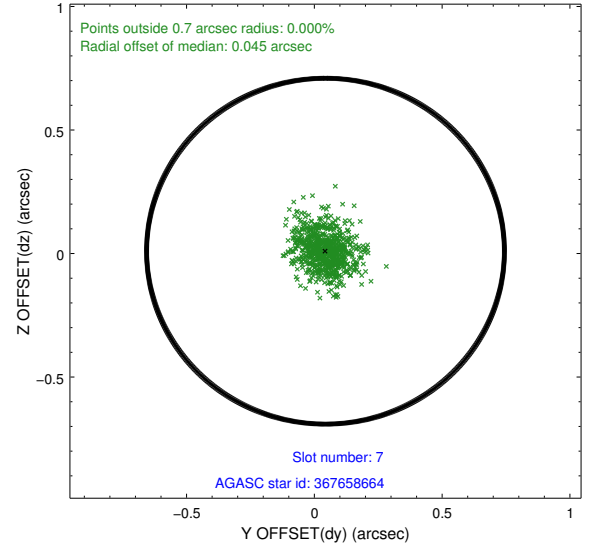
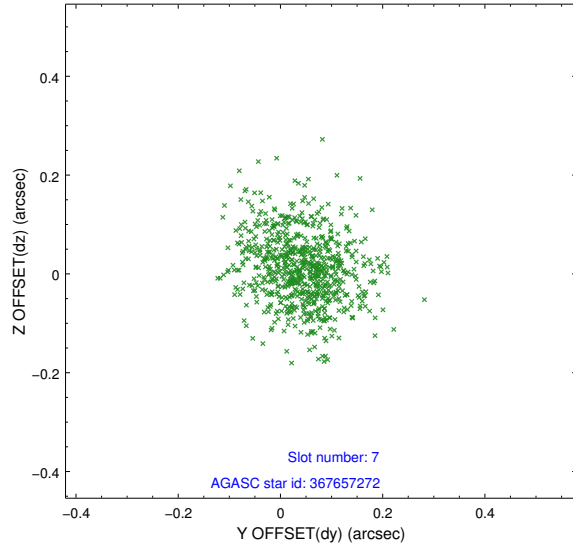
2.4.3 Slot 5



2.4.4 Slot 6

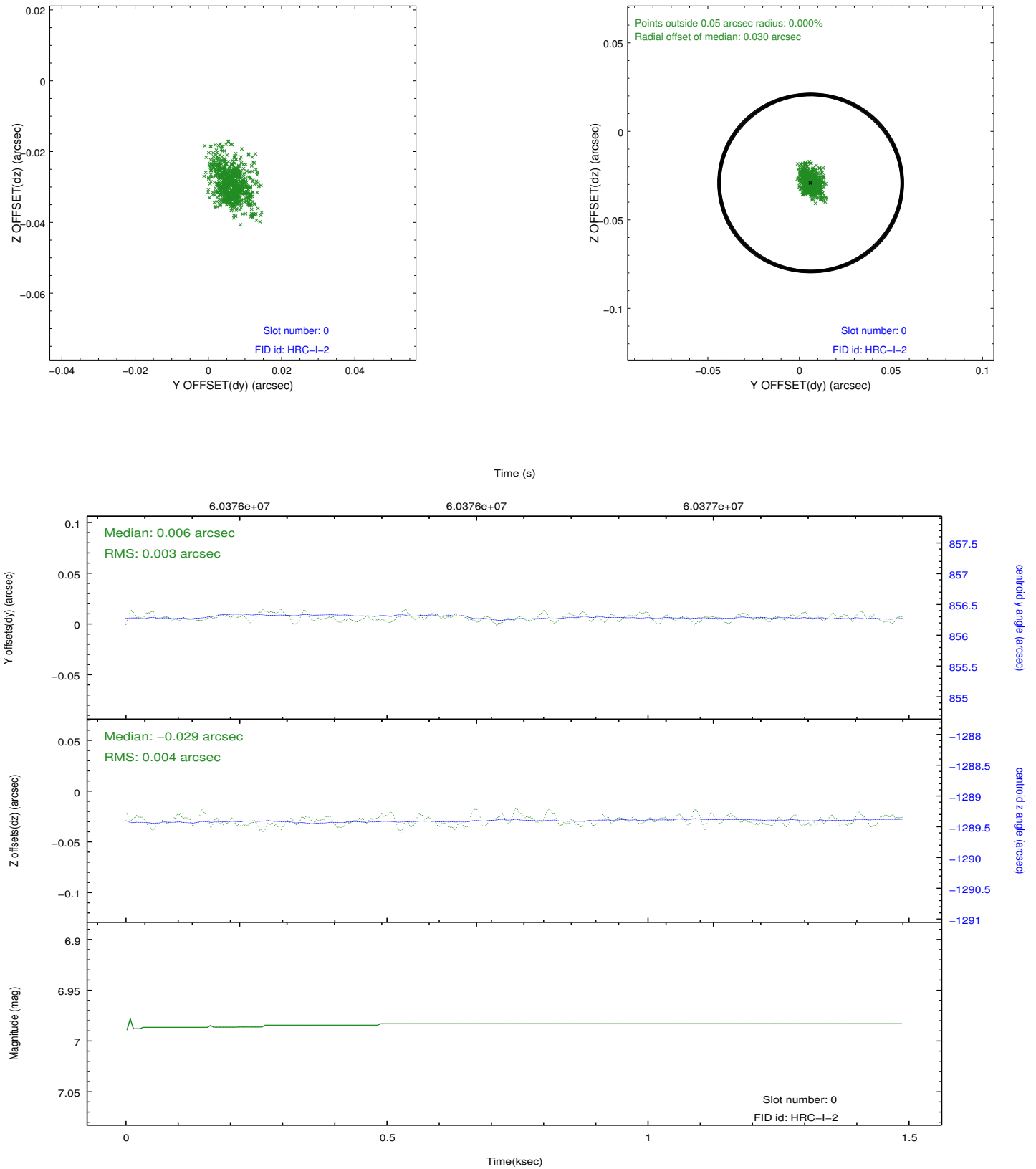


2.4.5 Slot 7

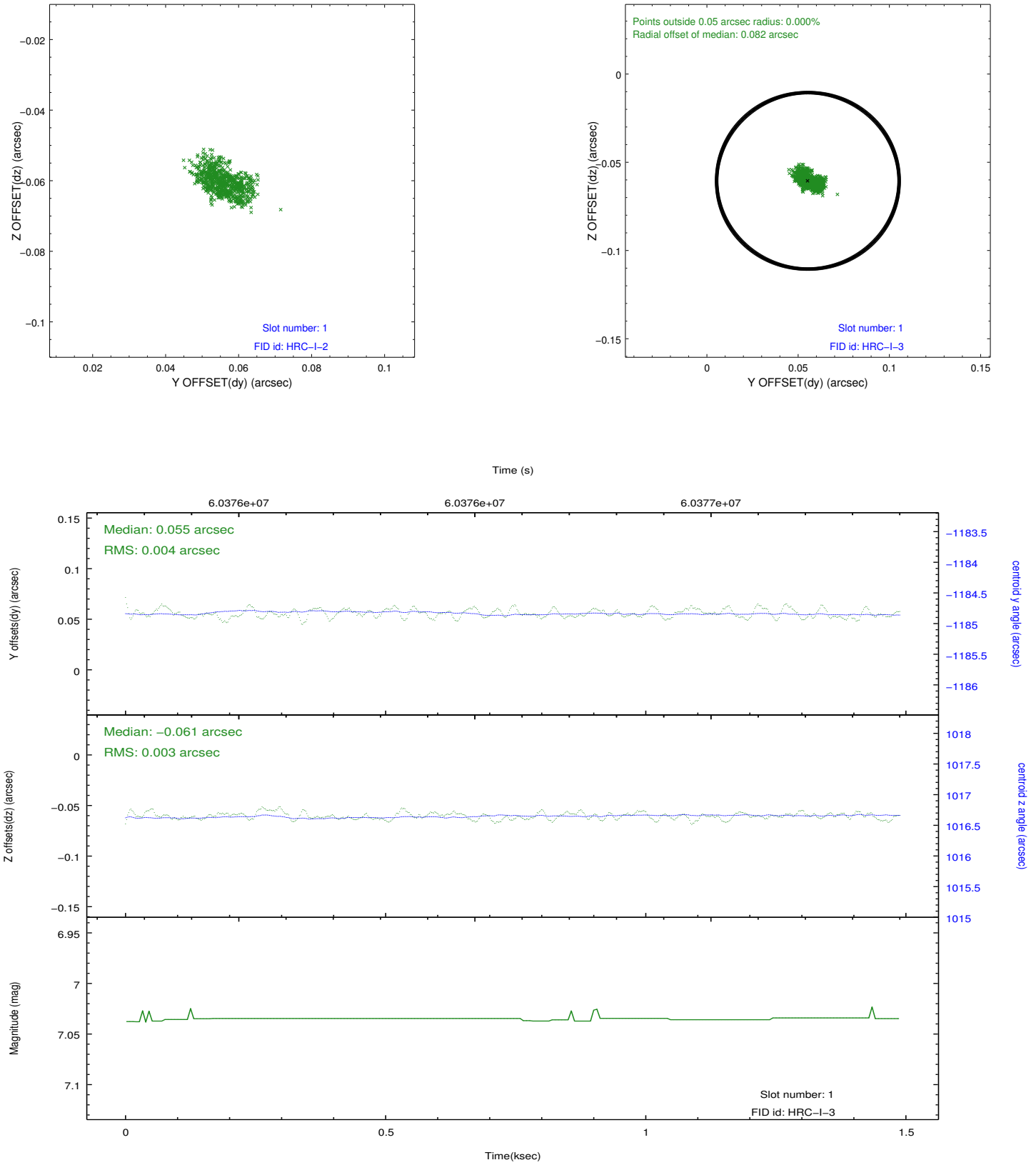


2.5 FID Slots

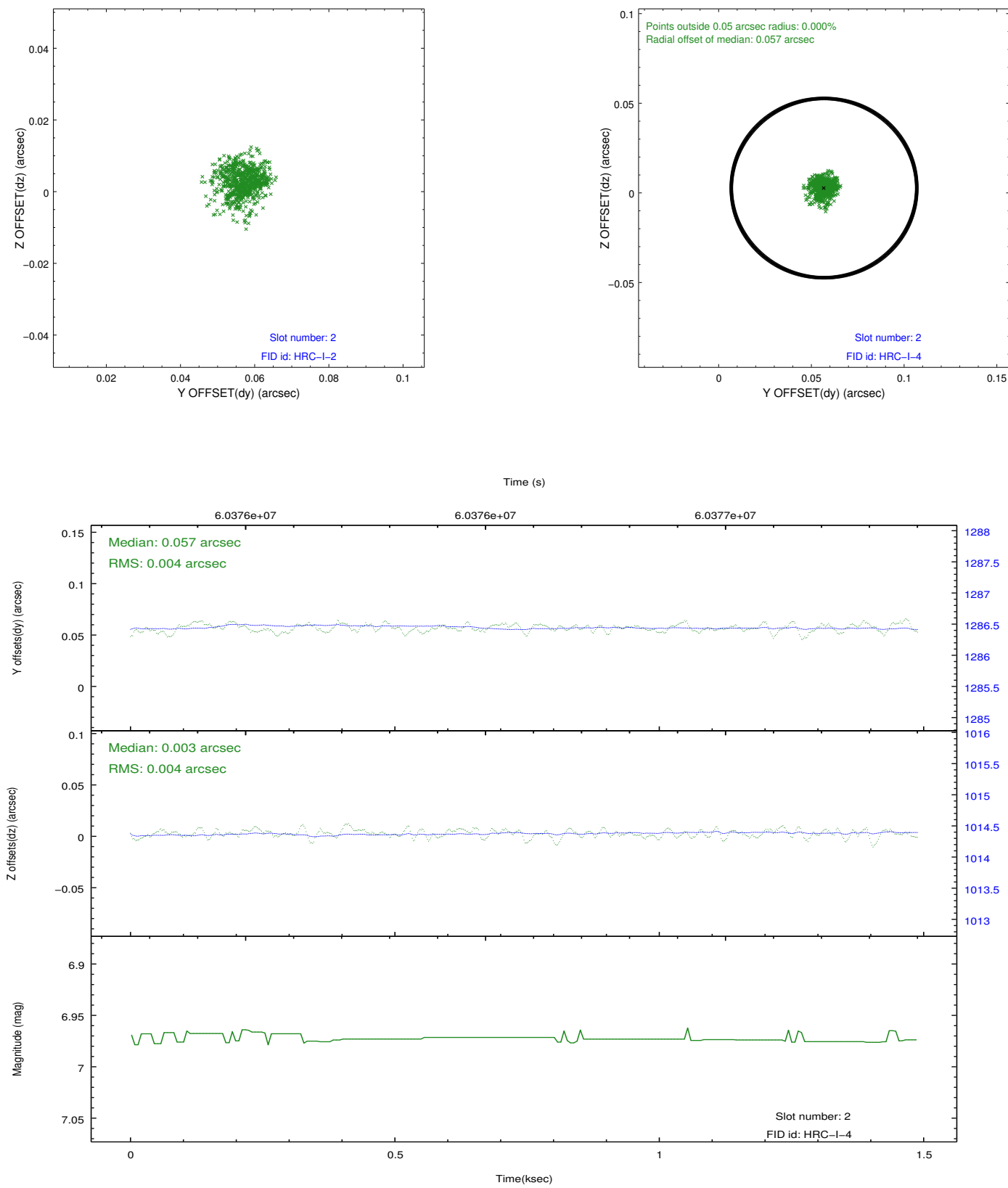
2.5.1 Slot 0



2.5.2 Slot 1



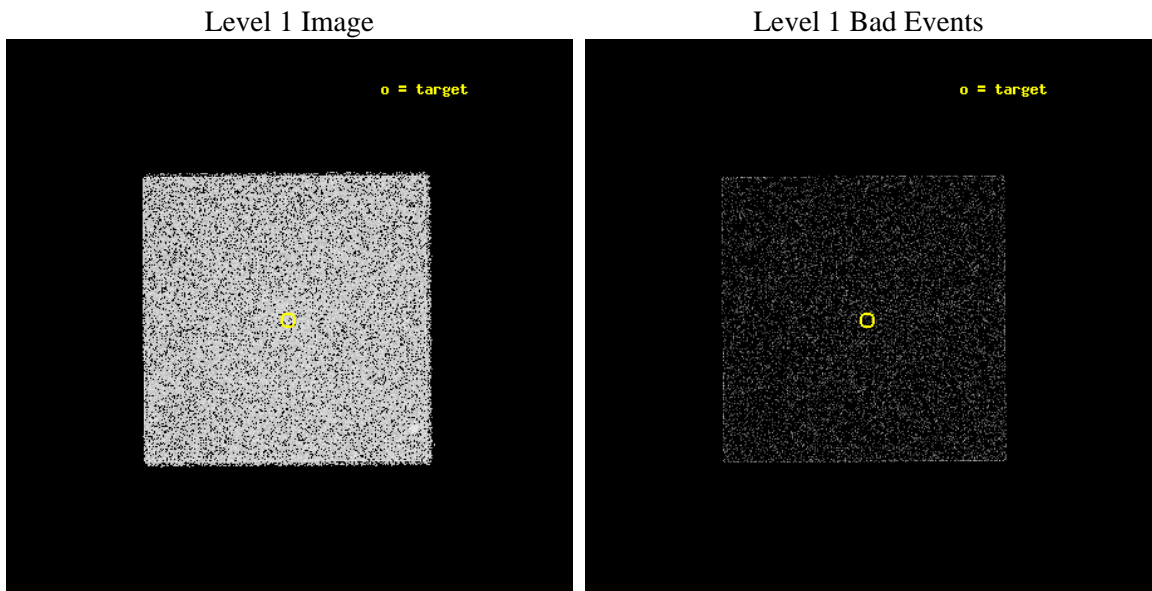
2.5.3 Slot 2



3 OBI

3.1 OBI

3.1.1 Images



3.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	Scheduled observation exposure time
ascdsver	8.3.2	Processing system revision	ontime	1423.981301941	[s]
caldbver	4.3.0	 	l1events	111085	Number of level 1 events
date	2010-08-16T19:08:41	Date and time of file creation			
revision	5	Processing version of data			

3.1.3 Events

Level 1 Events

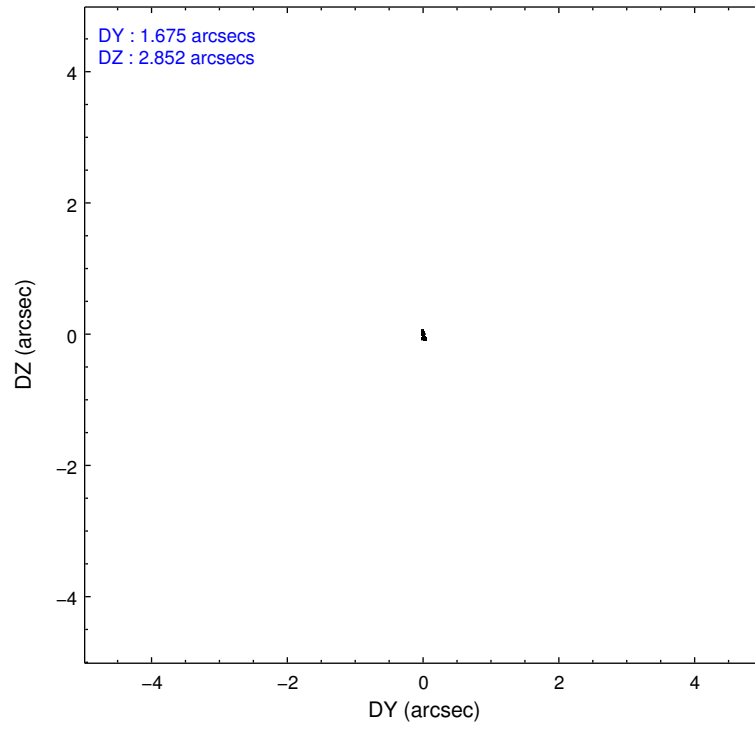
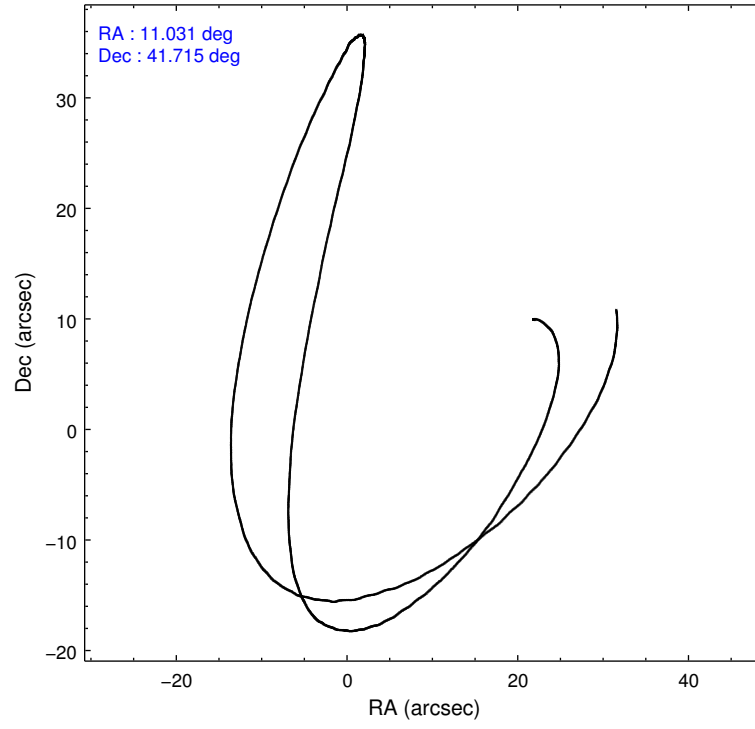
	segment 0
level 1 events	111085
rejected events	54789
rejected %	49%

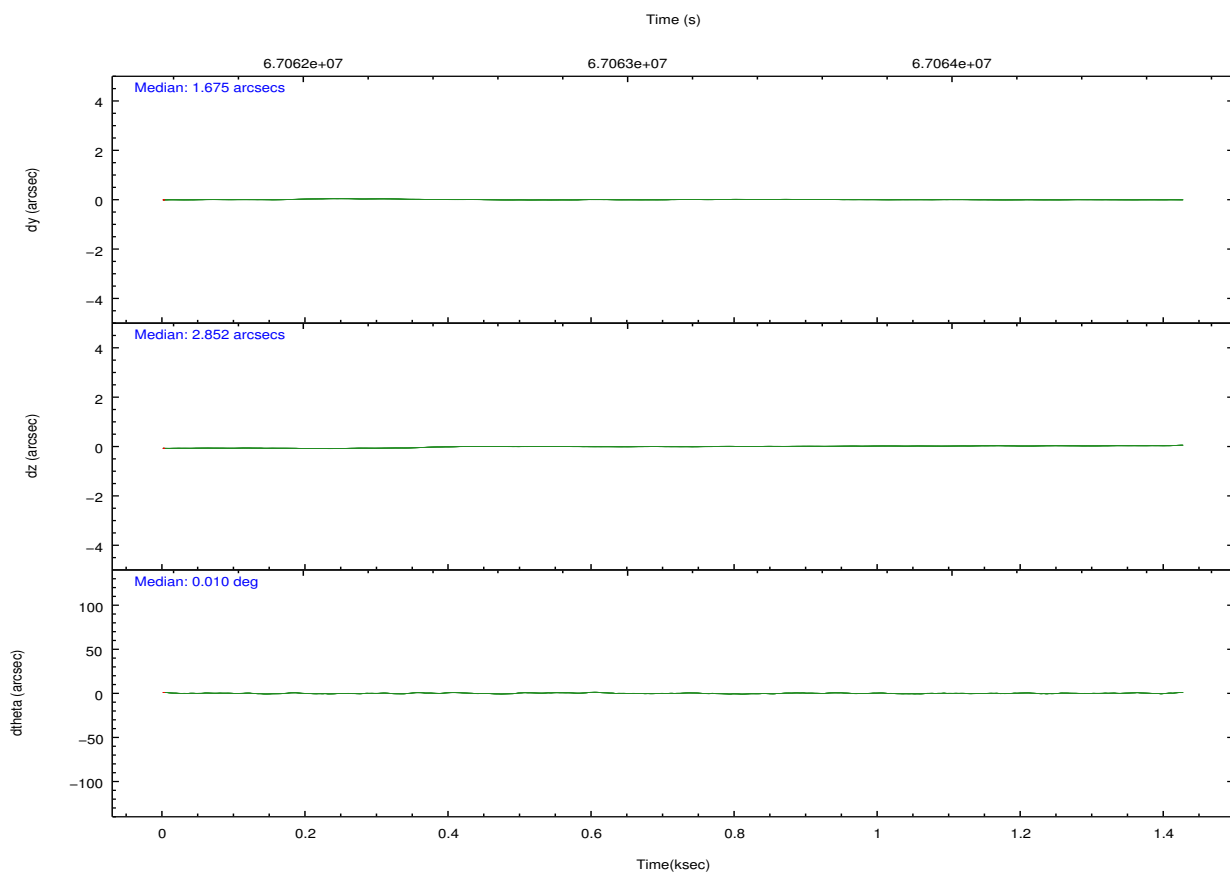
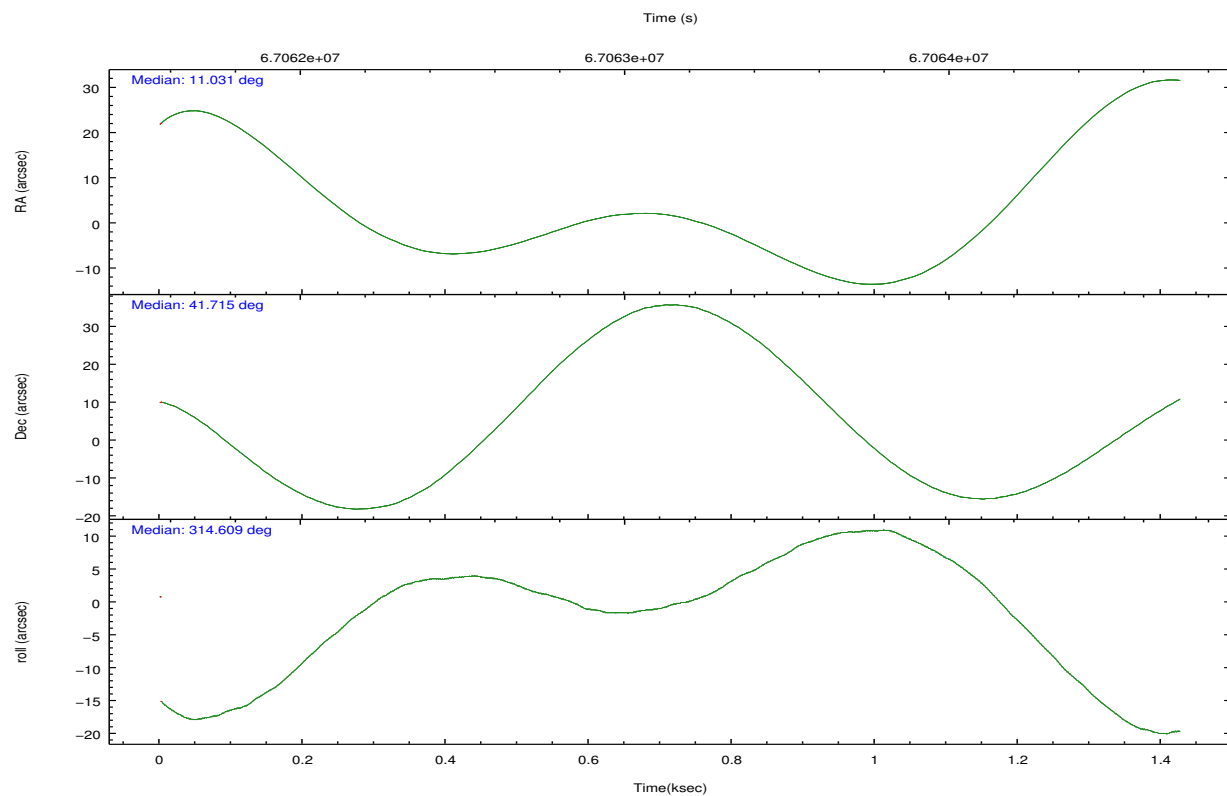
3.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	10.996022	11.03210816004468
Pointing Dec	41.723821	41.71574696956663
Pointing Roll	314.732130	314.6126091070928
SIM focus pos (mm)	-1.040293	-1.038866356238299
SIM defocus (mm)	0	0.001426264420575141
SIM translation stage pos (mm)	126.985494	126.9829799899862
SIM translation stage offset (mm)	0	0.002508901615314585
Observation start time	67062785.184000	67062111.905468
Observation start date	2000-02-16T04:32:01	2000-02-16T04:21:51
Observation end time	67063785.184000	67064912.71807
Observation end date	2000-02-16T04:48:41	2000-02-16T05:08:32

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

3.3 Aspect



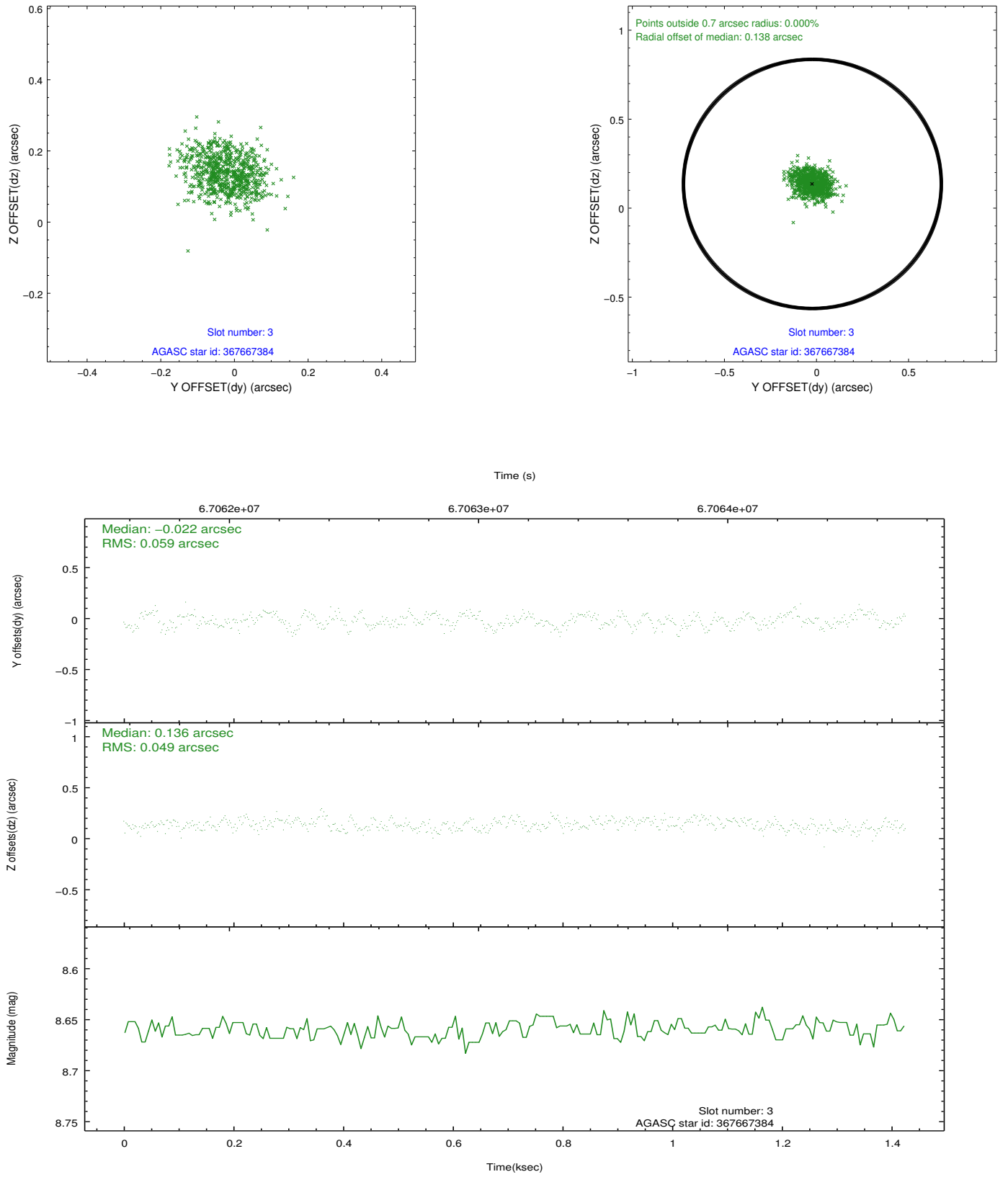


Slot Statistics

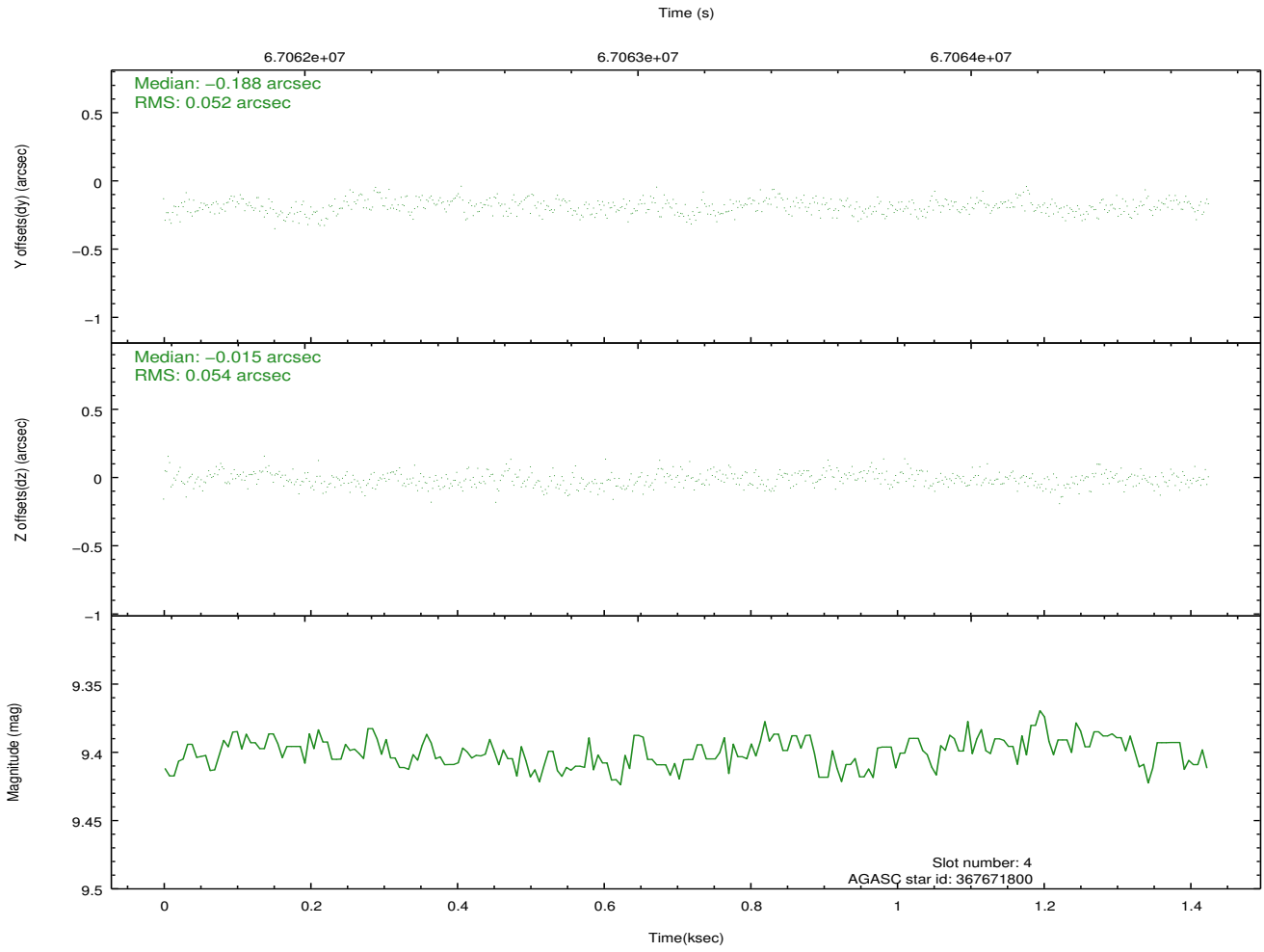
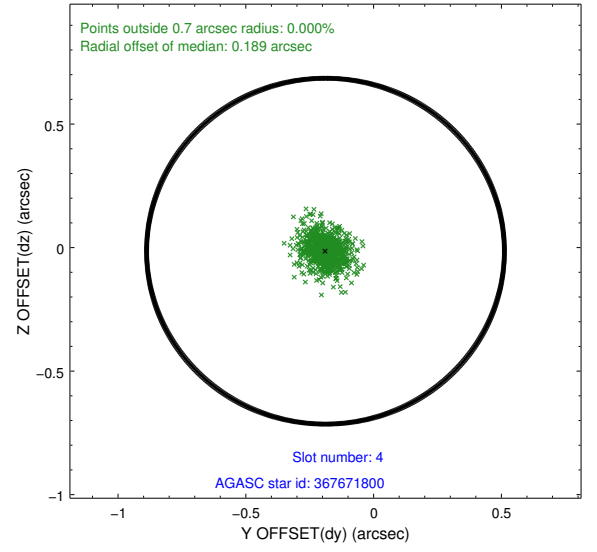
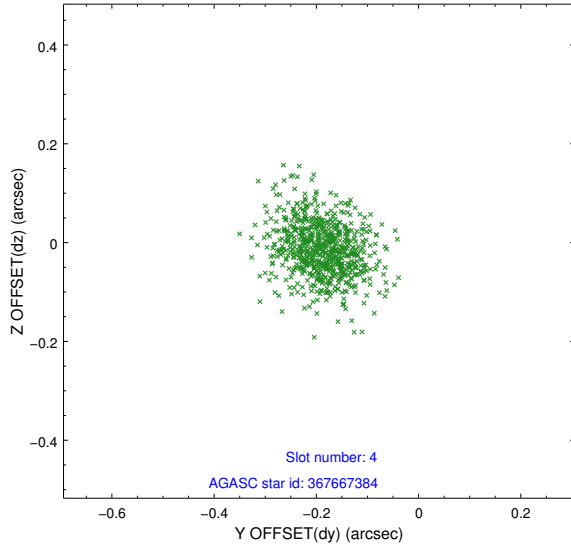
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.98	727	0.006	-0.029	0.005	0.010	0.000000	0.000000	856.29	-1289.40
1	FID	HRC-I-3	7.03	727	0.055	-0.061	0.006	0.009	0.000000	0.000000	-1183.66	1014.87
2	FID	HRC-I-4	6.97	727	0.057	0.003	0.005	0.009	0.000000	0.000000	1284.82	1015.77
3	GUIDE	367657272	8.43	727	-0.027	0.033	0.086	0.135	11.834471	41.298907	1352.49	2372.37
4	GUIDE	367665384	8.80	727	-0.112	-0.021	0.076	0.120	10.414363	42.275730	-1762.77	-1769.38
5	GUIDE	367657896	9.02	727	0.174	-0.005	0.074	0.123	11.197765	41.313576	1477.97	651.96
6	GUIDE	367670520	9.25	727	-0.073	-0.018	0.090	0.147	11.265516	42.371946	-2326.75	449.62
7	GUIDE	367658664	9.60	725	0.044	0.009	0.103	0.167	10.374070	41.369746	1490.16	-1580.42

3.4 Star Slots

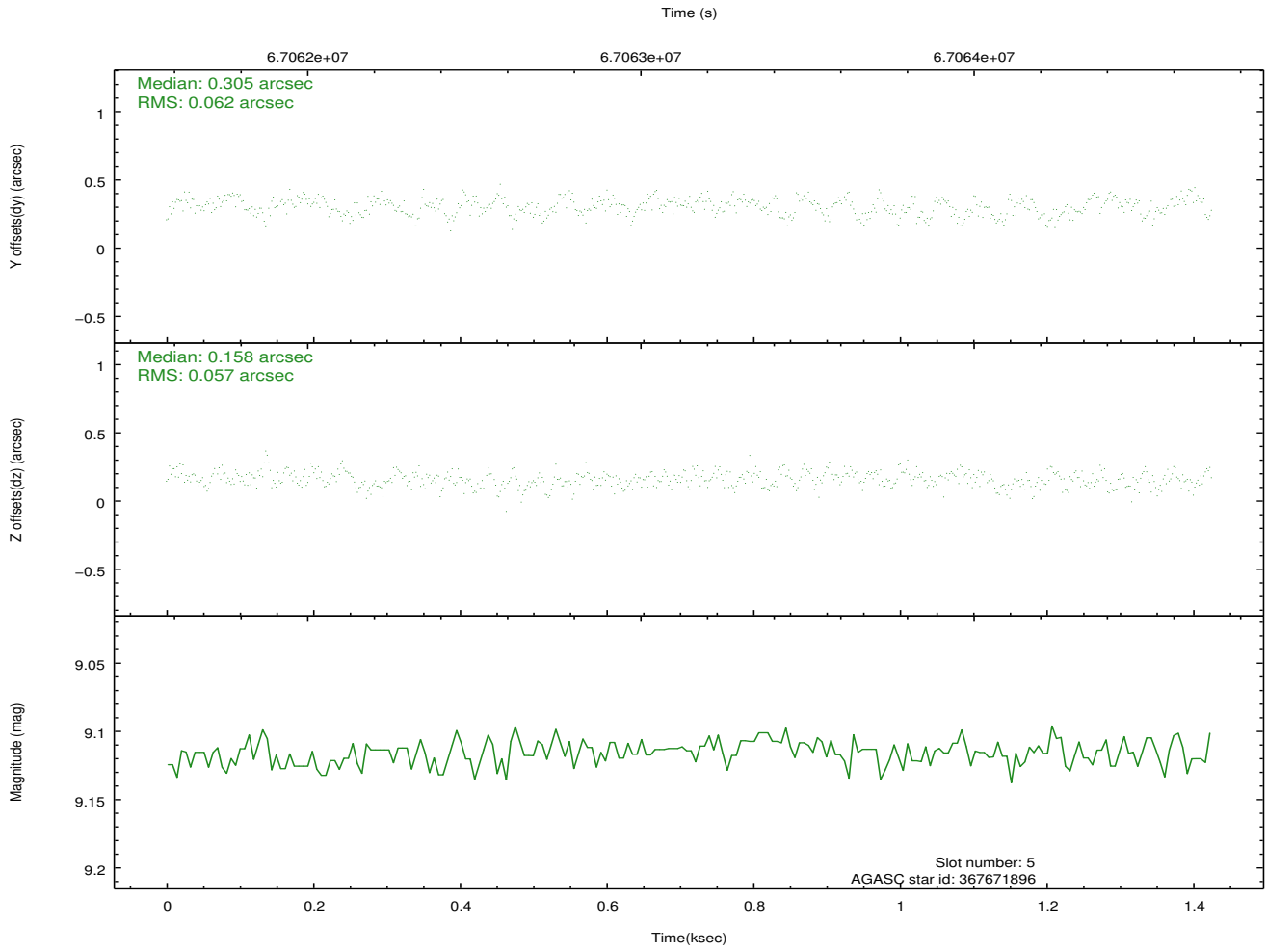
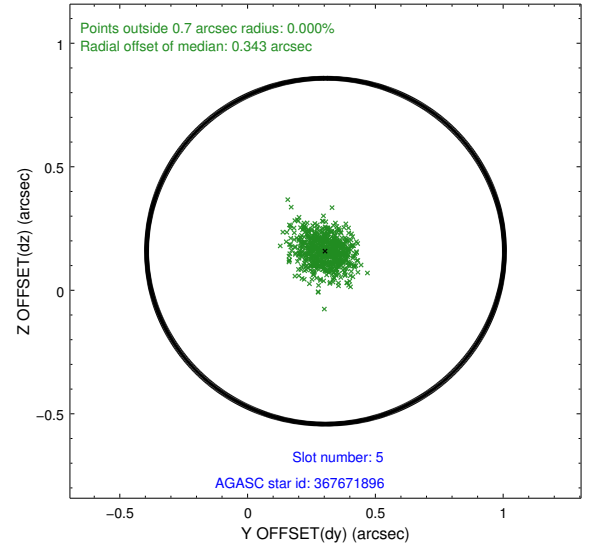
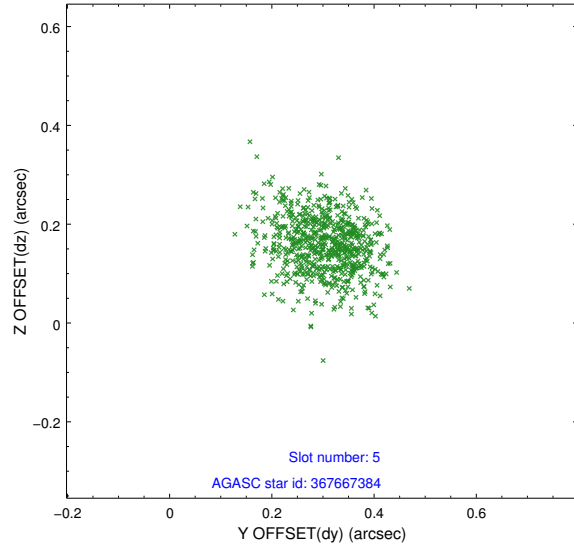
3.4.1 Slot 3



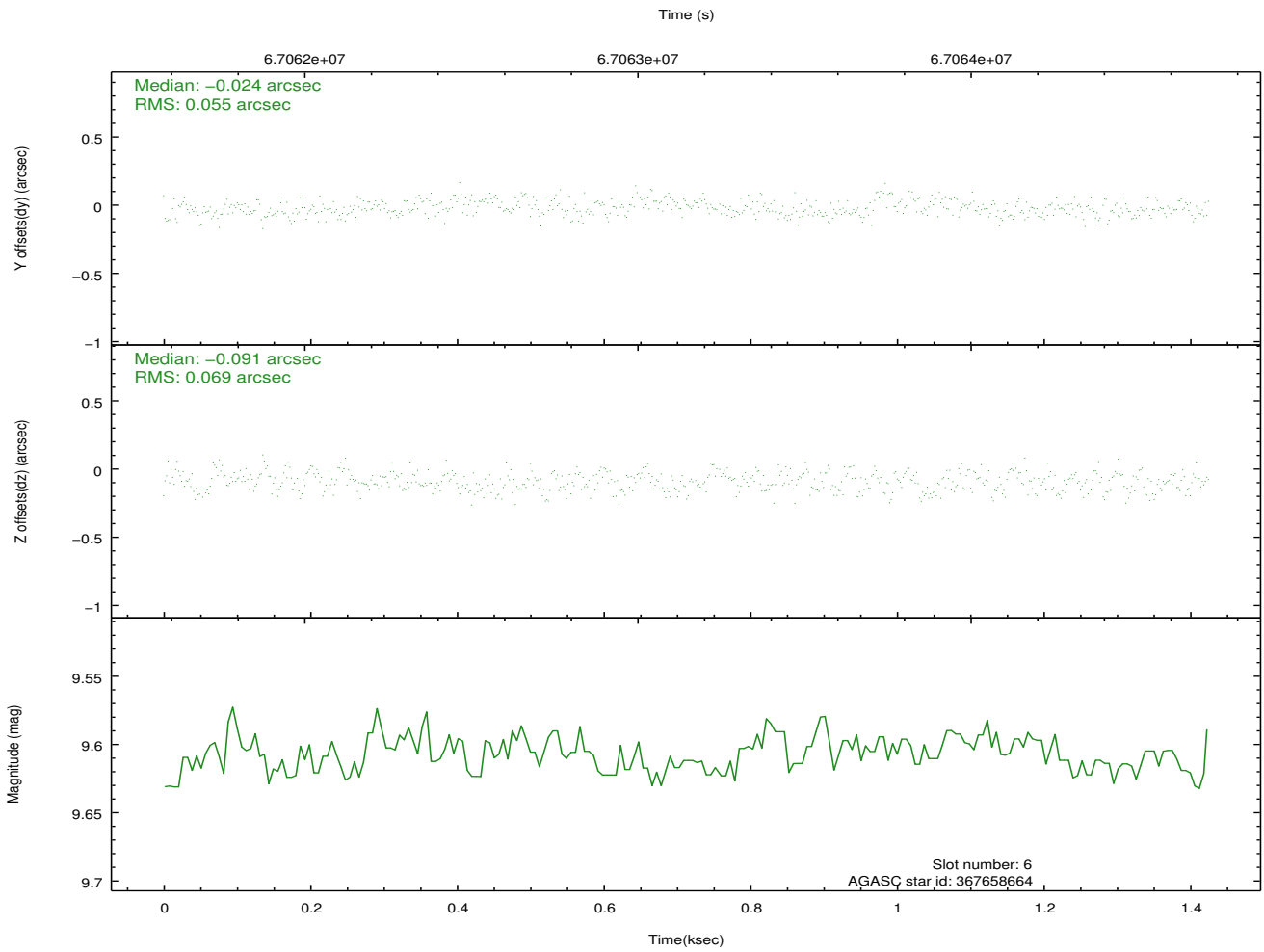
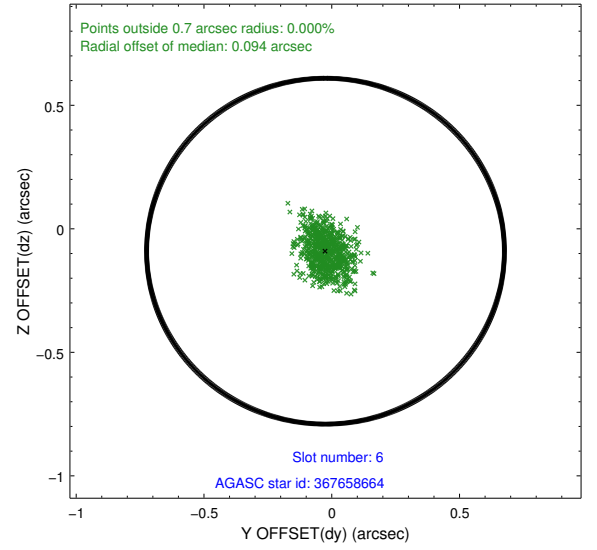
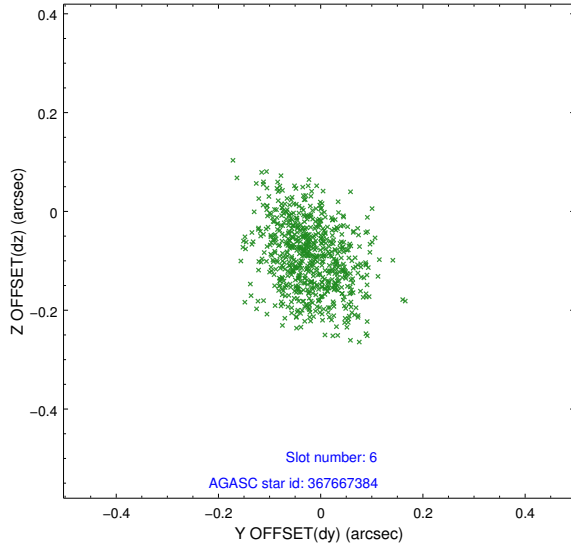
3.4.2 Slot 4



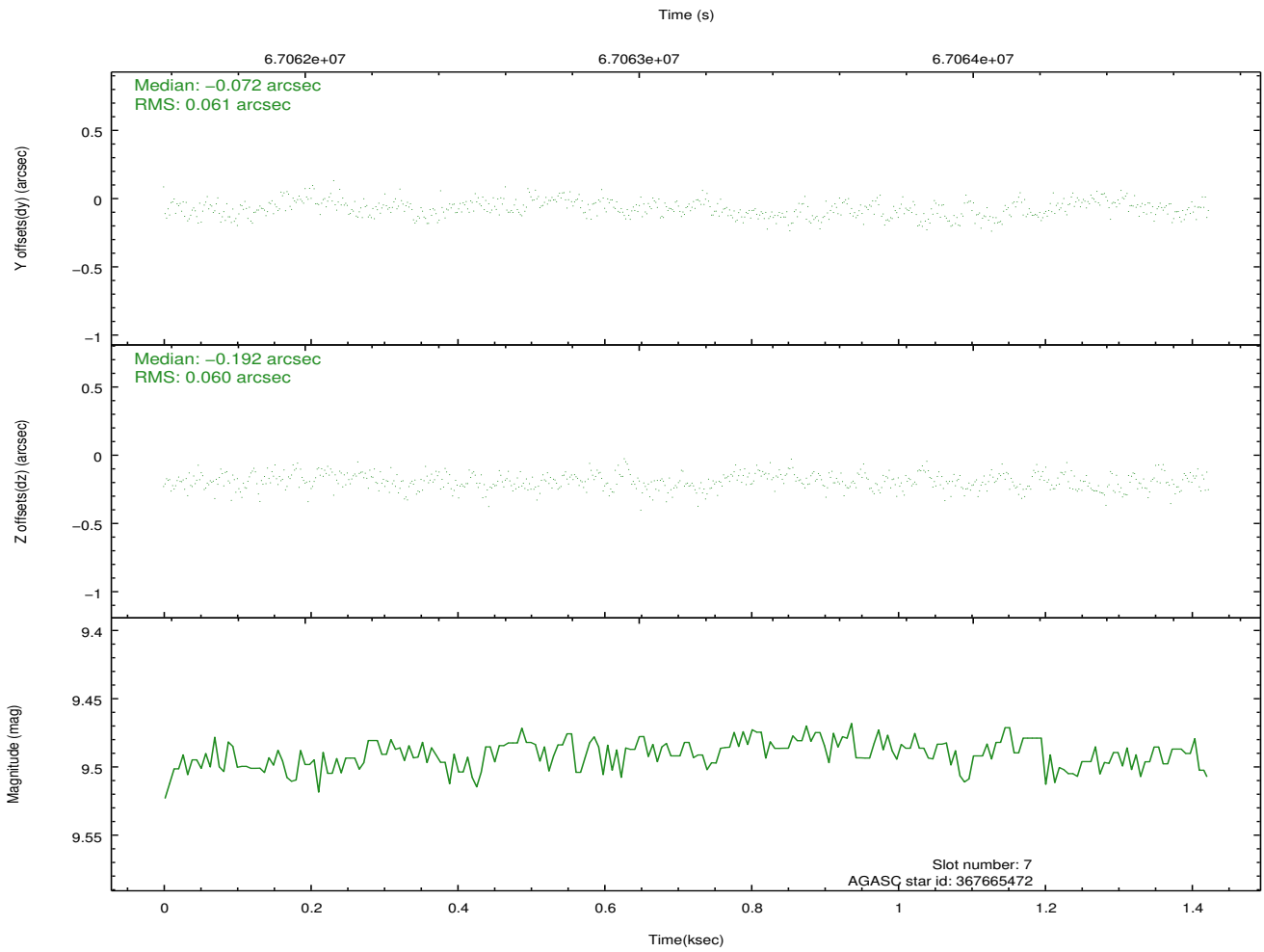
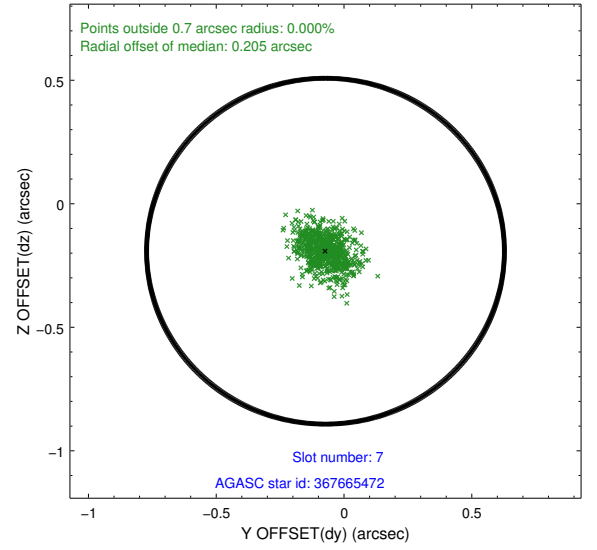
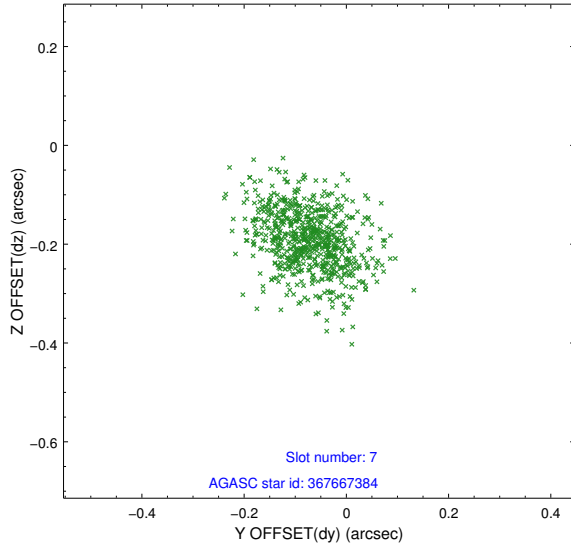
3.4.3 Slot 5



3.4.4 Slot 6

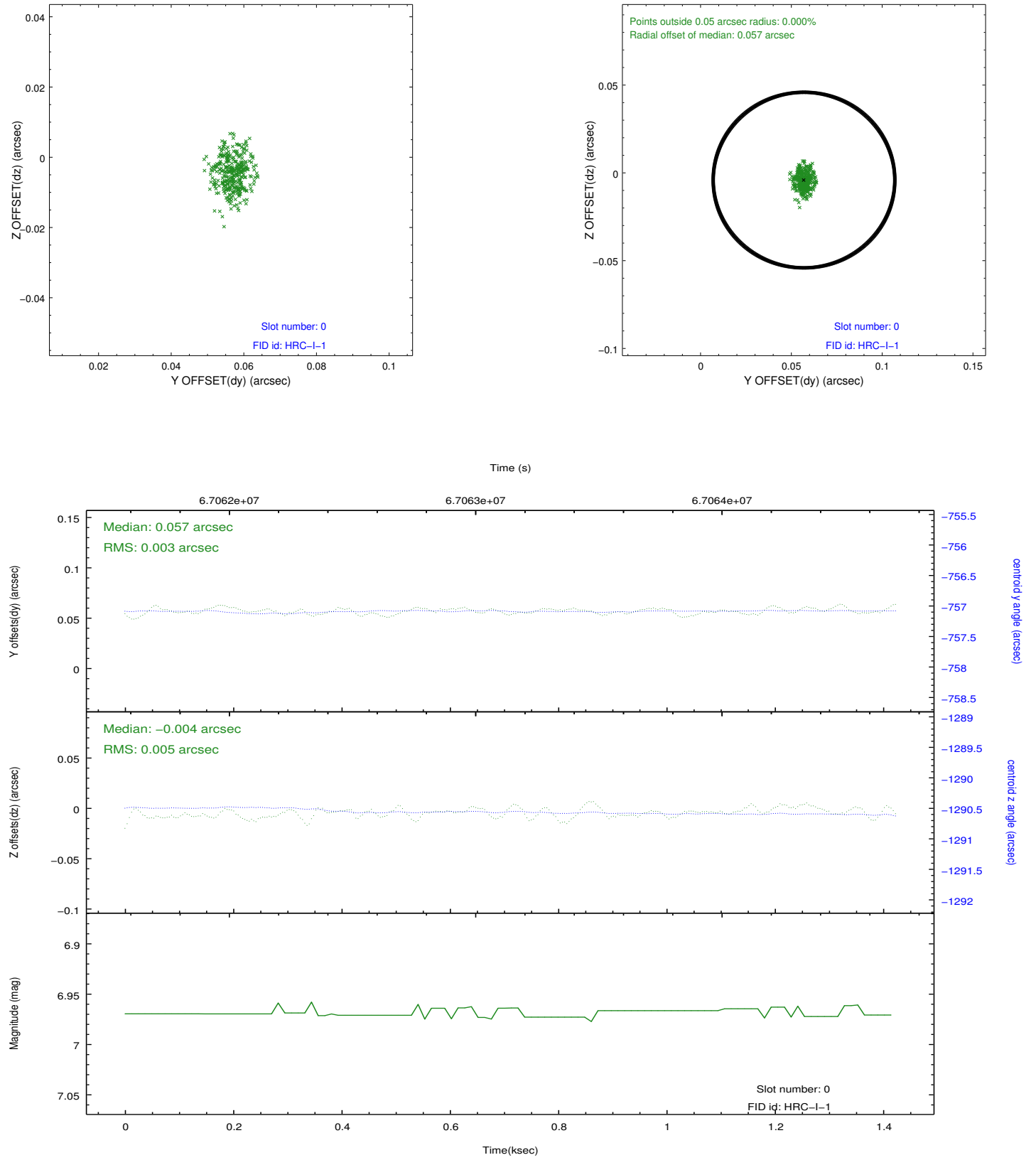


3.4.5 Slot 7

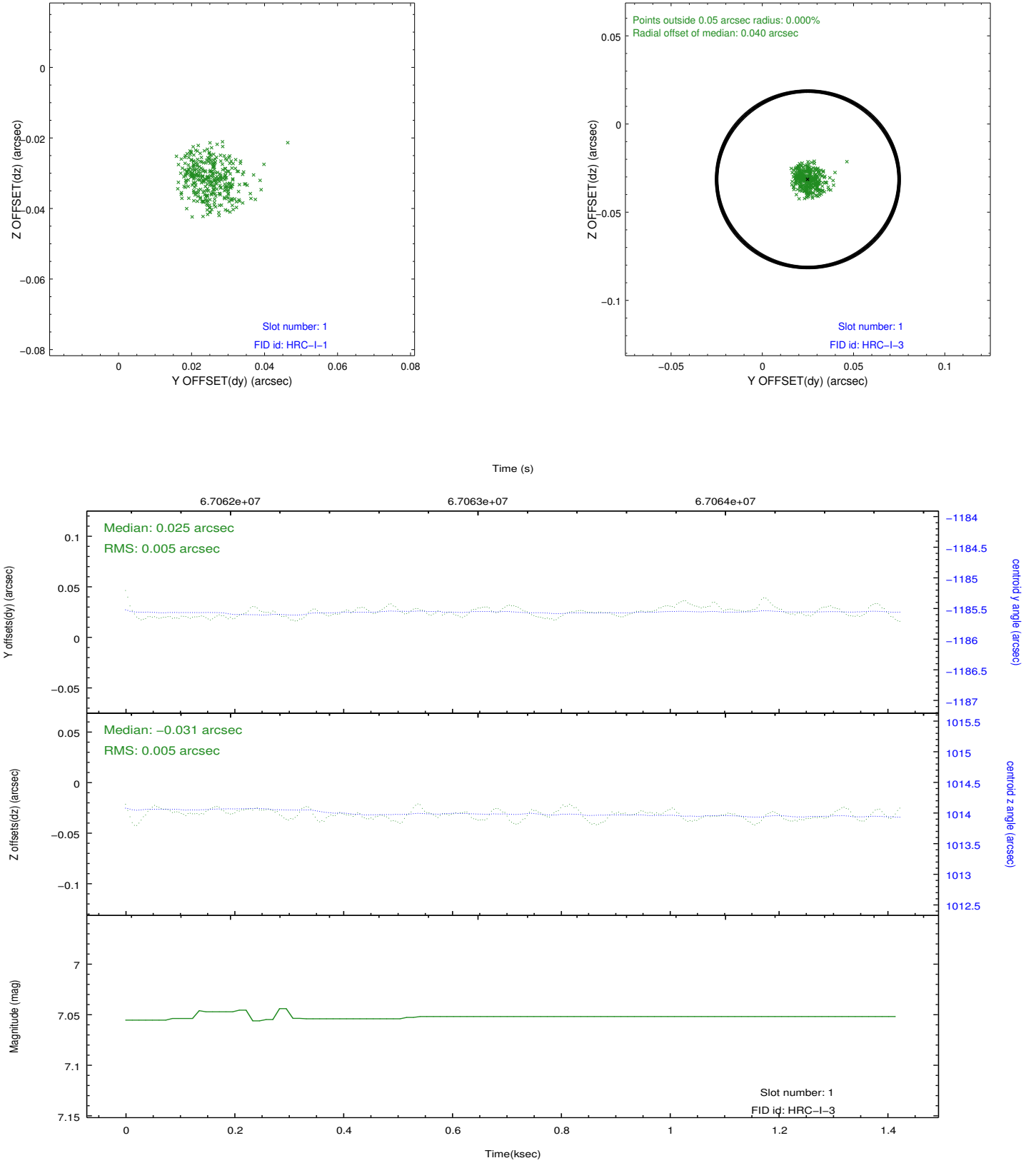


3.5 FID Slots

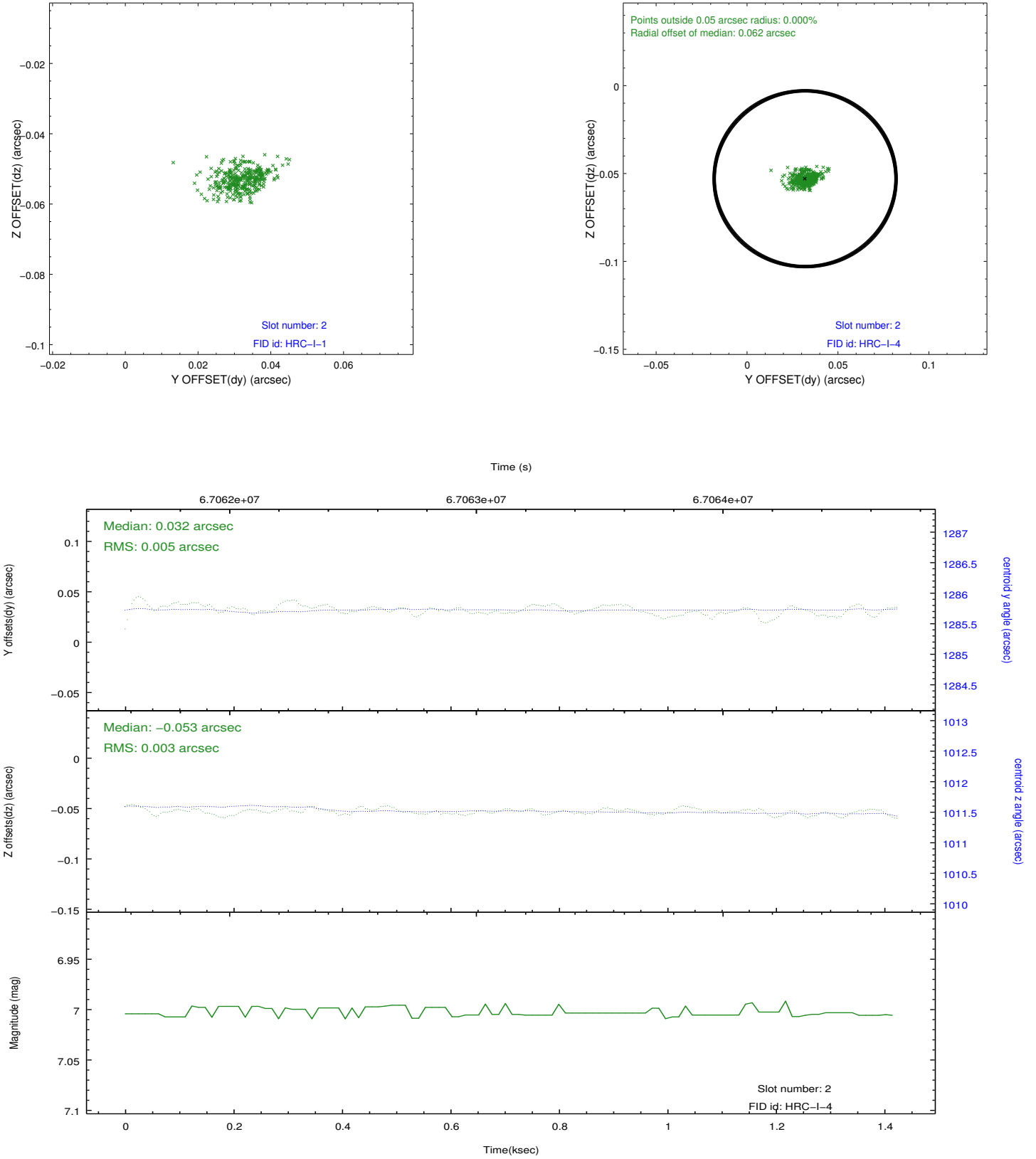
3.5.1 Slot 0



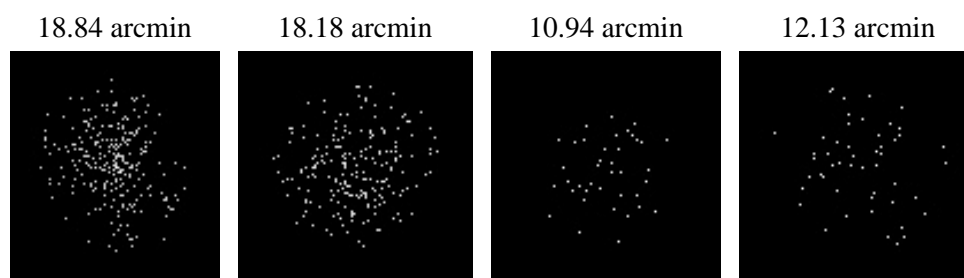
3.5.2 Slot 1



3.5.3 Slot 2



4 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.697

A.2 Comments