

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 5101 - L2 Version 4
Chandra X-Ray Center

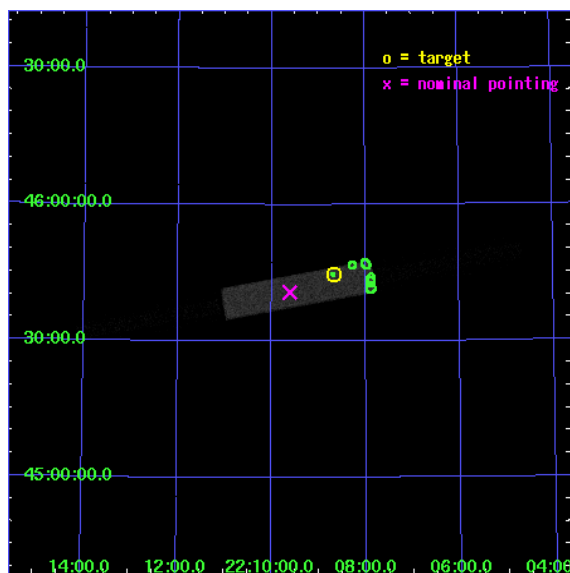
L2 Processing Date : Feb 9 2009

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	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

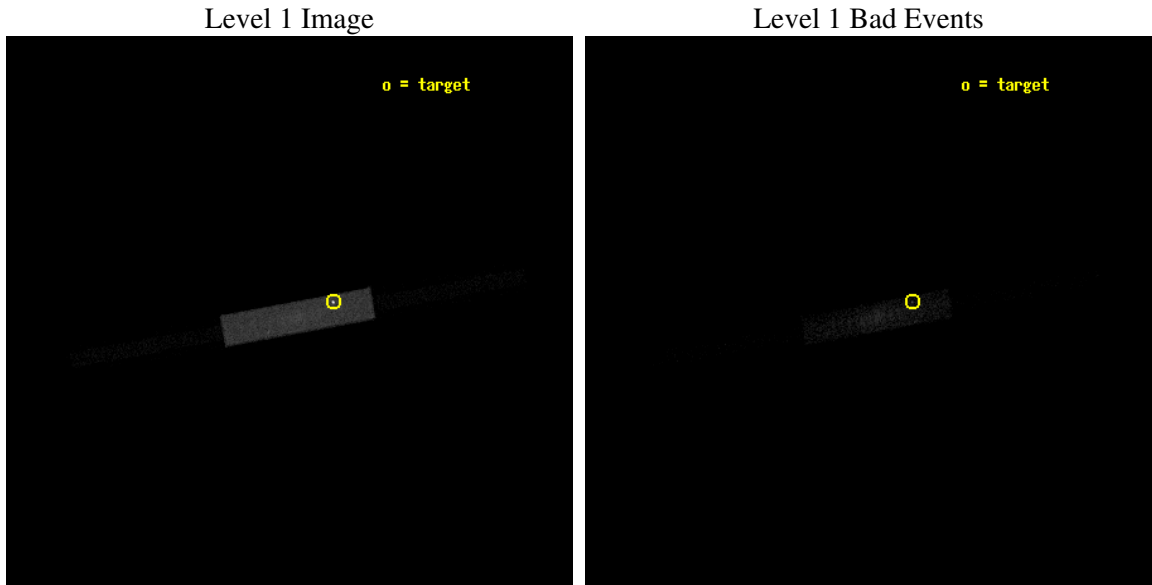
seq_num	290374
obs_id	5101
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.40257846307
dec_nom	45.679114017282
roll_nom	349.50250310242
revision	4
ontime	1109.0500485003
livetime	1103.2561874792
l2events	38758



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-09T17:34:19
revision	4

sched_exp_time	946.000000
ontime	1109.0500485003
l1events	52245

2.1.3 Events

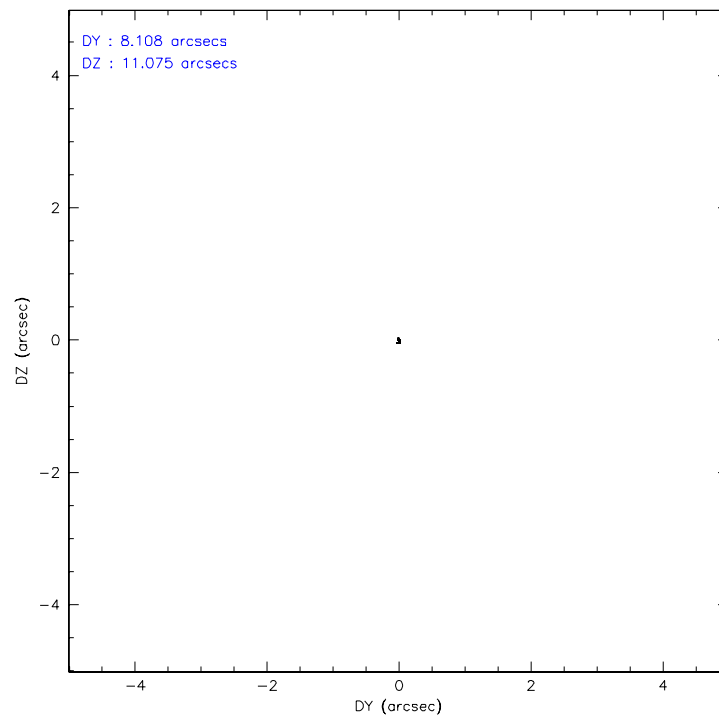
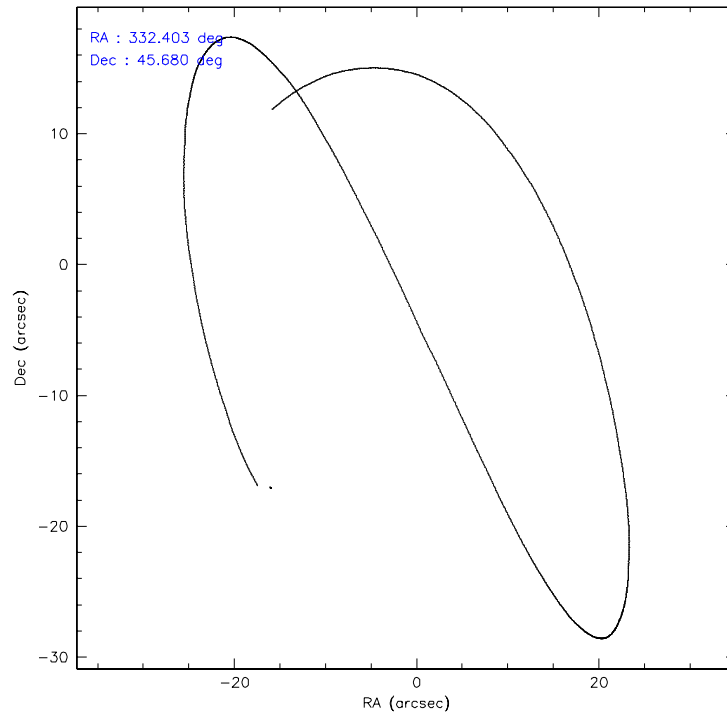
Level 1 Events

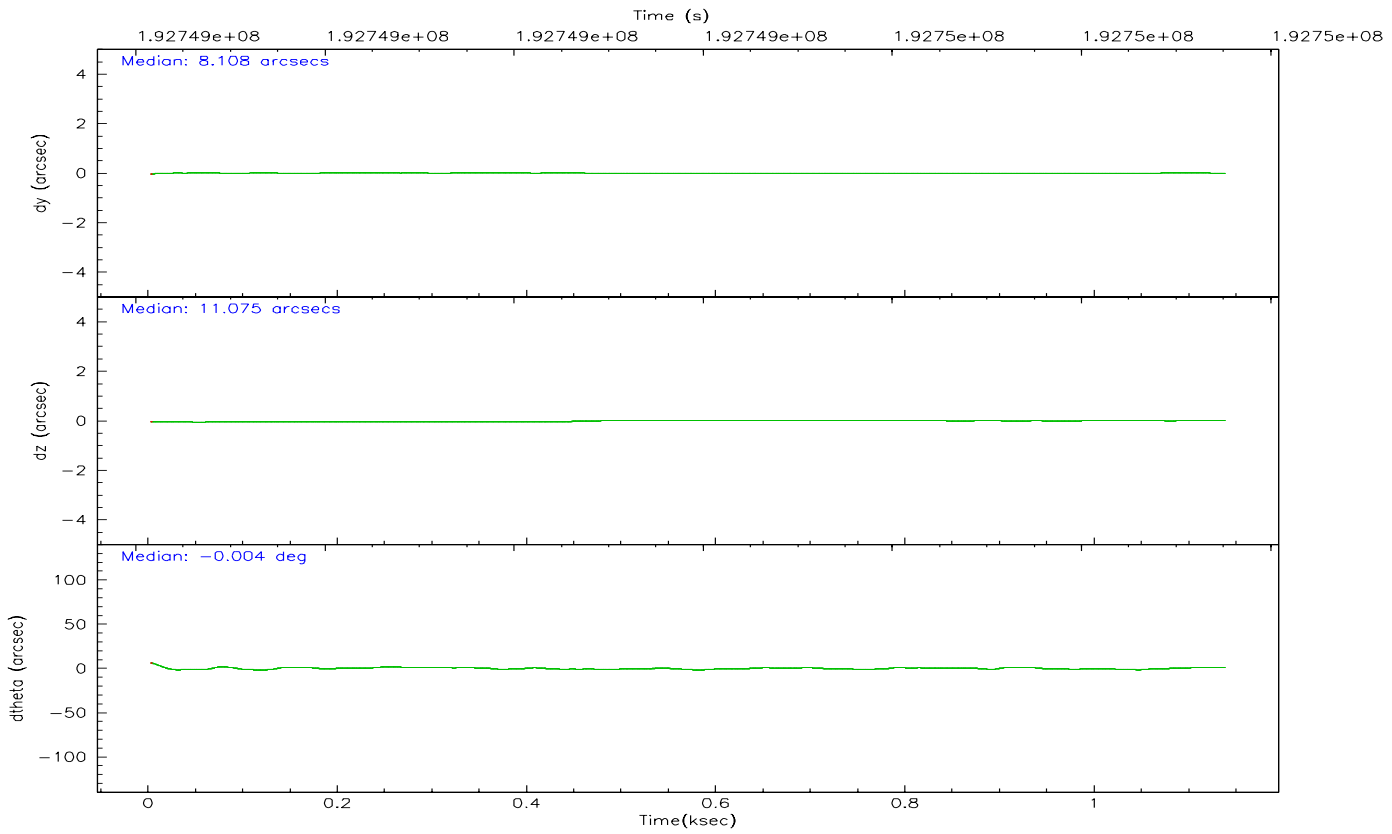
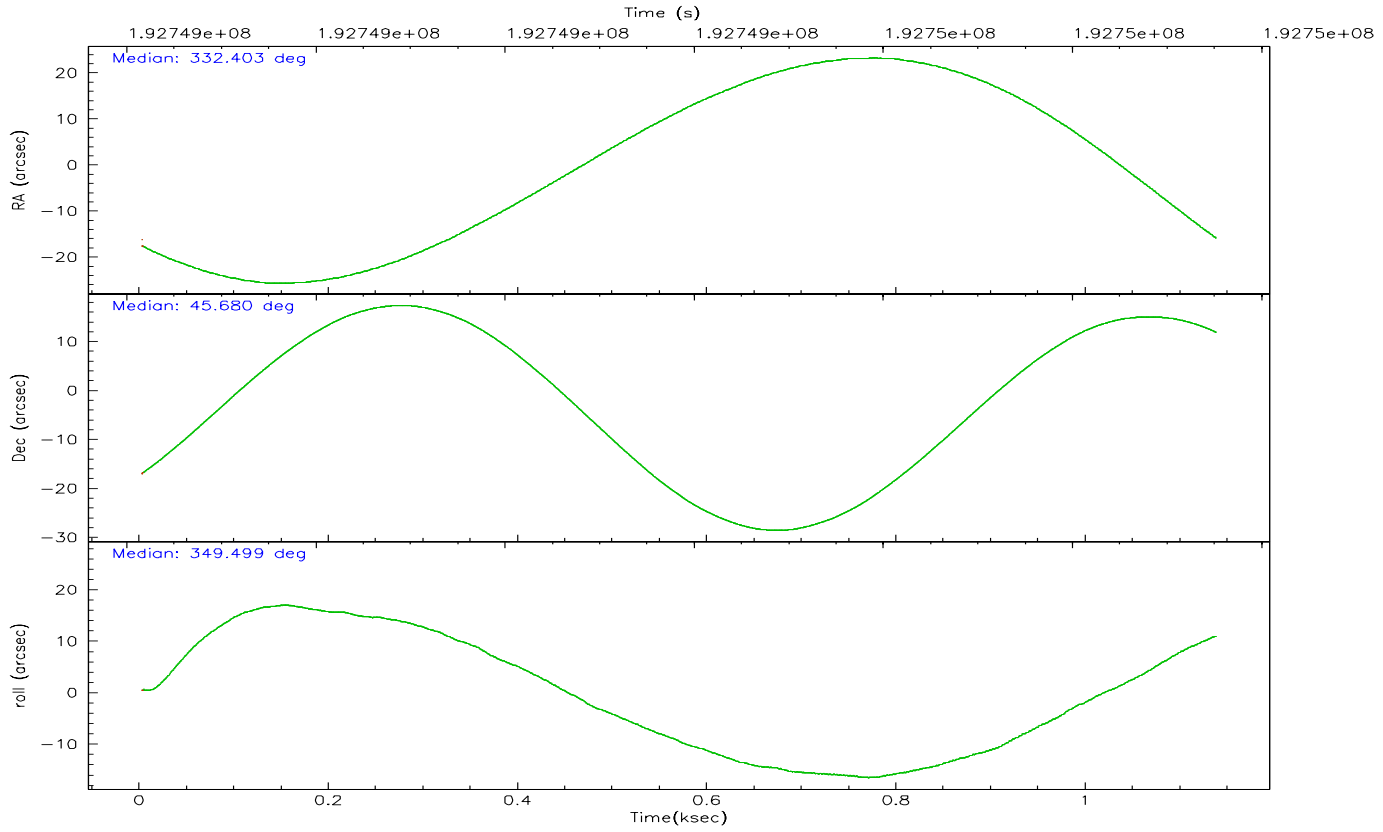
	segment 1	segment 2	segment 3
level 1 events	987	50198	1060
rejected events	489	9456	531
rejected %	49%	18%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.4025784630743	332.4025784630743			
Pointing Dec	45.67911401728163	45.67911401728163			
Pointing Roll	349.5025031024244	349.5025031024244			
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
SIM defocus (mm)	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
SIM translation stage offset (mm)	-0.01005726120527584	-0.01005726120527584			
Observation start time	192748818.3105106	192748818.3105106			
Observation start date	2004-02-09T21:22:25	2004-02-09T21:20:18			
Observation end time	192749956.0605603	192749956.0605603			
Observation end date	2004-02-09T21:38:11	2004-02-09T21:39:16			

2.3 Aspect



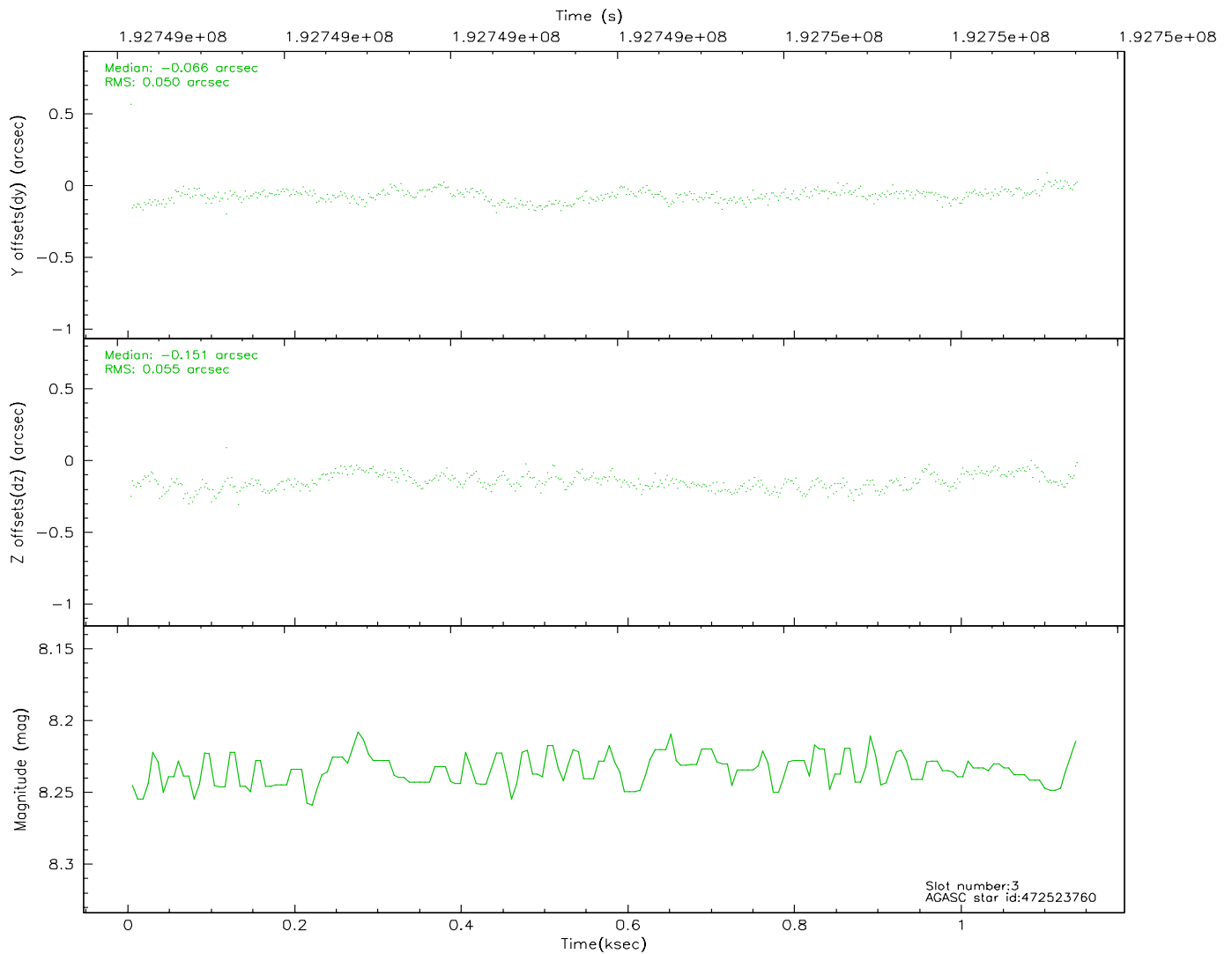
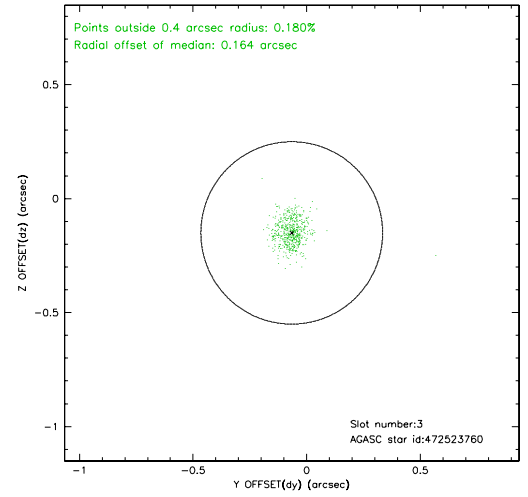
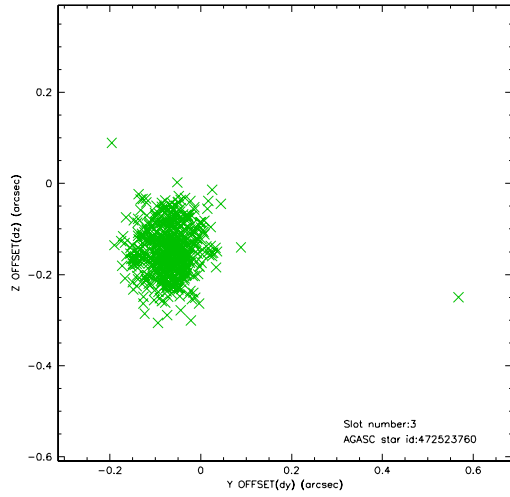


Slot Statistics

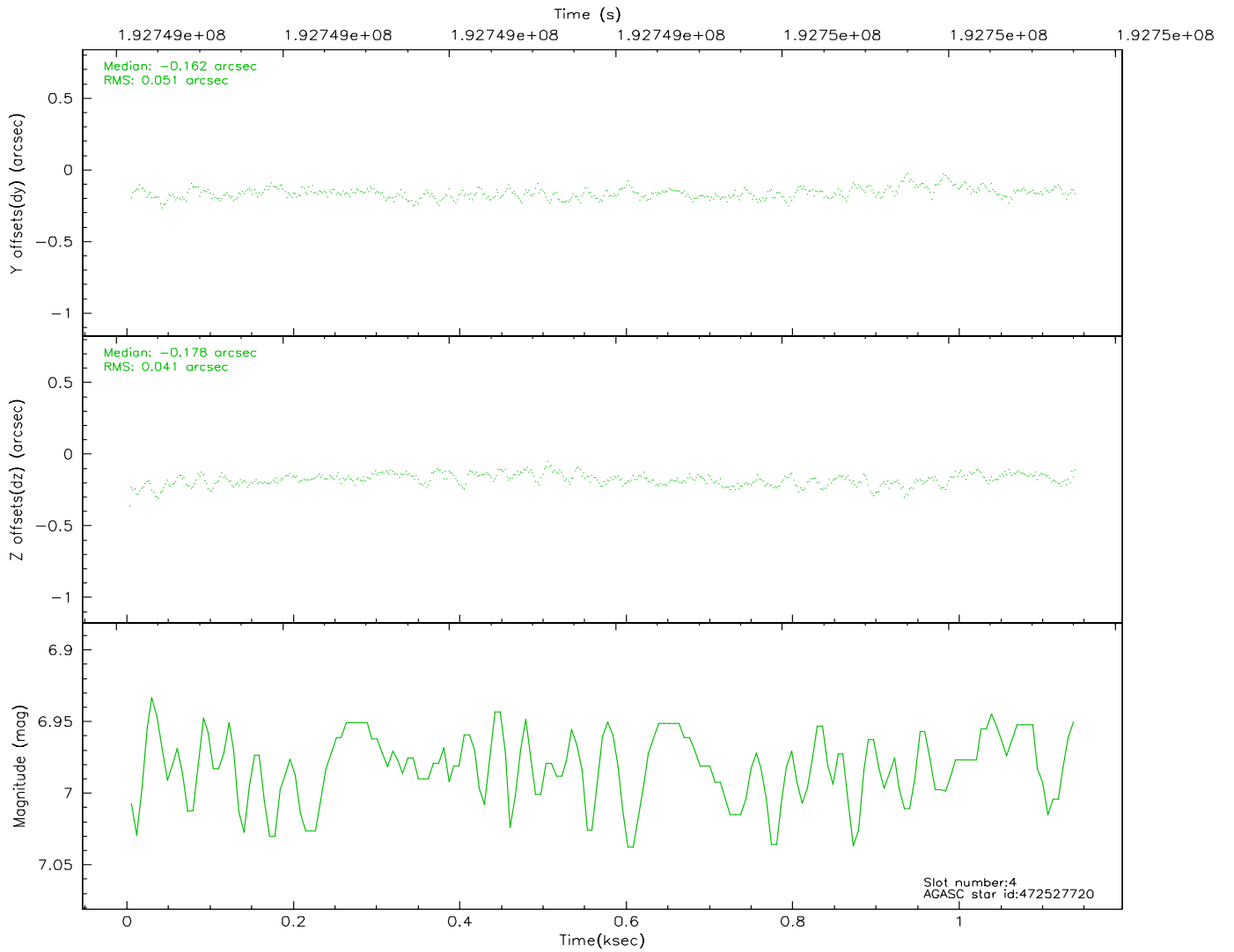
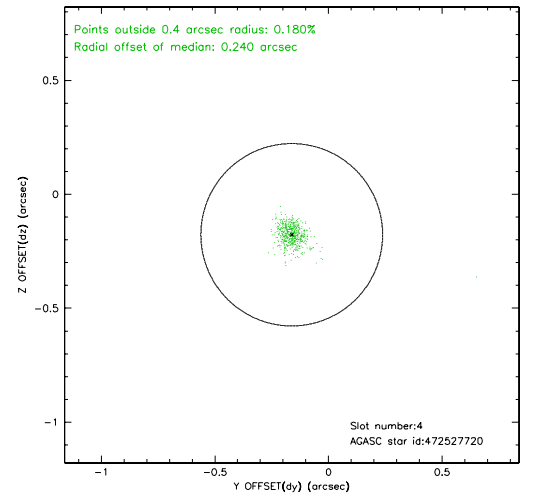
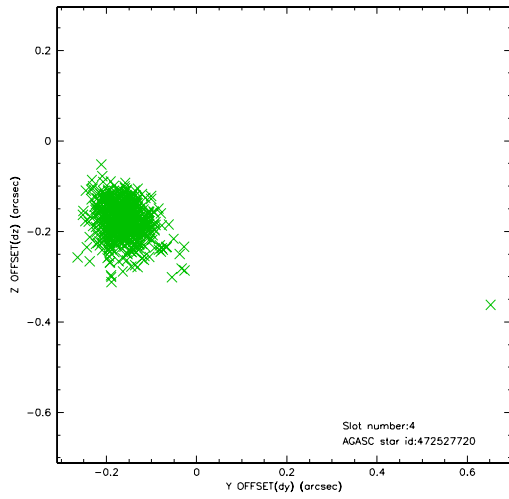
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	278	0.112	-0.130	0.005	0.010	0.000000	0.000000	-1162.29	-459.77
1	FID	HRC-S-2	7.01	278	0.092	-0.144	0.009	0.016	0.000000	0.000000	1233.19	-454.04
2	FID	HRC-S-4	6.99	278	0.199	-0.030	0.008	0.014	0.000000	0.000000	1240.48	570.82
3	GUIDE	472523760	8.23	555	-0.066	-0.151	0.074	0.116	331.645363	45.403260	-1614.61	-1262.45
4	GUIDE	472527720	6.98	555	-0.162	-0.178	0.057	0.100	331.460205	45.112509	-1898.68	-2376.87
5	GUIDE	472533912	9.18	555	0.007	0.039	0.130	0.212	331.791136	46.368695	-1866.53	2219.48
6	GUIDE	472659832	9.48	555	-0.015	0.036	0.144	0.214	332.780399	46.098139	733.19	1718.28
7	GUIDE	472660976	8.61	554	0.249	0.233	0.069	0.117	333.433329	46.196713	2268.23	2378.83

2.4 Star Slots

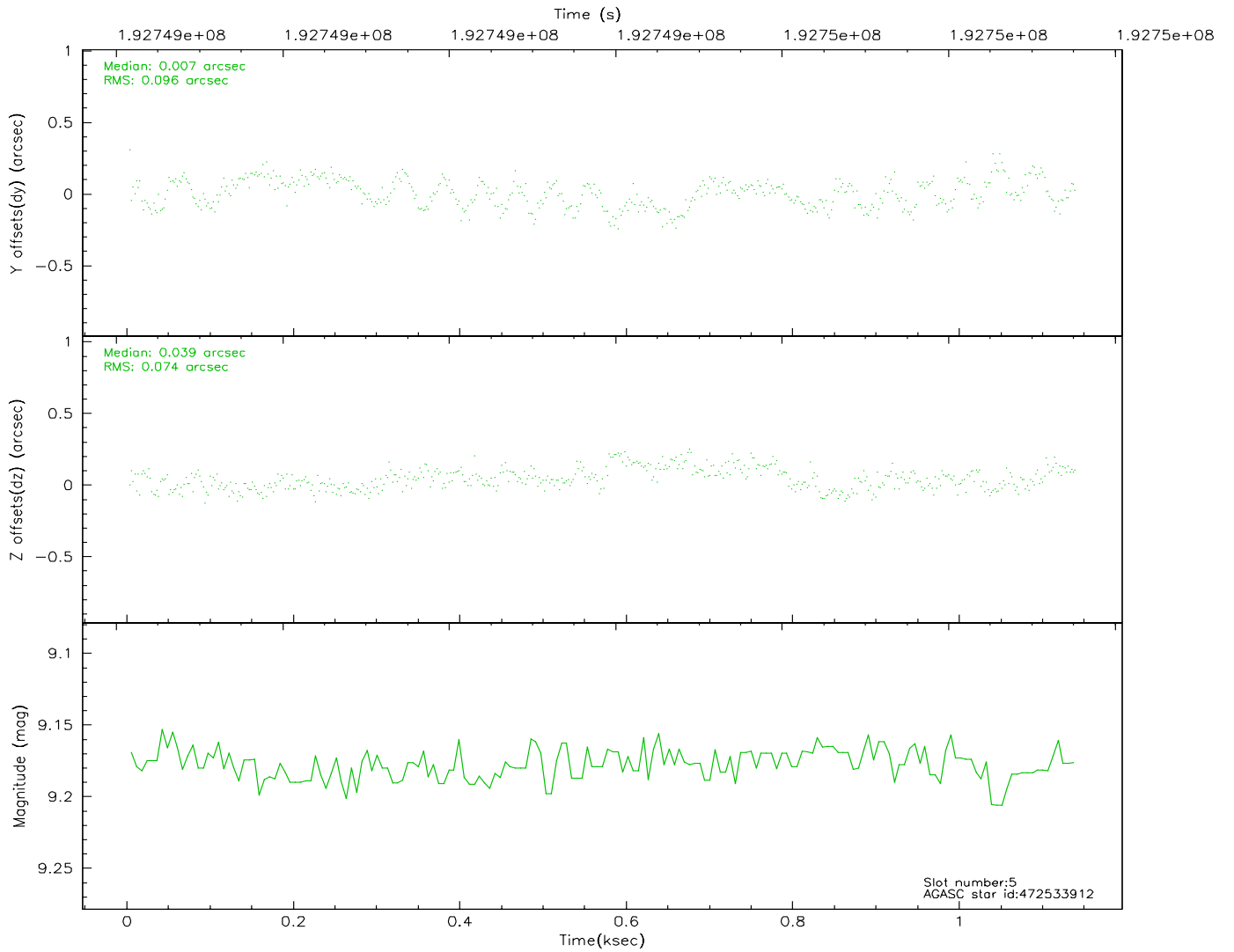
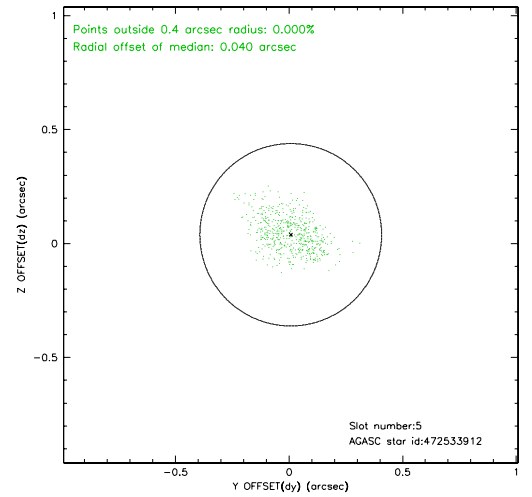
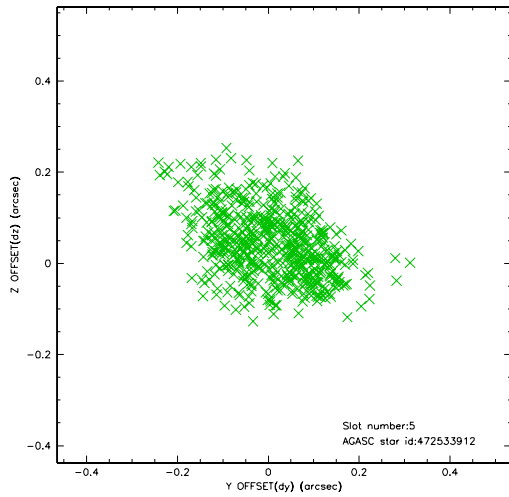
2.4.1 Slot 3



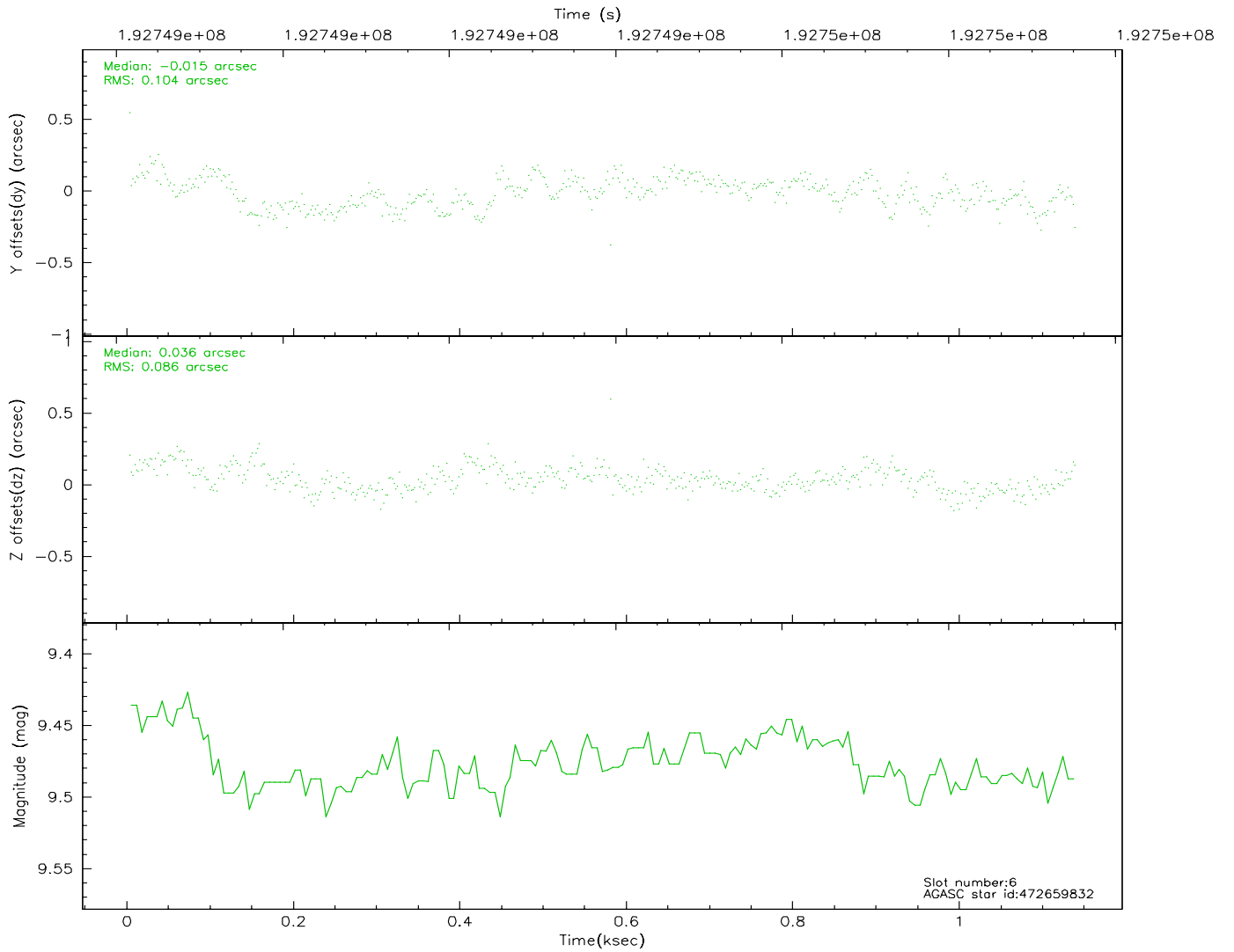
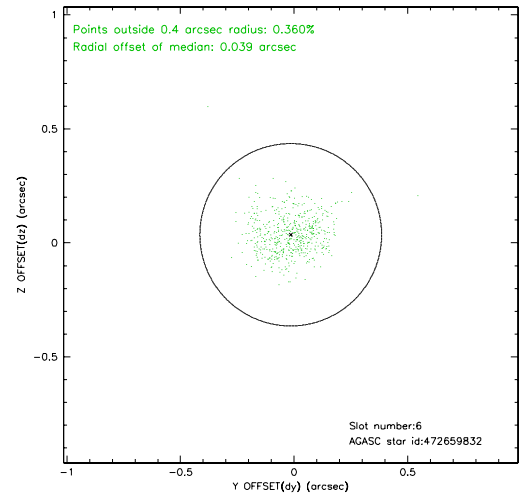
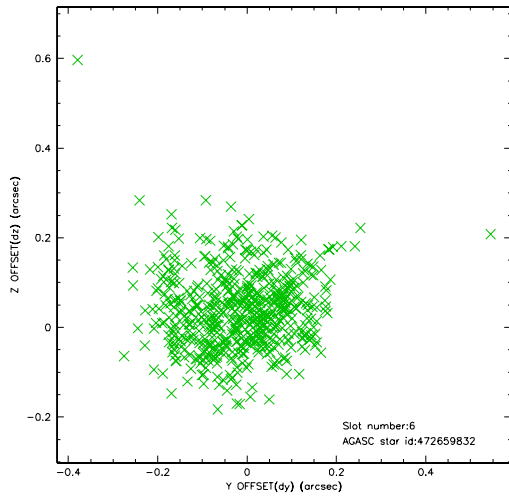
2.4.2 Slot 4



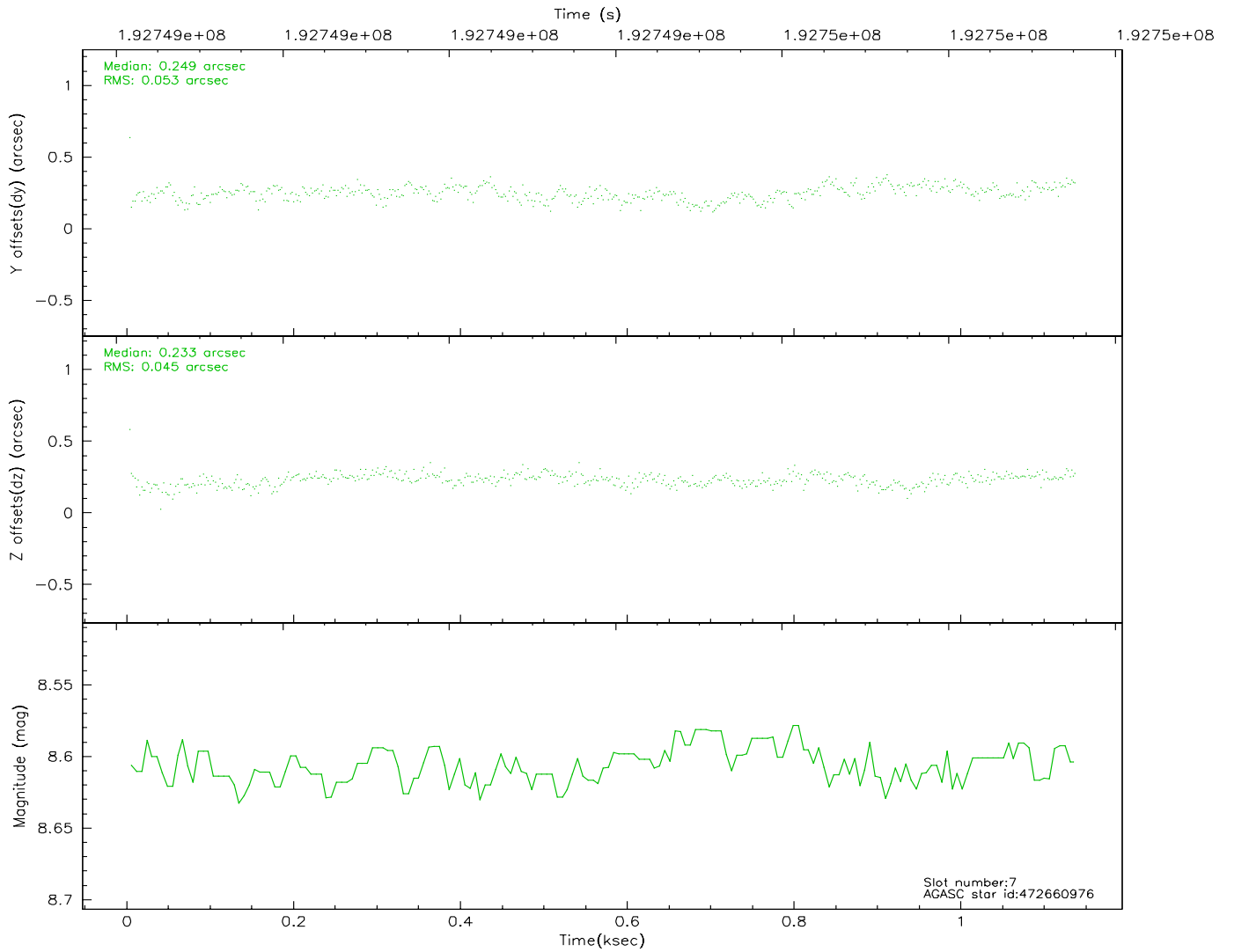
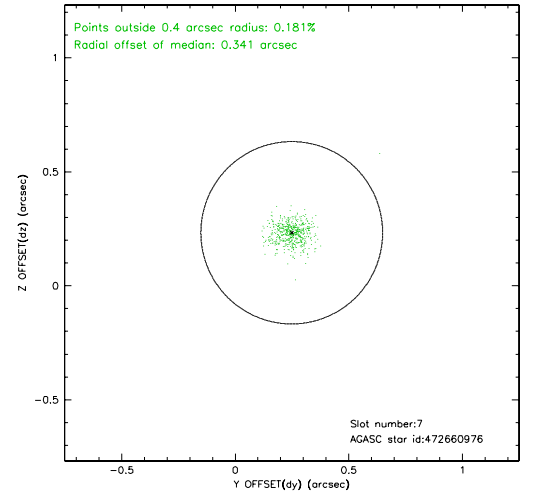
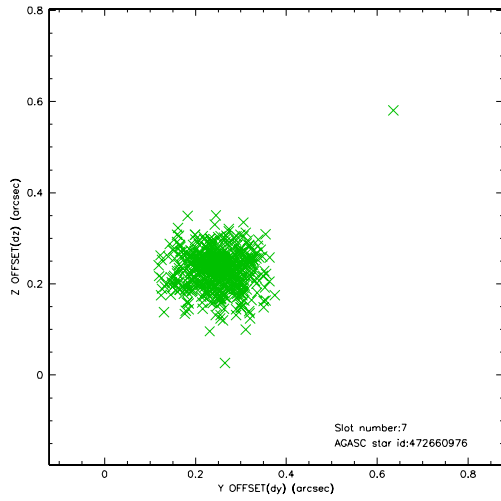
2.4.3 Slot 5



2.4.4 Slot 6

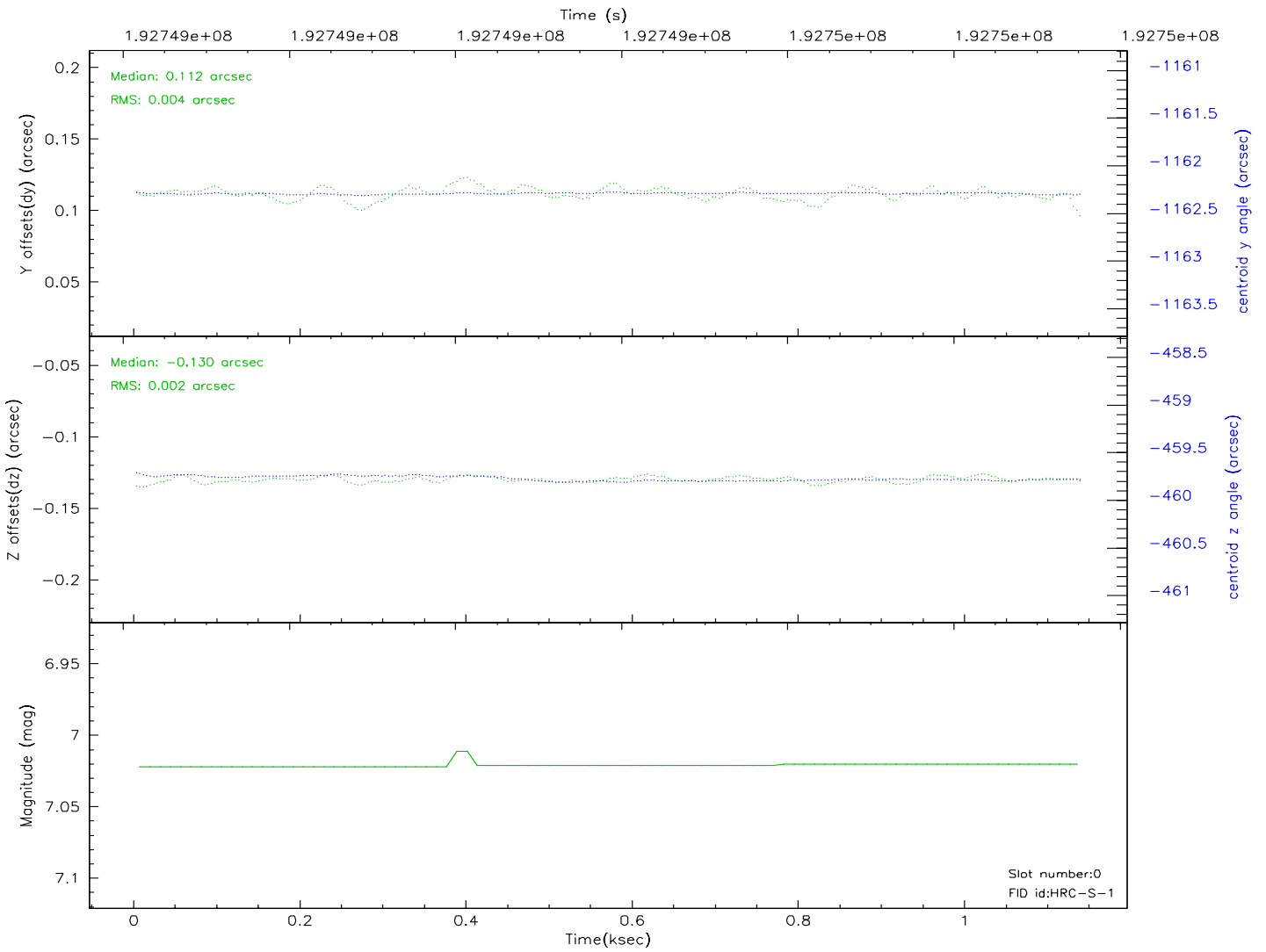
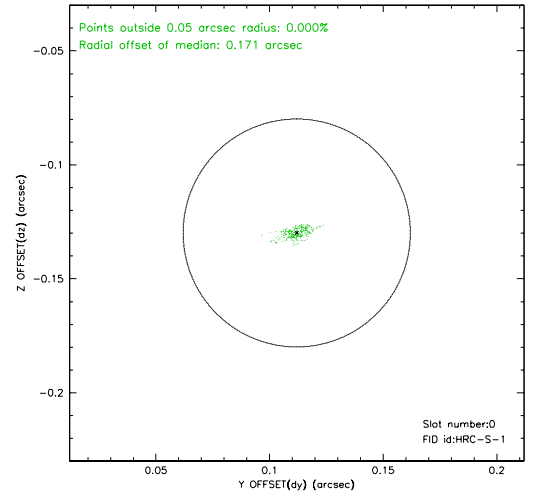
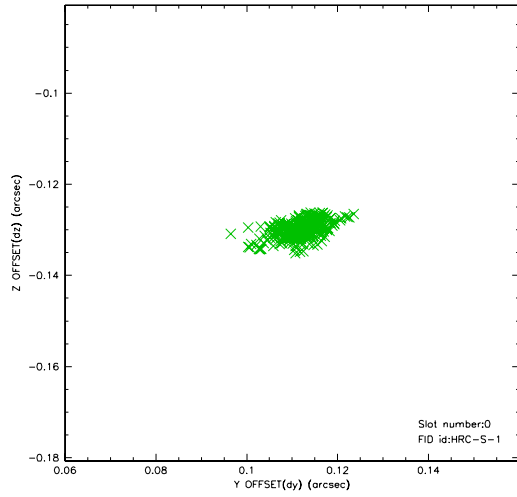


2.4.5 Slot 7

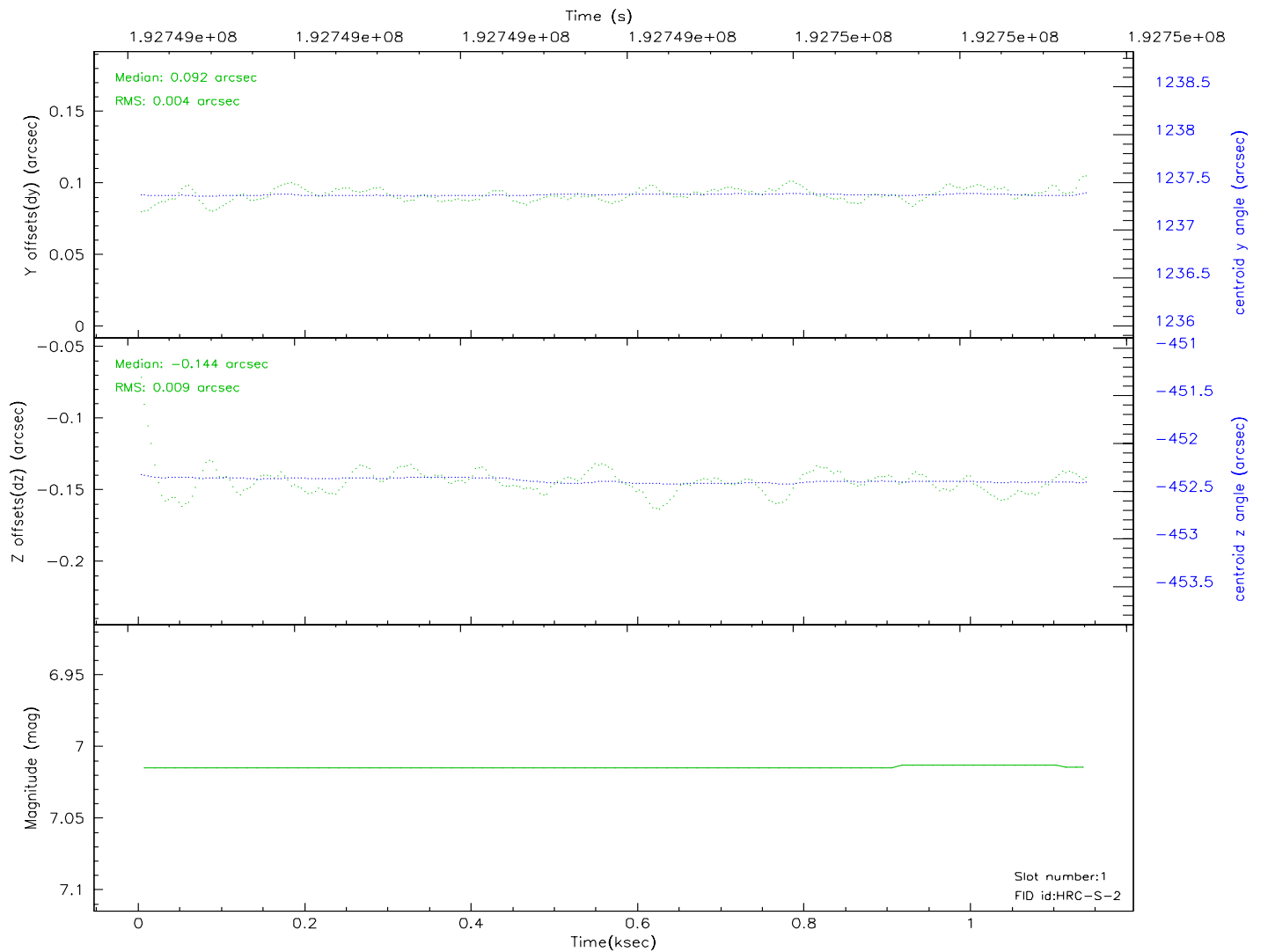
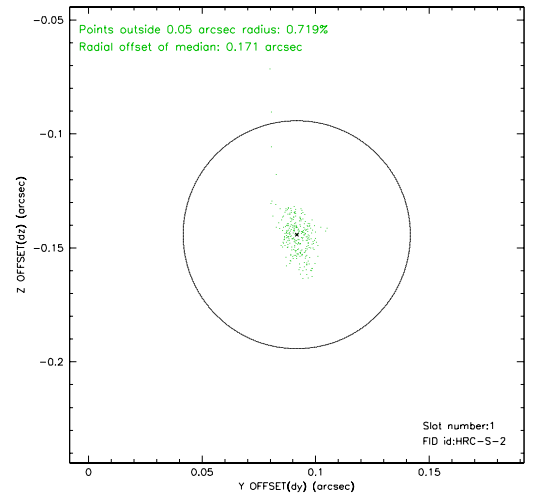
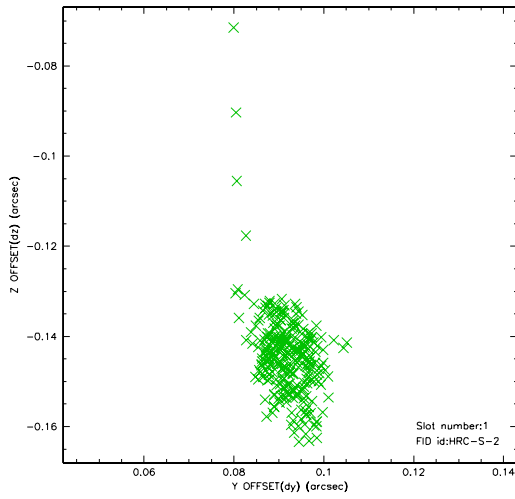


2.5 FID Slots

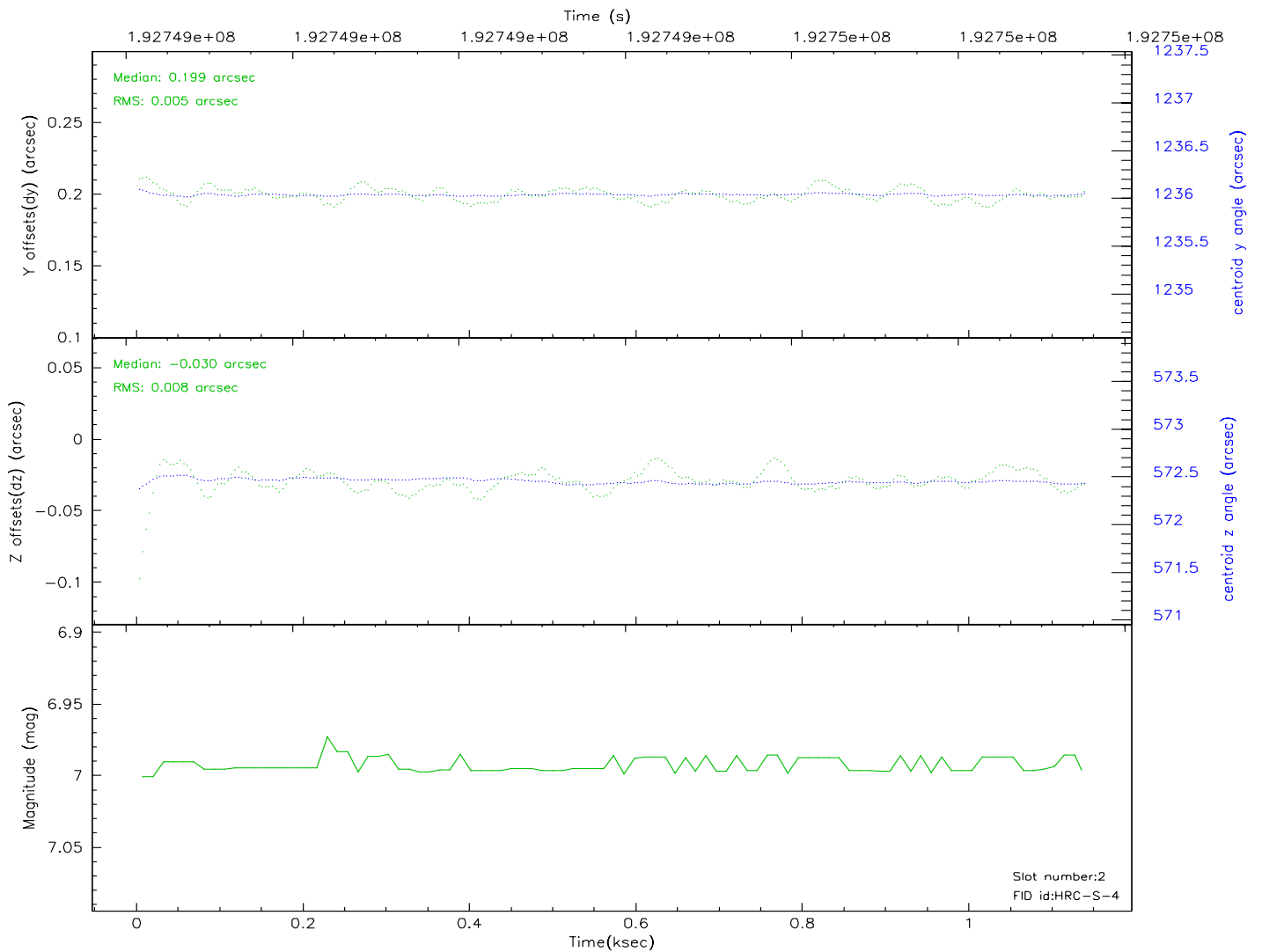
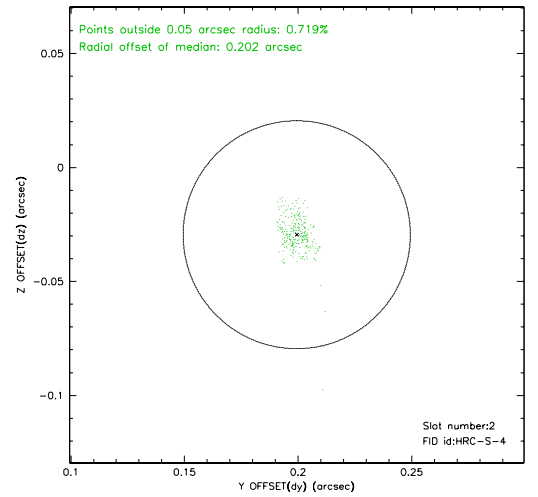
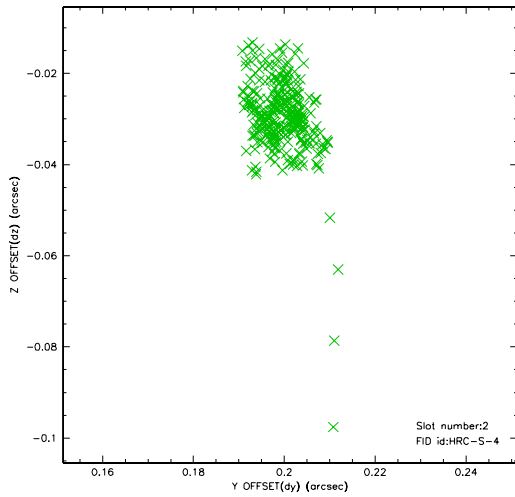
2.5.1 Slot 0



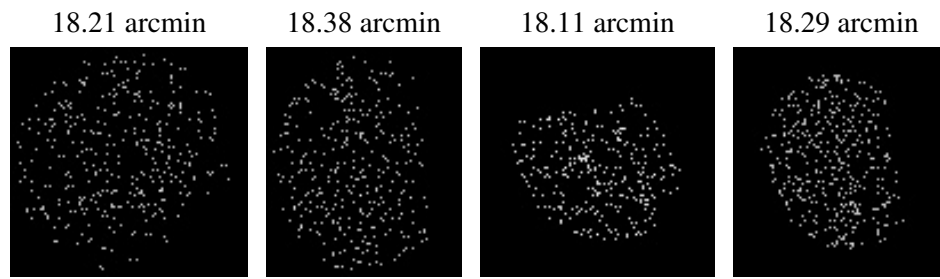
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.111

A.2 Comments

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.