

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1366 - L2 Version 4

Chandra X-Ray Center

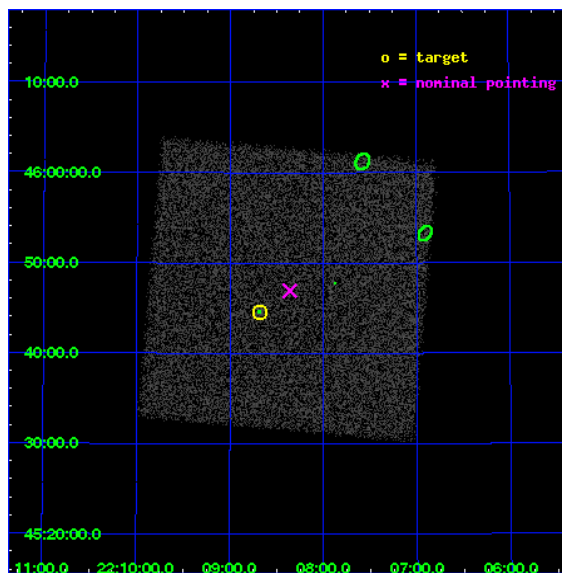
L2 Processing Date : Nov 19 2009

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1 Front

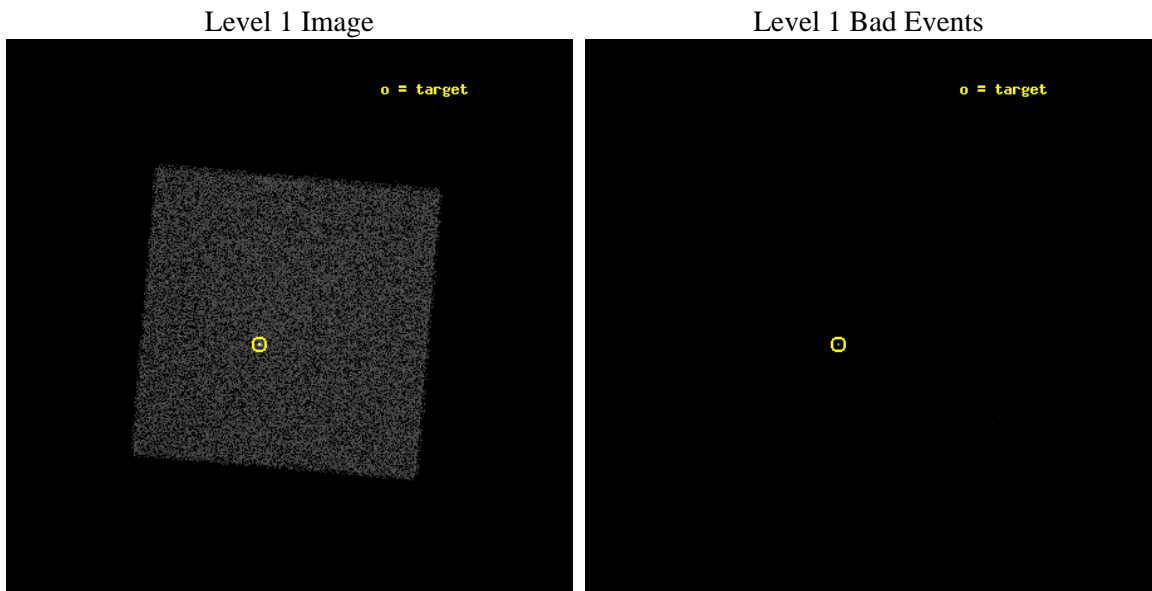
seq_num	280316	Sequence number
obs_id	1366	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.08962442121	Nominal RA
dec_nom	45.782211831084	Nominal Dec
roll_nom	229.97356265771	Nominal Roll
revision	4	Processing version of data
ontime	1275.3562959507	[s]
livetime	1266.504977185	Ontime multiplied by DTCOR
l2events	43057	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	8.1.1	Processing system revision	ontime	1275.3562959507	[s]
caldbver	4.1.4	 	l1events	68759	Number of level 1 events
date	2009-11-19T07:32:04	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

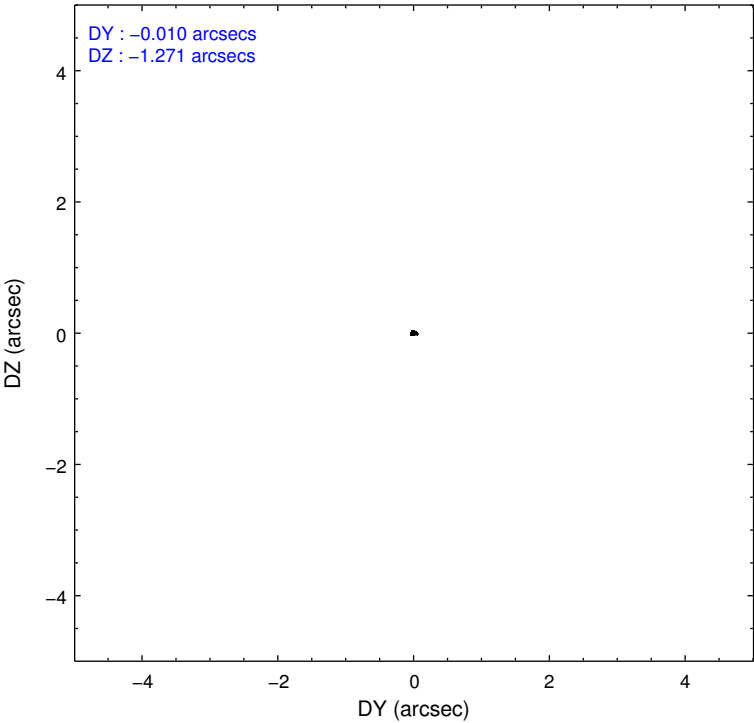
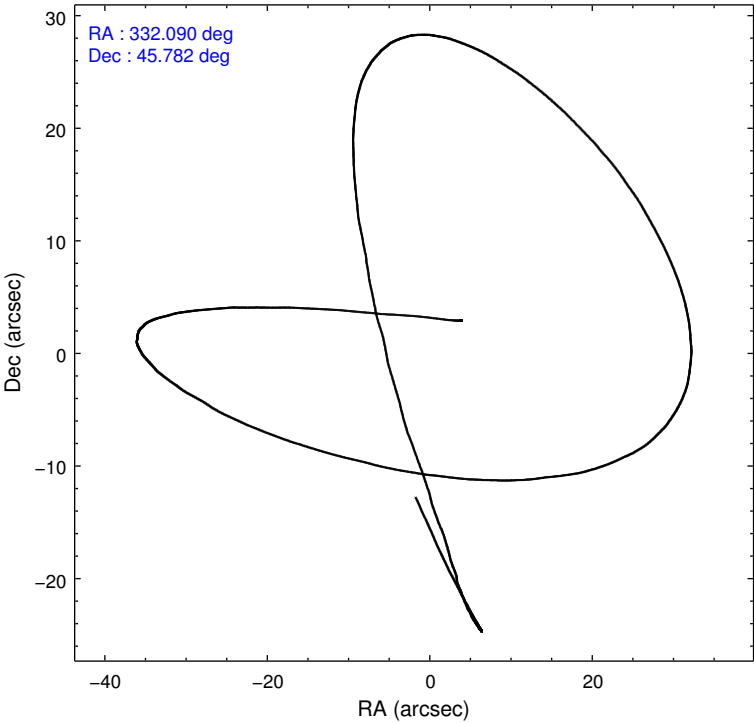
Level 1 Events

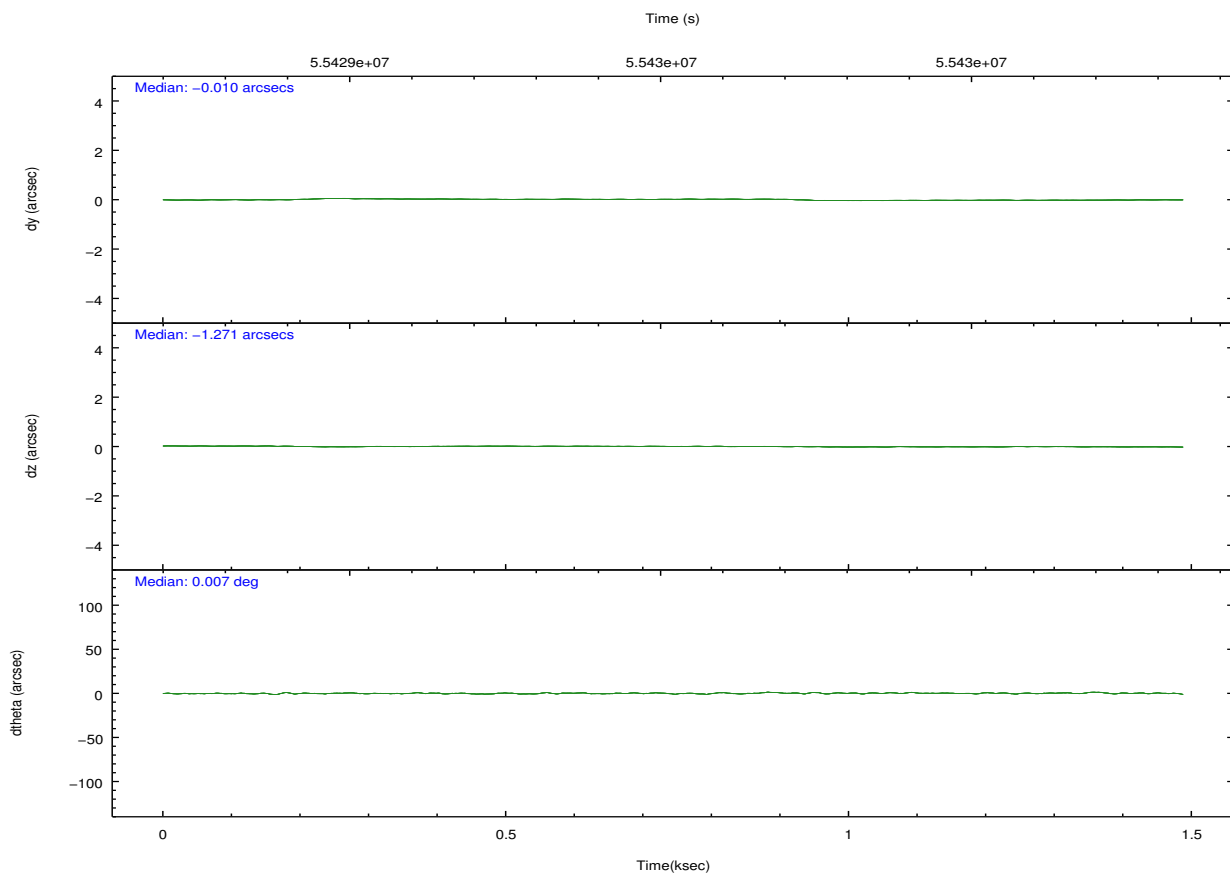
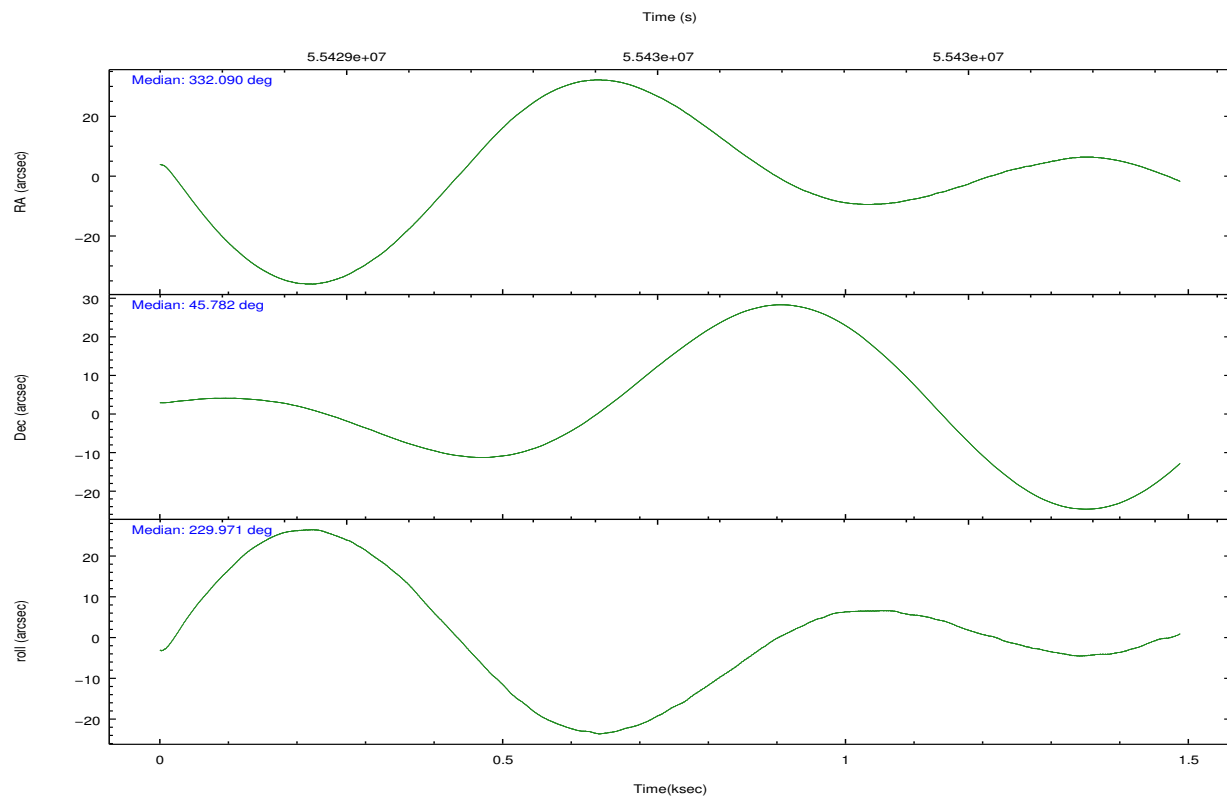
	segment 0
level 1 events	68759
rejected events	2608
rejected %	3%

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	332.097427	332.0896244212142			
Pointing Dec	45.810002	45.78221183108387			
Pointing Roll	230.063436	229.9735626577132			
SIM focus pos (mm)	-0.040293	-0.2342646132009995			
SIM defocus (mm)	1	0.806028007457875			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	55429264.184000	55428597.746762			
Observation start date	1999-10-04T13:00:00	1999-10-04T12:49:57			
Observation end time	55430264.184000	55430397.646827			
Observation end date	1999-10-04T13:16:40	1999-10-04T13:19:57			

2.3 Aspect



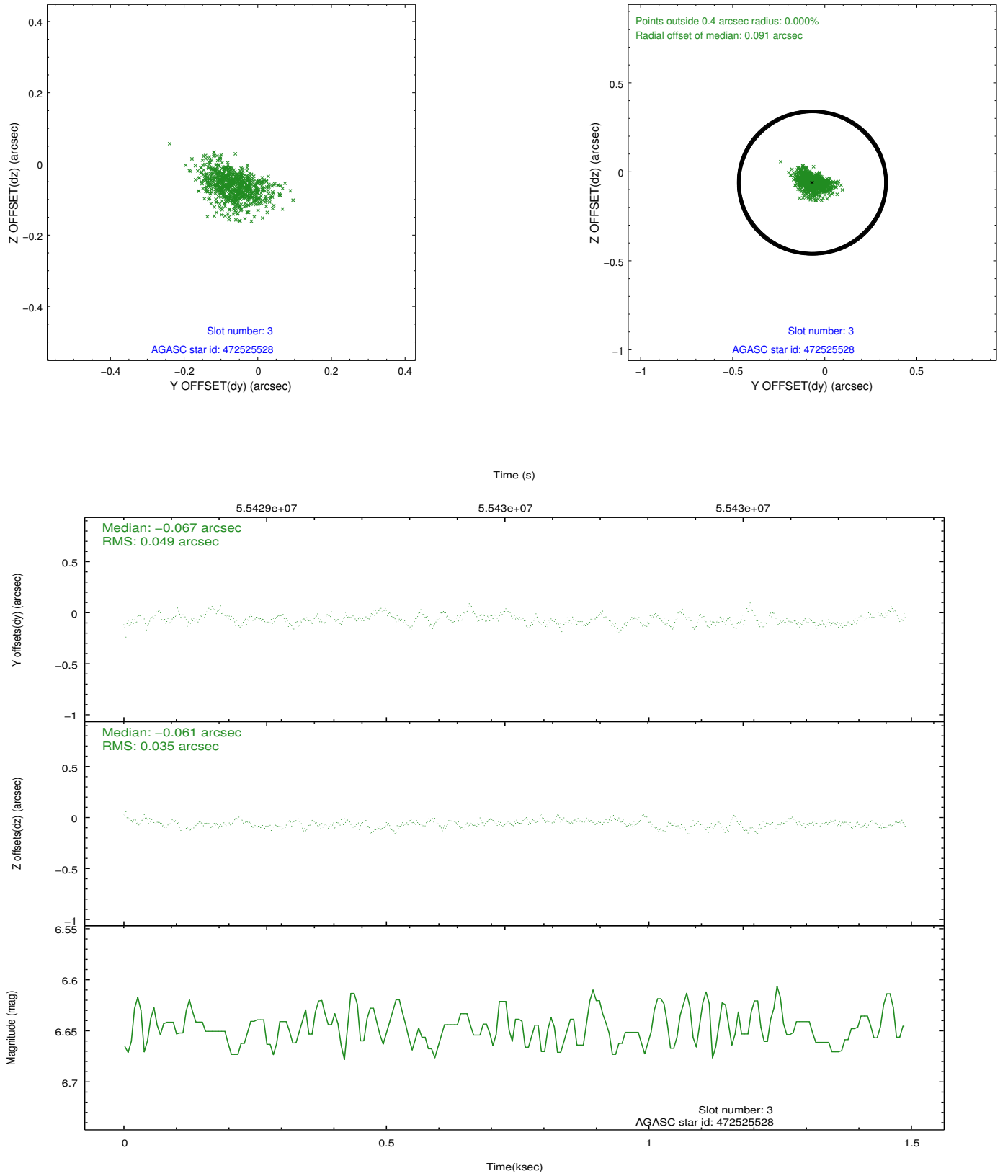


Slot Statistics

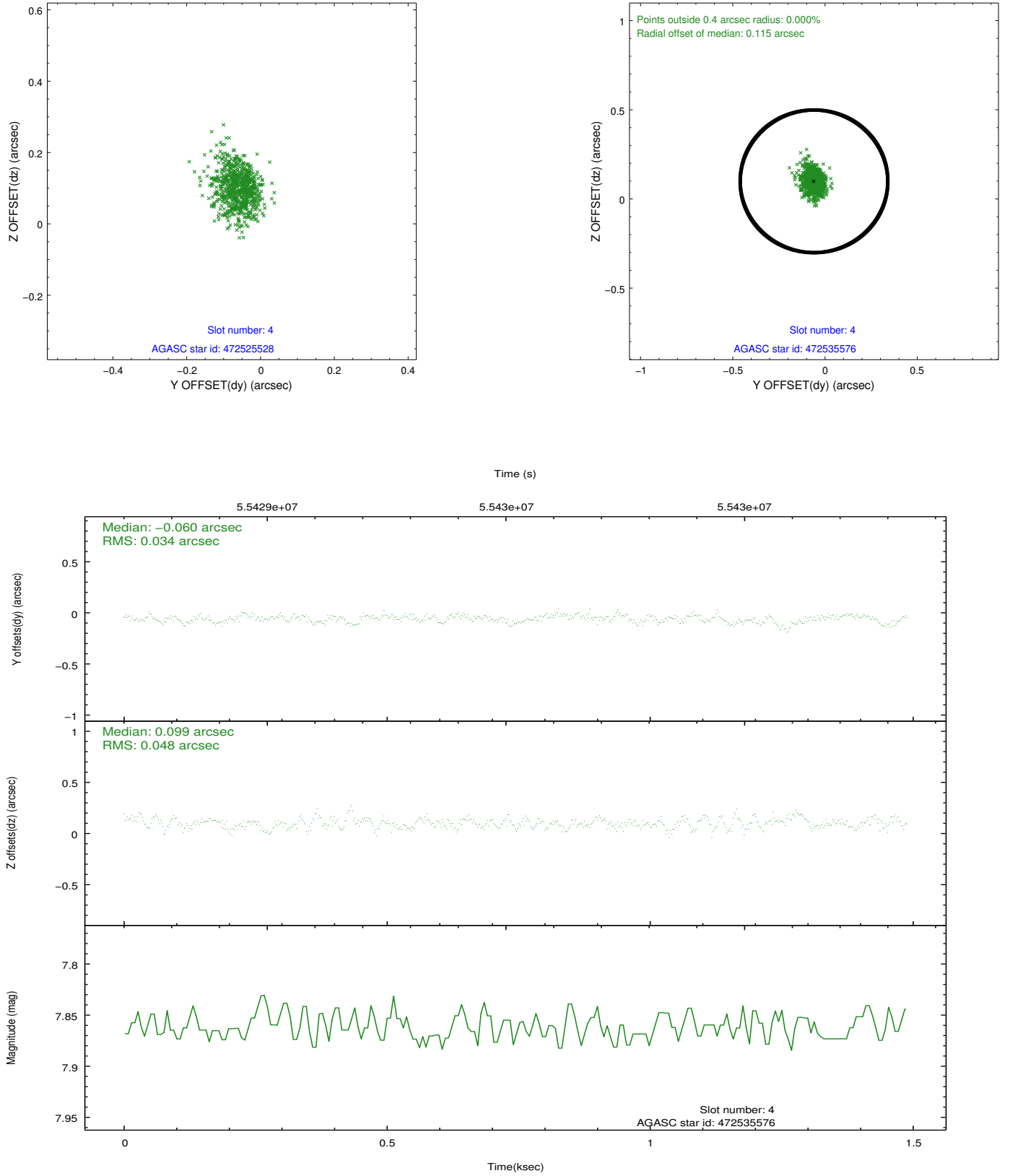
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	727	0.054	-0.014	0.007	0.012	0.000000	0.000000	-755.37	-1286.53
1	FID	HRC-I-3	7.05	727	0.051	-0.027	0.006	0.010	0.000000	0.000000	-1184.98	1016.43
2	FID	HRC-I-4	6.99	727	0.009	-0.048	0.007	0.012	0.000000	0.000000	1285.86	1017.23
3	GUIDE	472525528	6.65	727	-0.067	-0.061	0.064	0.107	331.551102	45.248694	2430.86	232.91
4	GUIDE	472535576	7.86	727	-0.060	0.099	0.061	0.104	331.438373	46.291802	-283.04	-2374.00
5	GUIDE	472665256	9.00	727	0.052	-0.098	0.063	0.104	332.808125	46.195041	-2209.83	460.02
6	GUIDE	472659832	9.46	727	0.062	-0.023	0.090	0.145	332.780399	46.098139	-1902.12	637.65
7	GUIDE	472654568	9.44	726	0.013	0.075	0.090	0.144	332.194449	45.063576	1895.55	1915.57

2.4 Star Slots

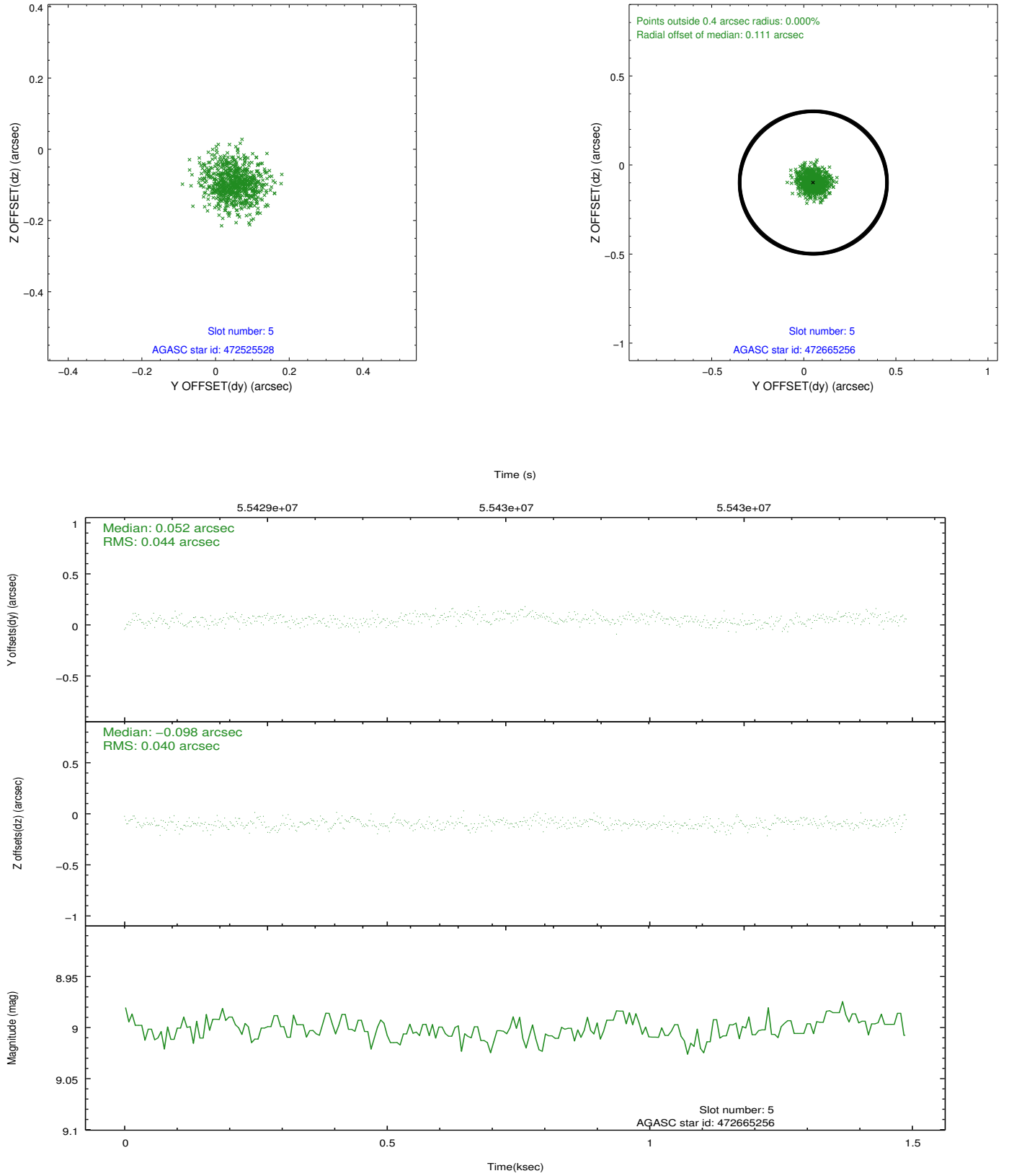
2.4.1 Slot 3



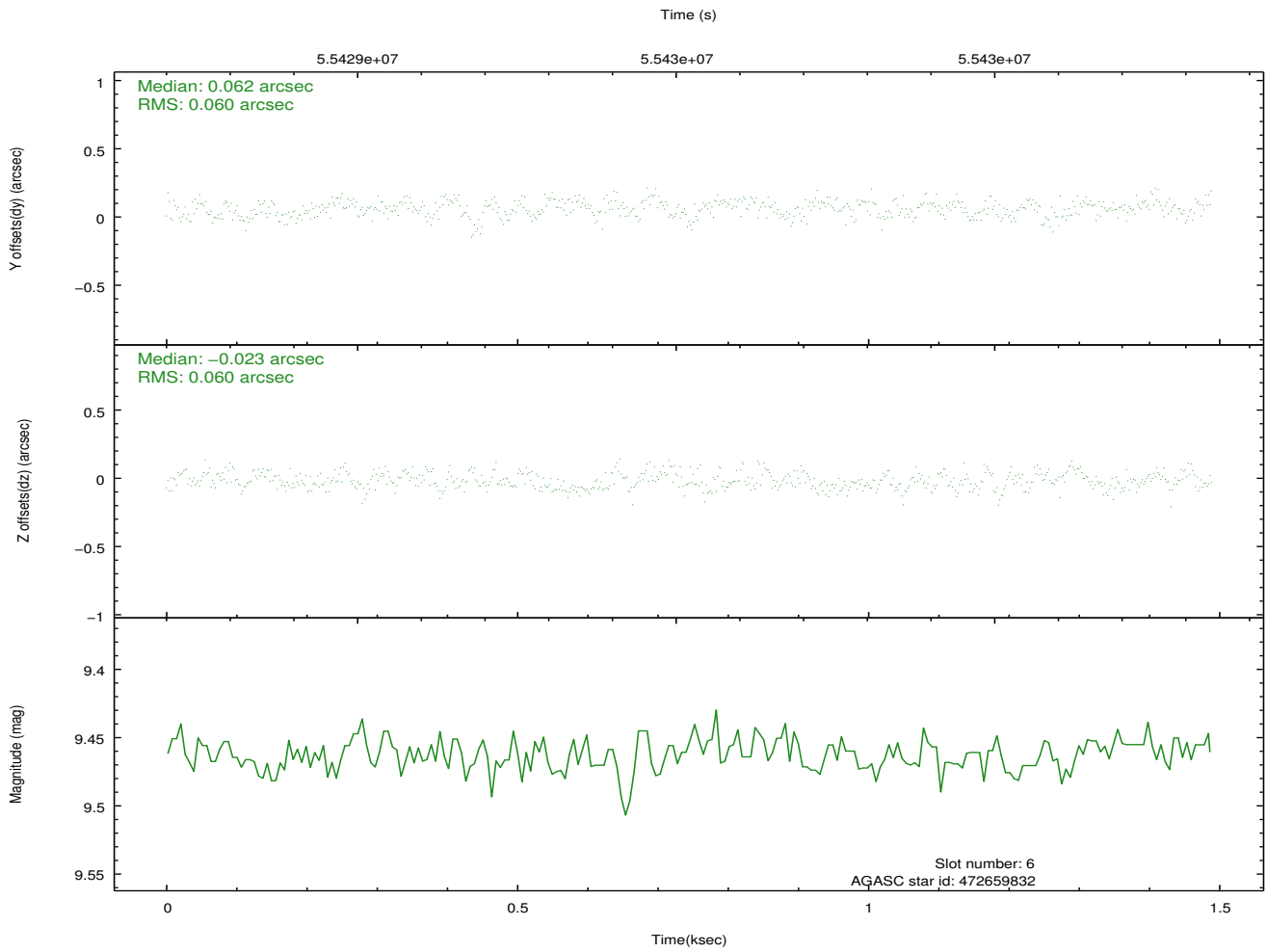
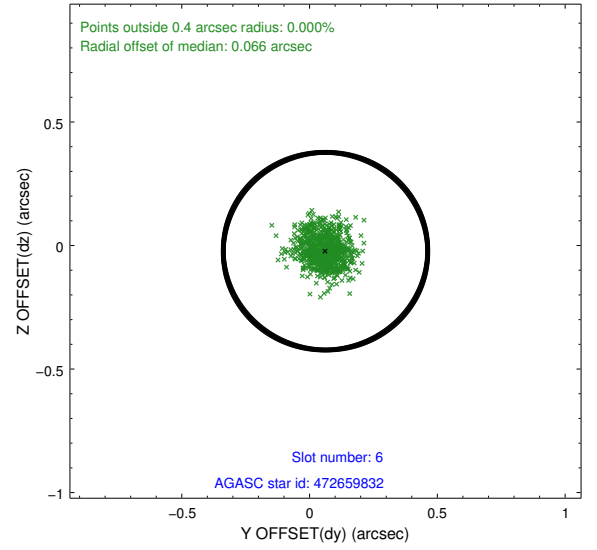
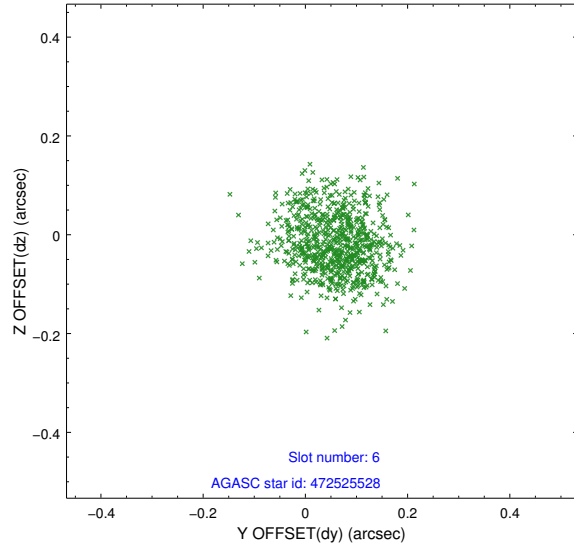
2.4.2 Slot 4



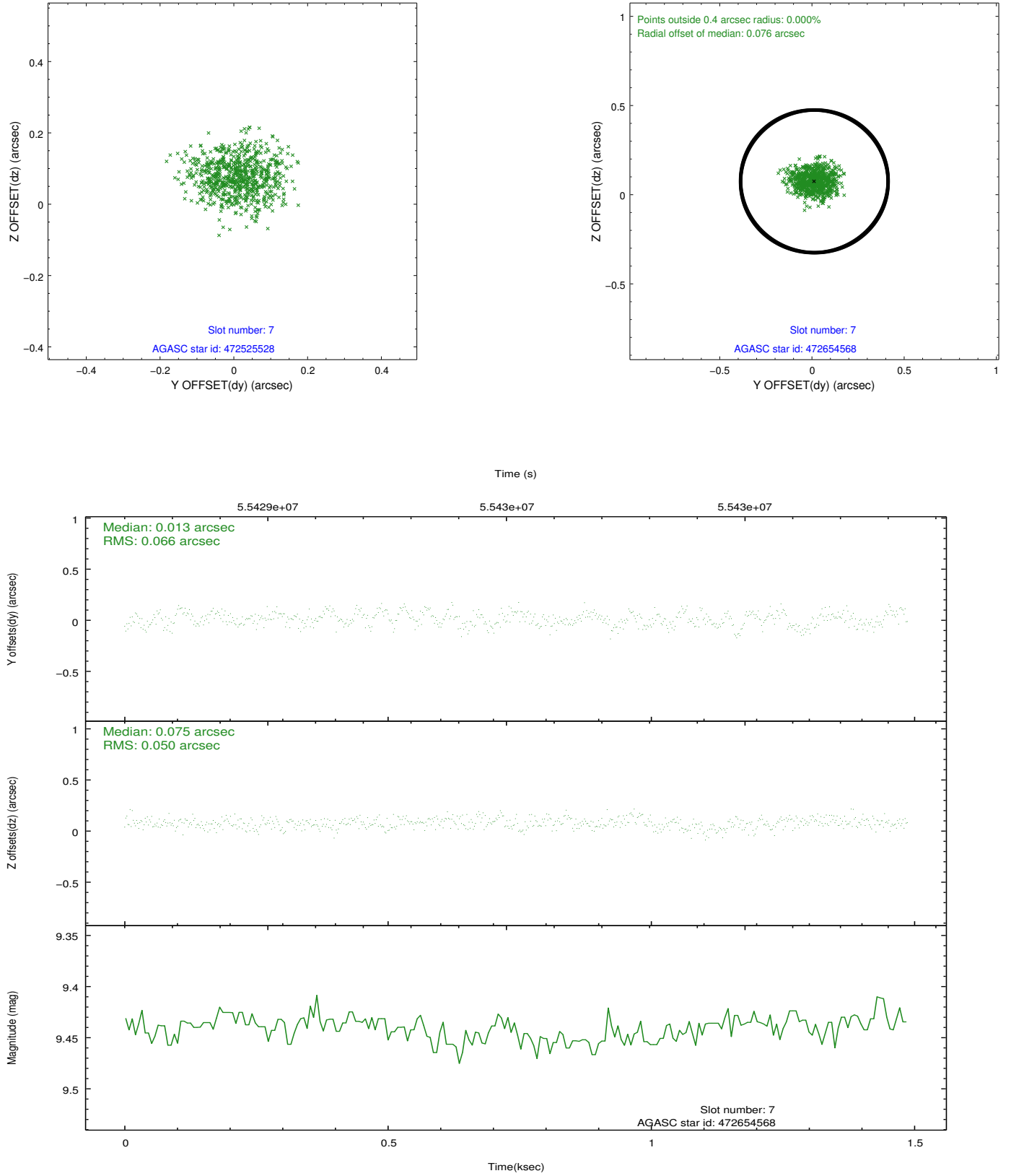
2.4.3 Slot 5



2.4.4 Slot 6

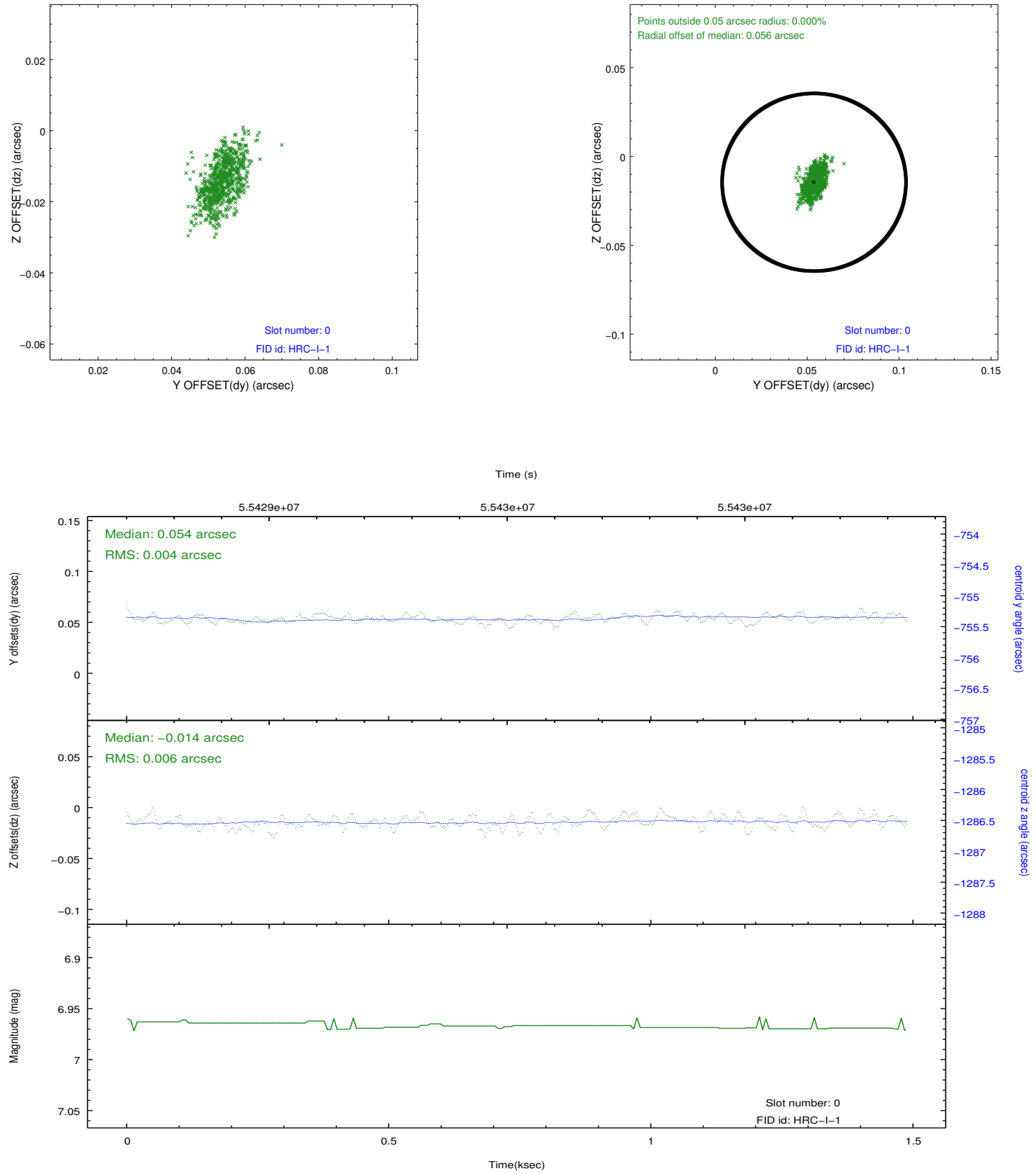


2.4.5 Slot 7

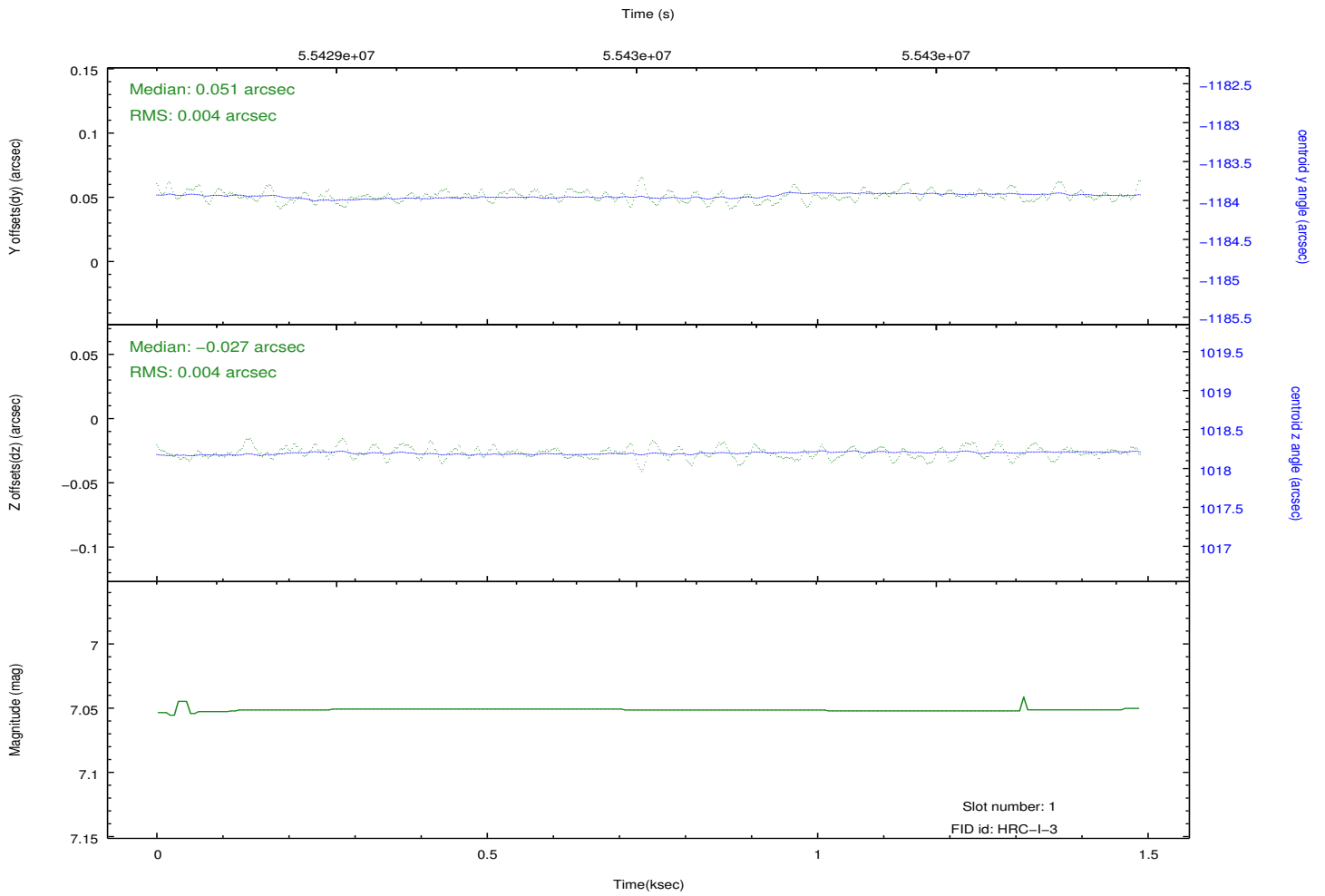
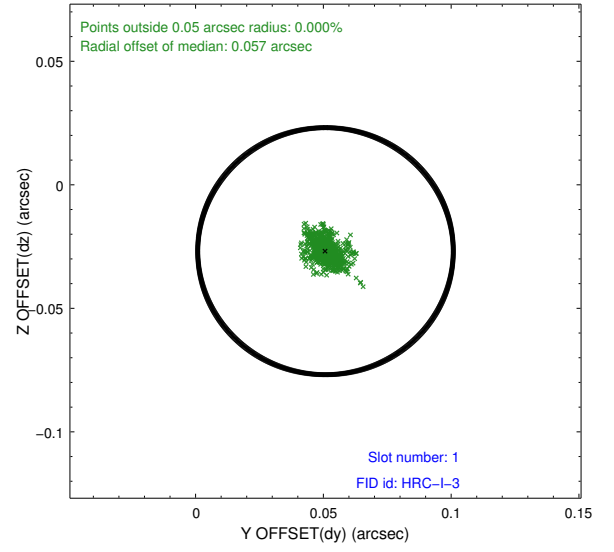
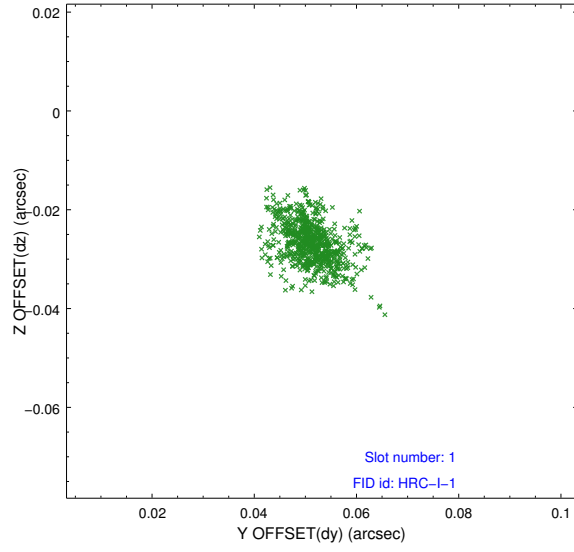


2.5 FID Slots

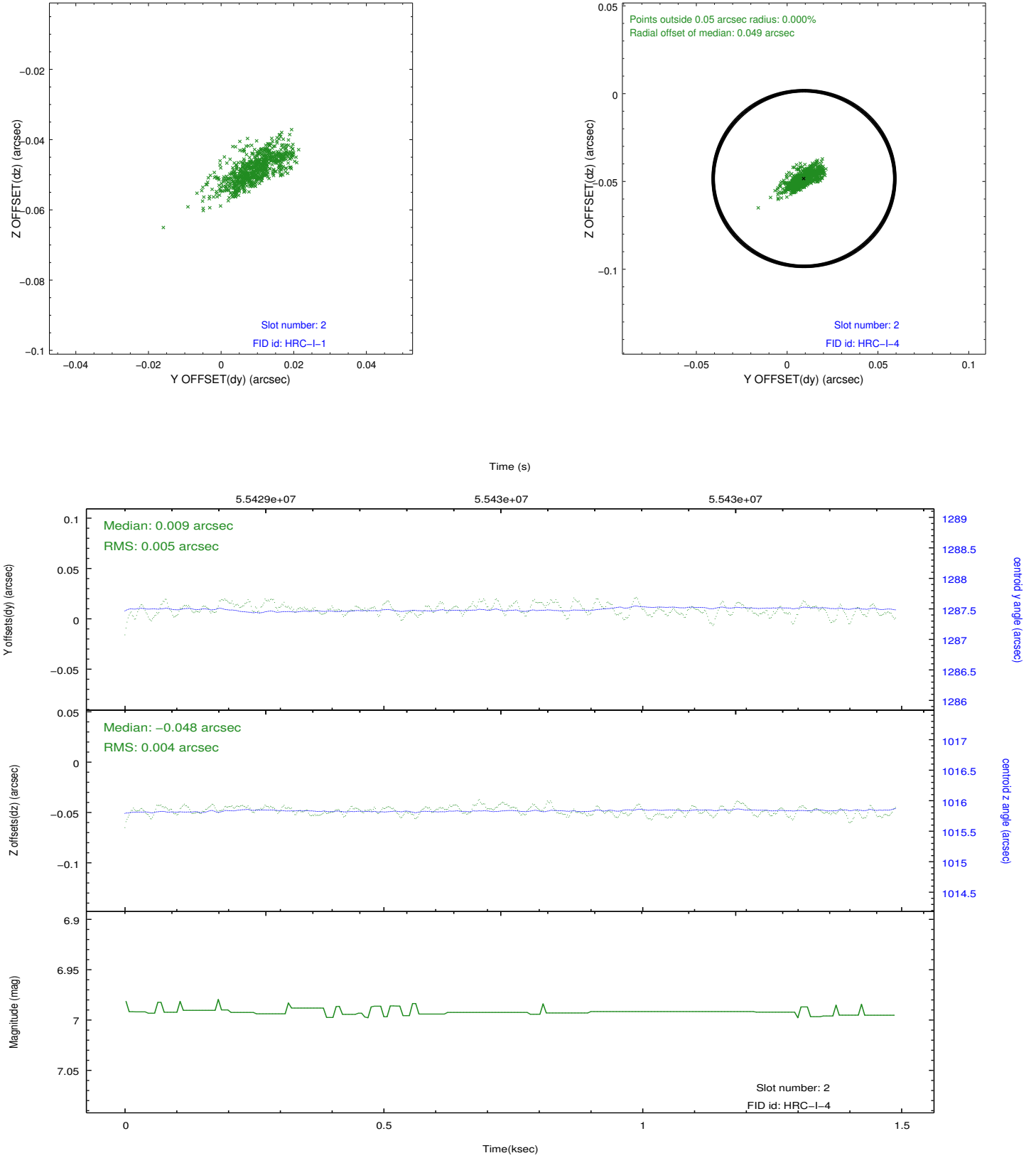
2.5.1 Slot 0



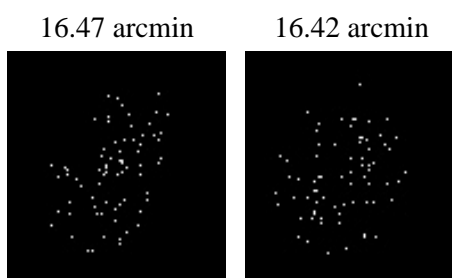
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.11.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.273

A.2 Comments

Charge time for this ObsId remains at previous value of 1.273 ks, although with the current processing the charge time would have been 1/275 ksec.

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The ObsId series 1319-1382 were intended to access the HRC-I gain variation across the detector as a function of MCP HV. They were performed as triples (3 different HV settings at each Y-/Z-offset). The best HRC-I focus was not determined at the time the observations were performed (the data to determine that were being analyzed during this series).