

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 1362 - L2 Version 4

Chandra X-Ray Center

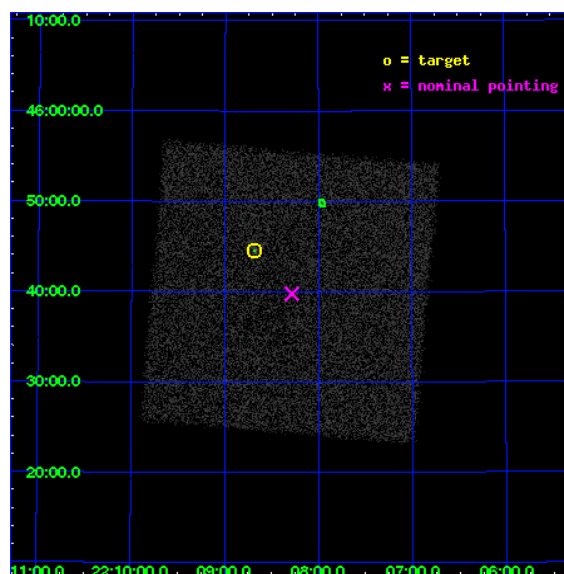
L2 Processing Date : Nov 19 2009

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# 1 Front

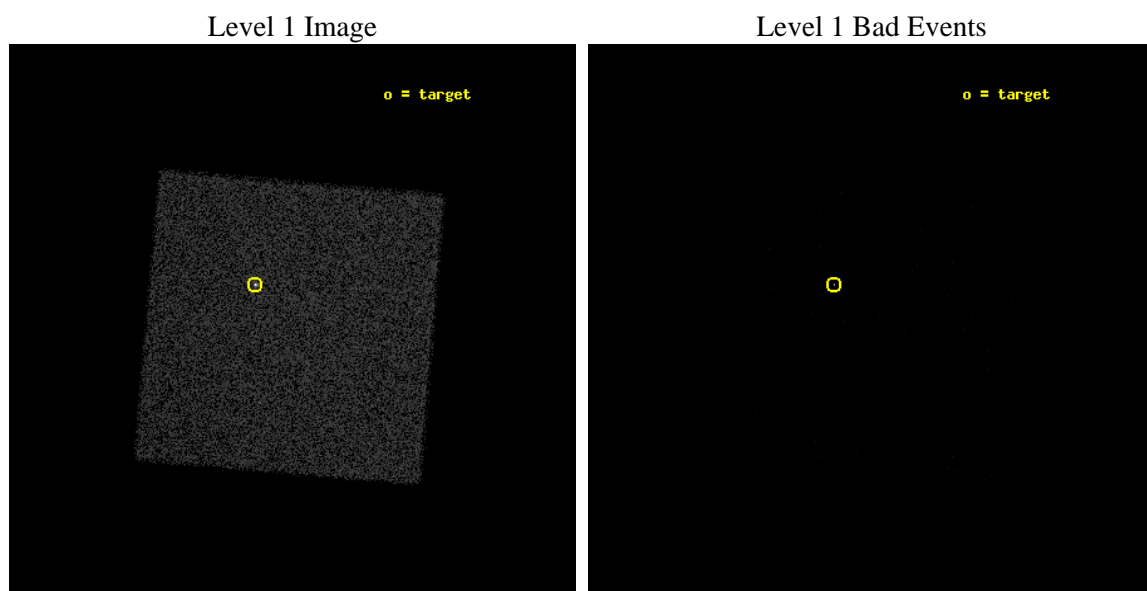
seq_num	280312	Sequence number
obs_id	1362	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.07090210588	Nominal RA
dec_nom	45.662806840234	Nominal Dec
roll_nom	229.96091037033	Nominal Roll
revision	4	Processing version of data
ontime	1277.4062960148	[s]
livetime	1268.5572337252	Ontime multiplied by DTCOR
l2events	40391	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	1277.4062960148	[s]
caldbver	4.1.4	&#160	l1events	67117	Number of level 1 events
date	2009-11-19T06:51:02	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

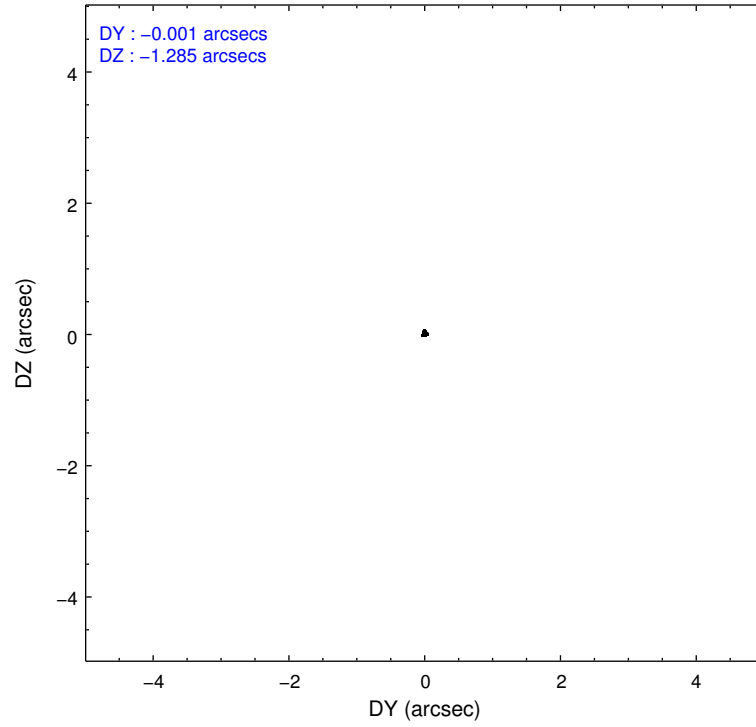
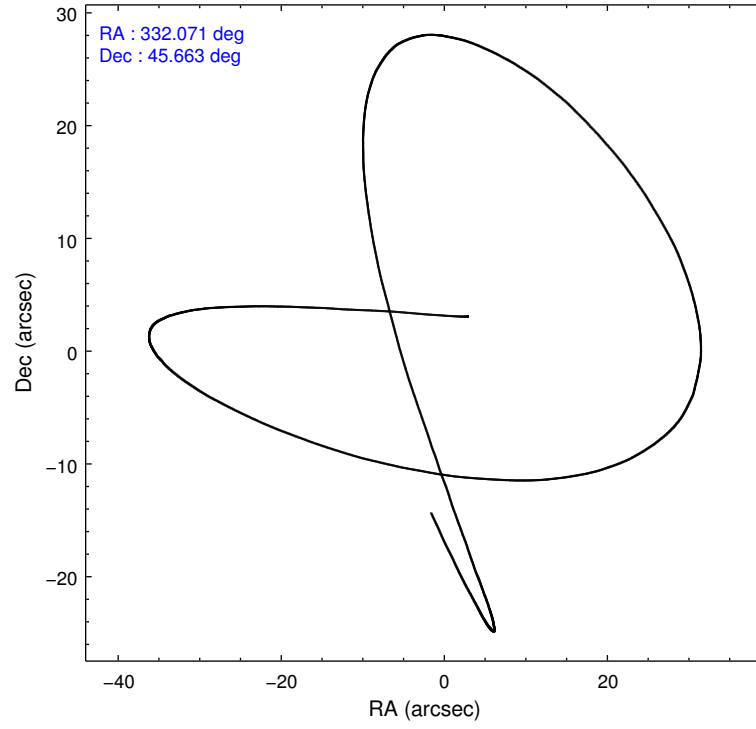
#### Level 1 Events

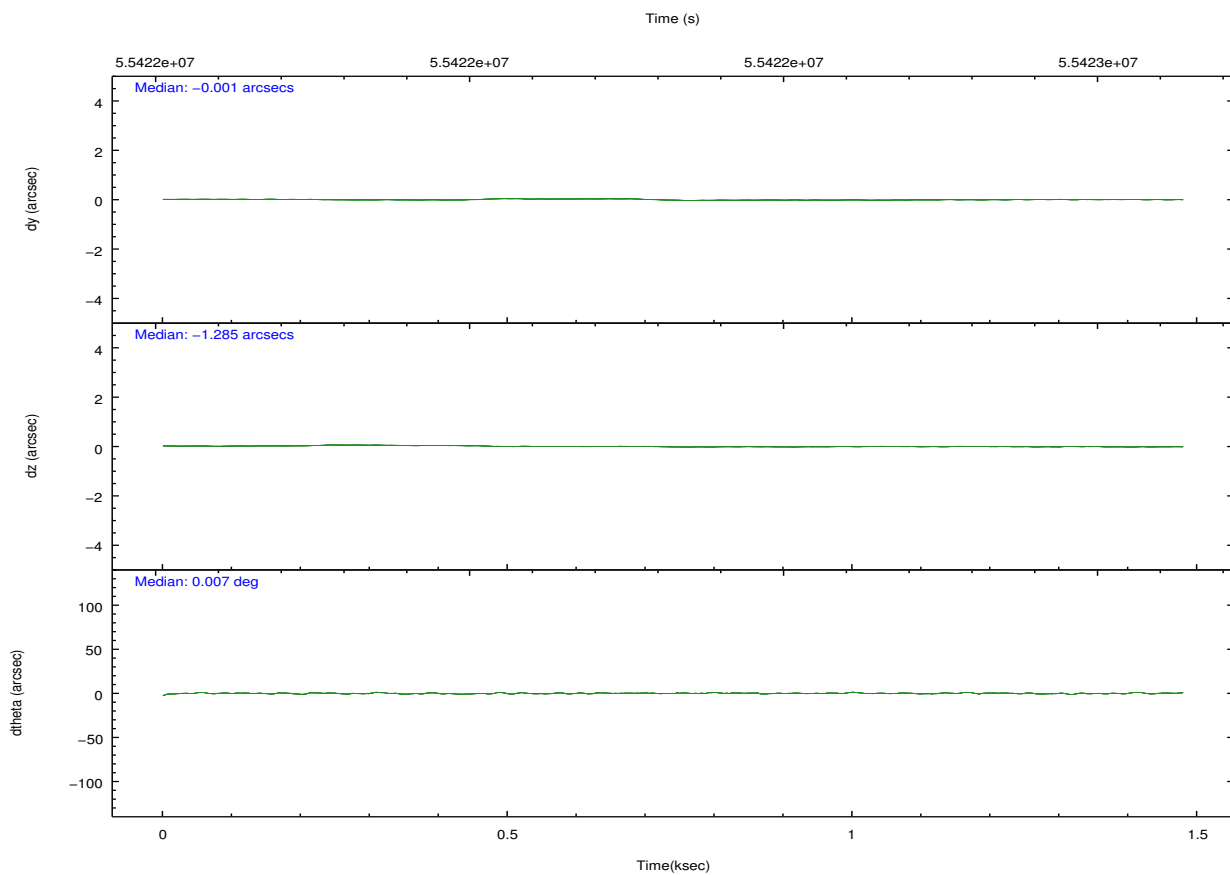
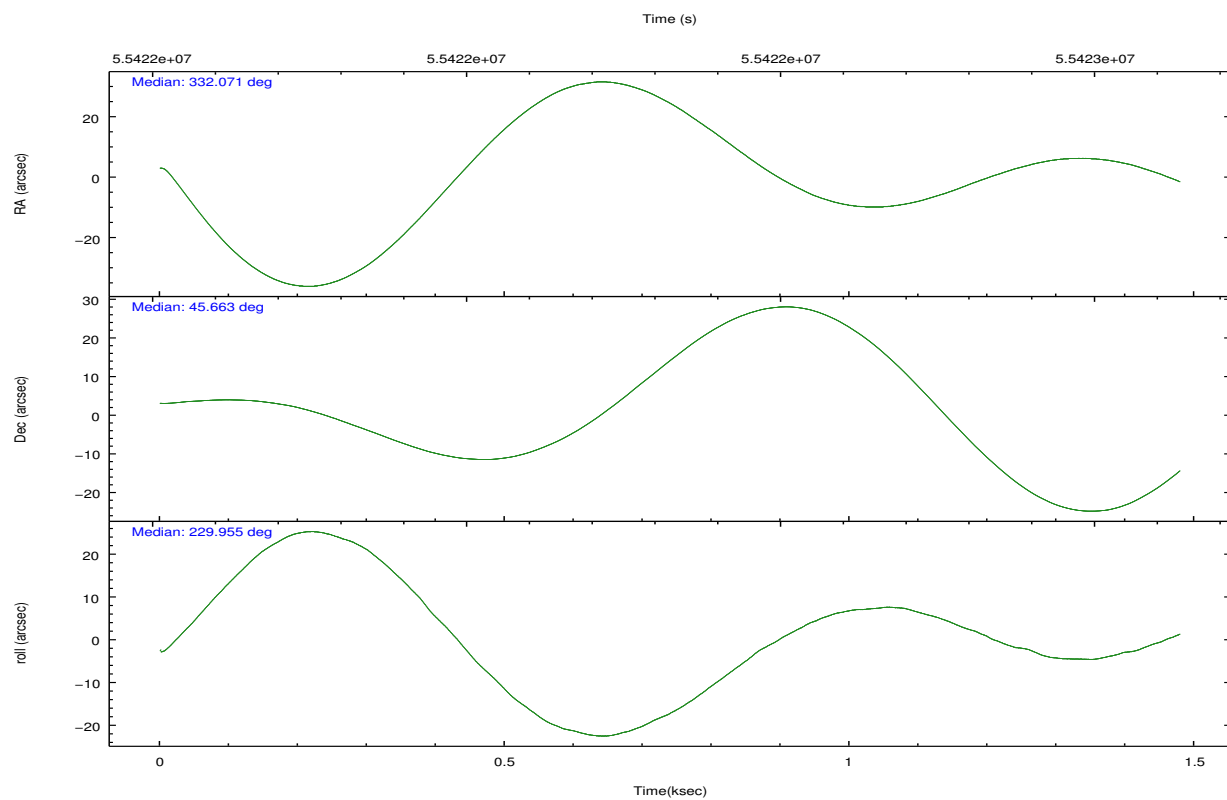
	<b>segment 0</b>
level 1 events	67117
rejected events	2665
rejected %	3%

## 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	332.078679	332.0709021058813			
Pointing Dec	45.690553	45.66280684023447			
Pointing Roll	230.050822	229.9609103703323			
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	55422064.184000	55421397.634002			
Observation start date	1999-10-04T11:00:00	1999-10-04T10:49:57			
Observation end time	55423064.184000	55423198.046567			
Observation end date	1999-10-04T11:16:40	1999-10-04T11:19:58			

## 2.3 Aspect





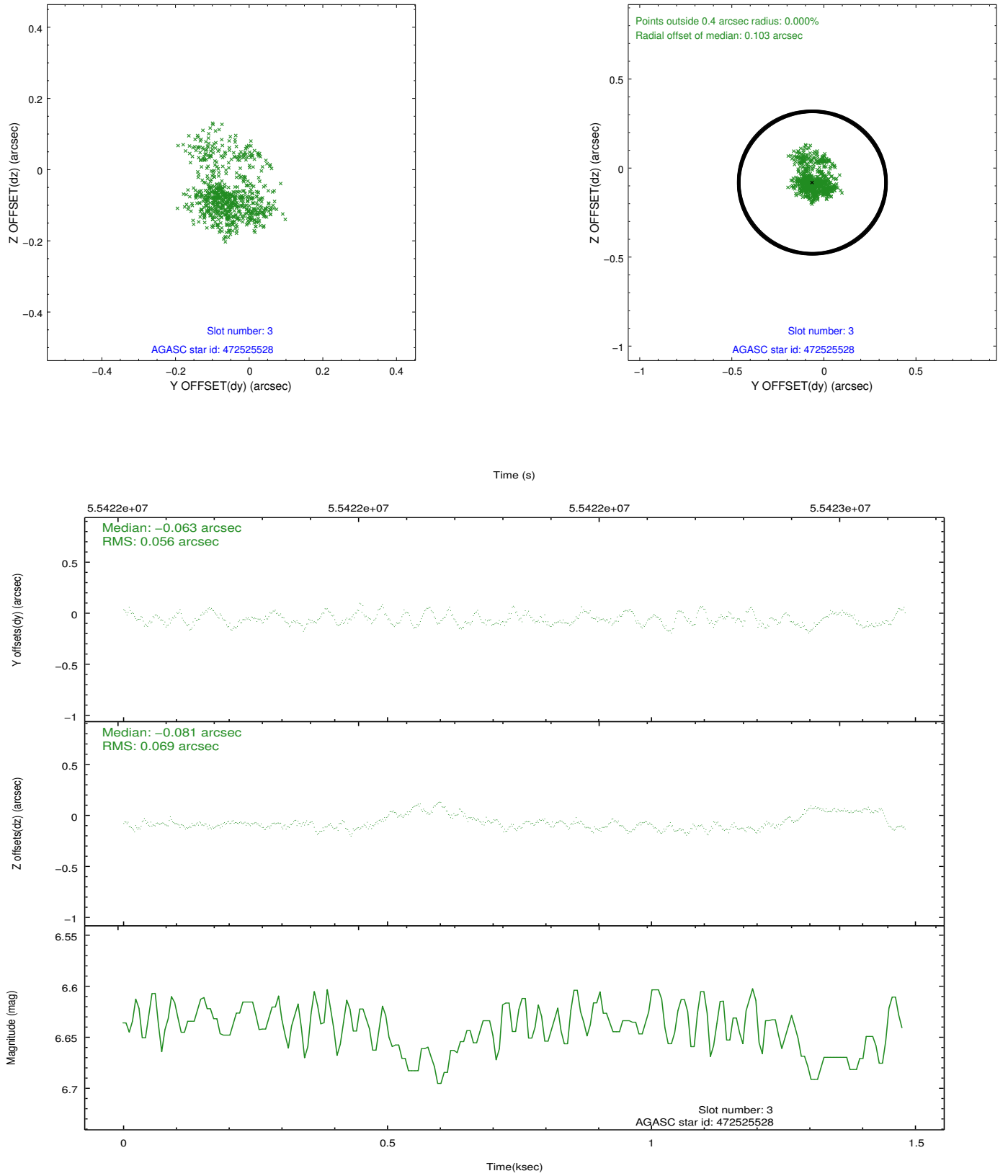
Slot Statistics

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	723	0.055	-0.010	0.007	0.011	0.000000	0.000000	-755.38	-1286.52
1	FID	HRC-I-3	7.05	723	0.055	-0.029	0.007	0.013	0.000000	0.000000	-1185.00	1016.42
2	FID	HRC-I-4	6.99	723	0.004	-0.050	0.006	0.009	0.000000	0.000000	1285.84	1017.25
3	GUIDE	472525528	6.64	723	-0.063	-0.081	0.092	0.160	331.551102	45.248694	2071.15	-5.82
4	GUIDE	472659832	9.46	723	-0.001	0.083	0.094	0.153	332.780399	46.098139	-2256.20	396.19
5	GUIDE	472655152	9.43	723	-0.072	0.043	0.090	0.142	332.504239	45.862991	-1169.81	418.46
6	GUIDE	472524416	9.49	723	0.187	-0.082	0.118	0.196	330.789917	45.626718	2234.87	-2355.25
7	GUIDE	472646552	9.64	722	-0.071	0.021	0.146	0.221	333.120915	45.571877	-1372.72	2274.02

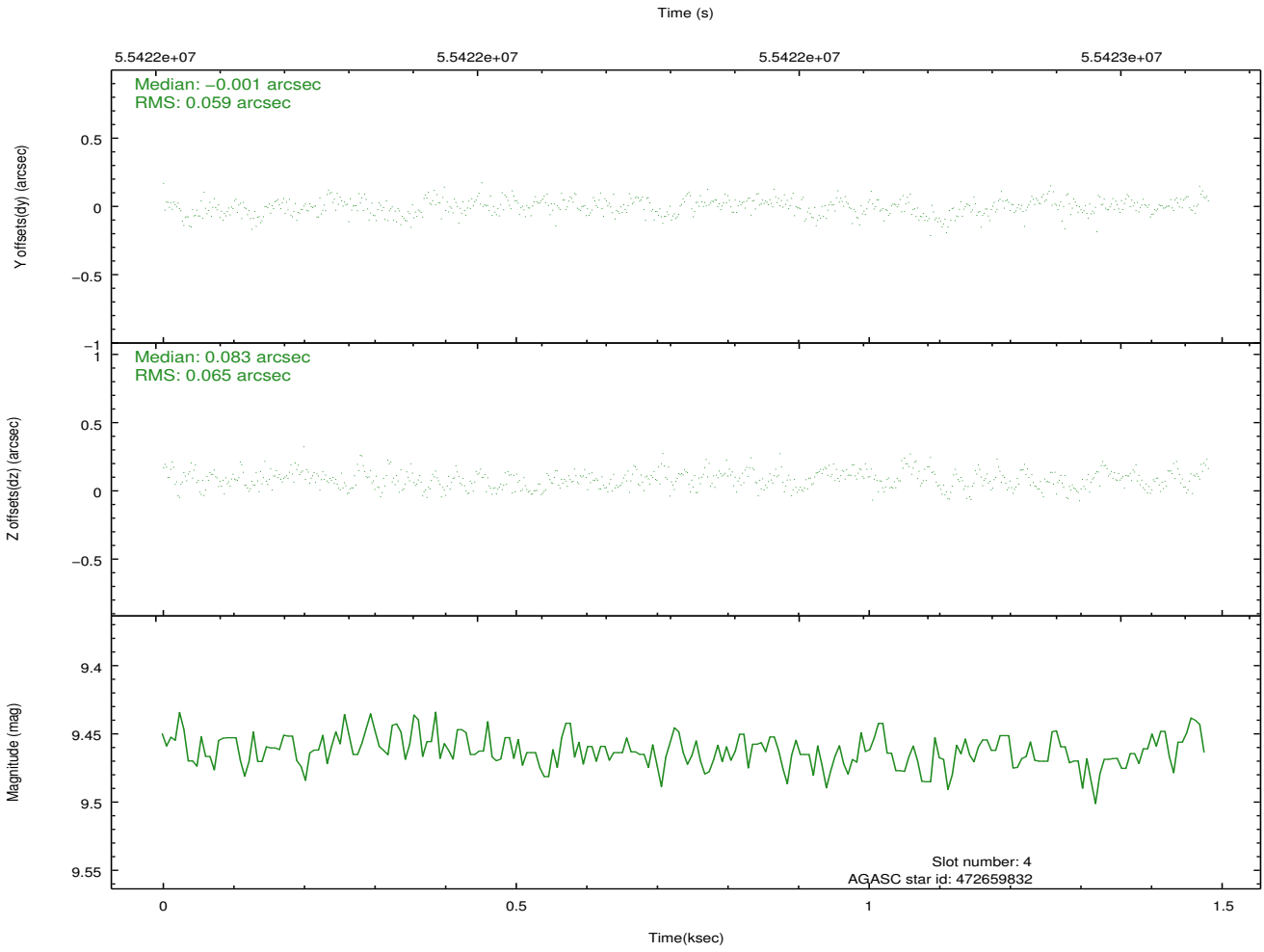
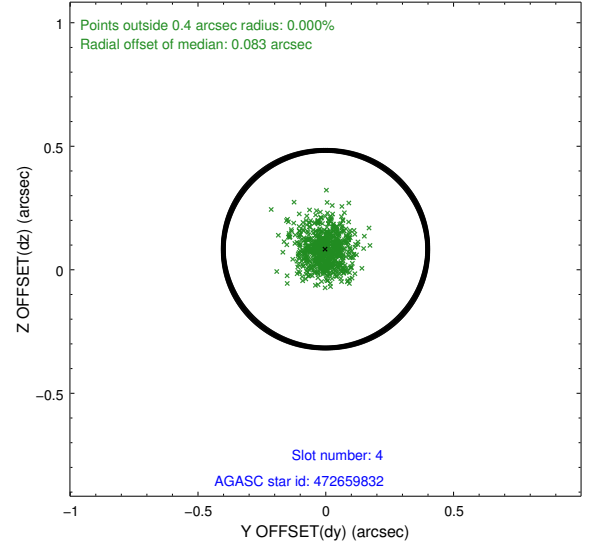
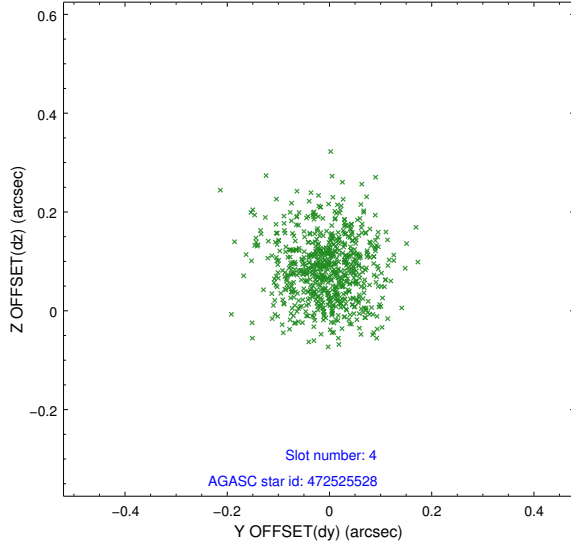


## 2.4 Star Slots

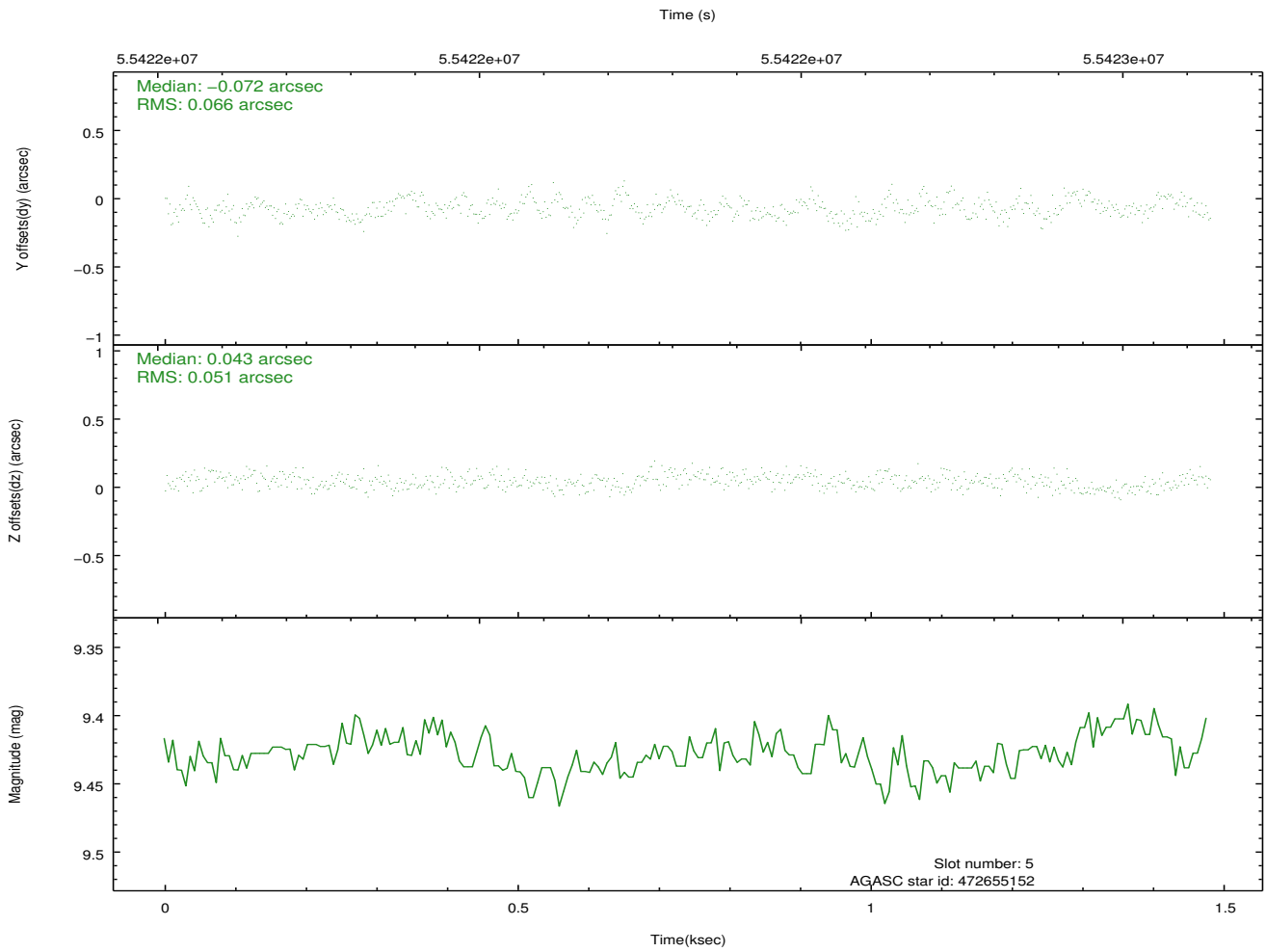
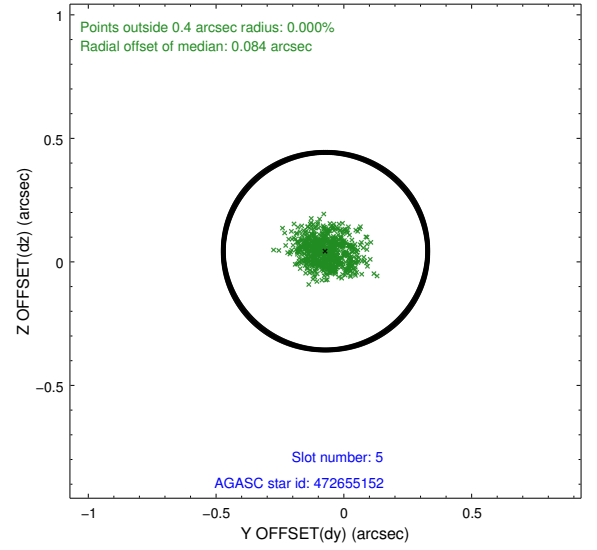
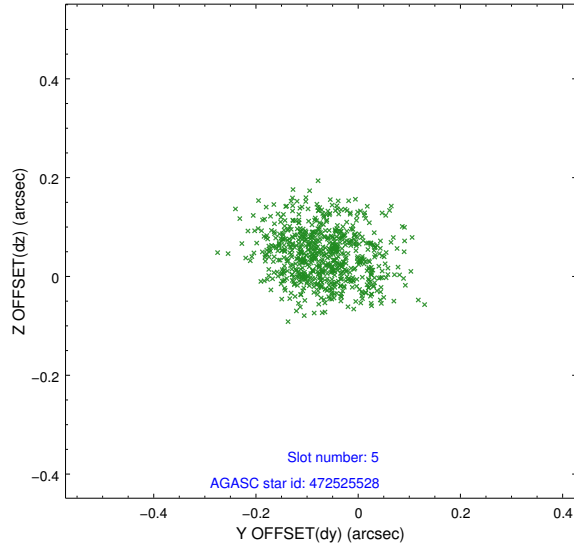
### 2.4.1 Slot 3



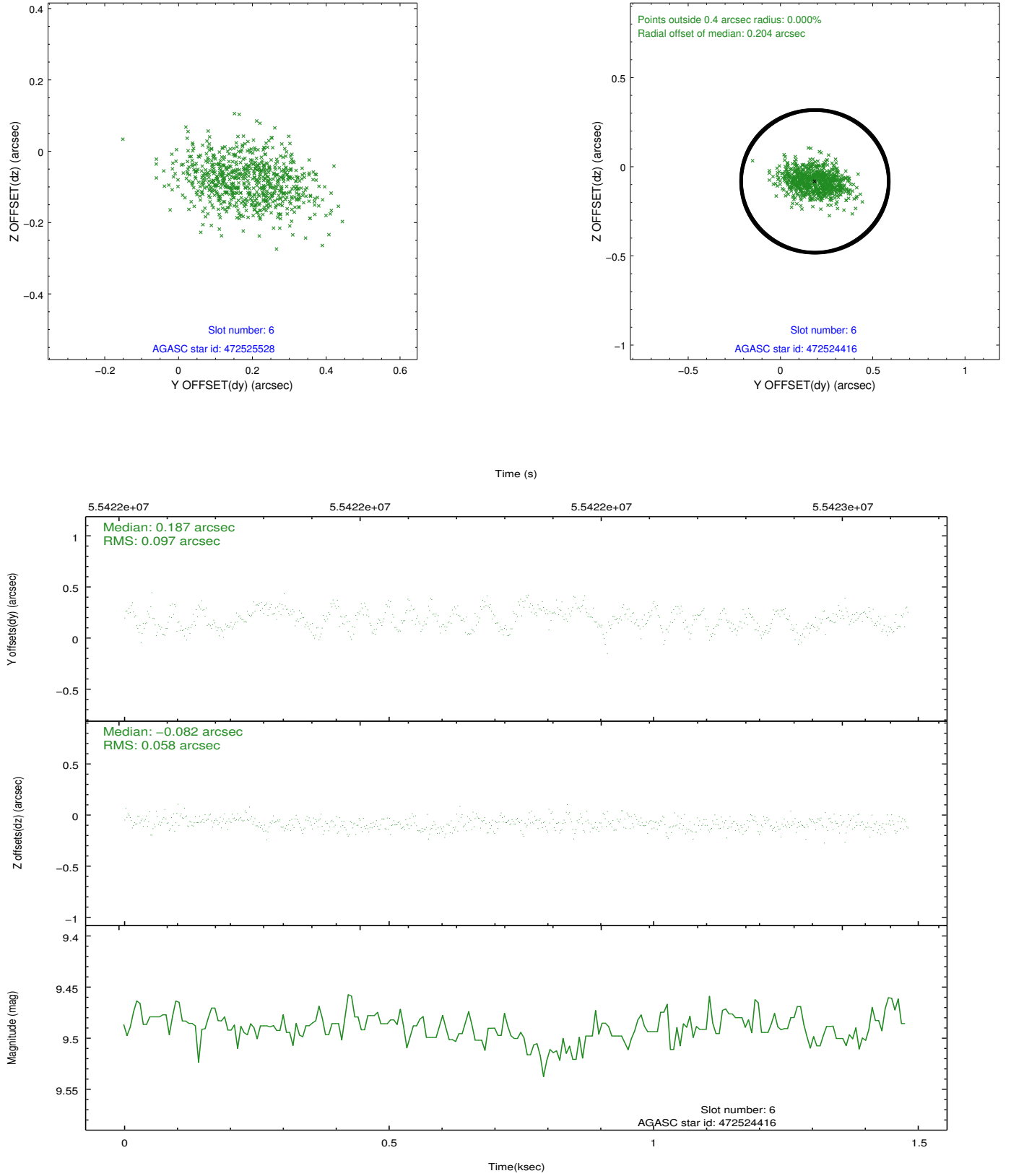
## 2.4.2 Slot 4



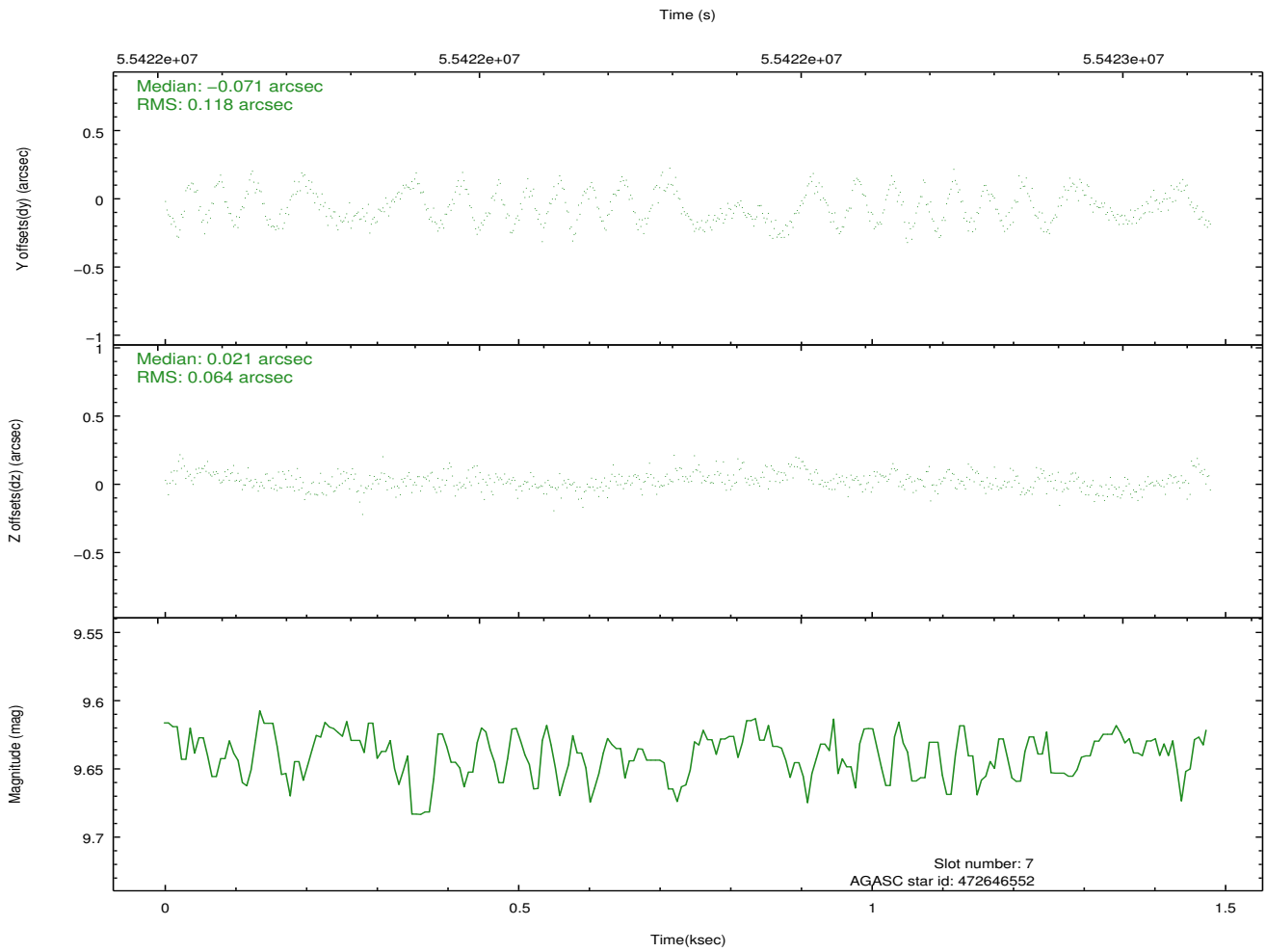
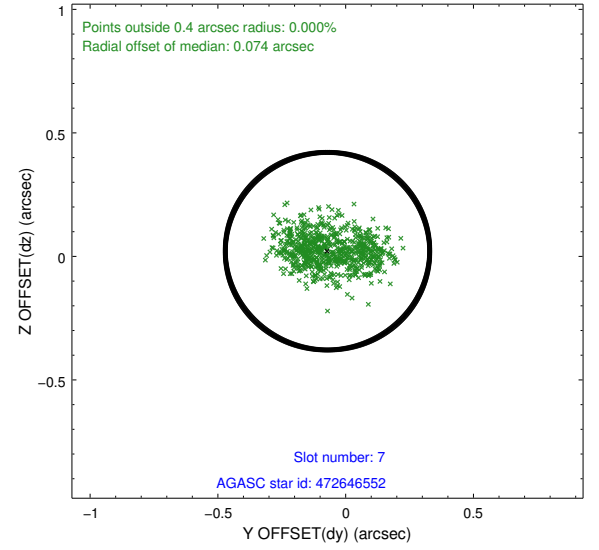
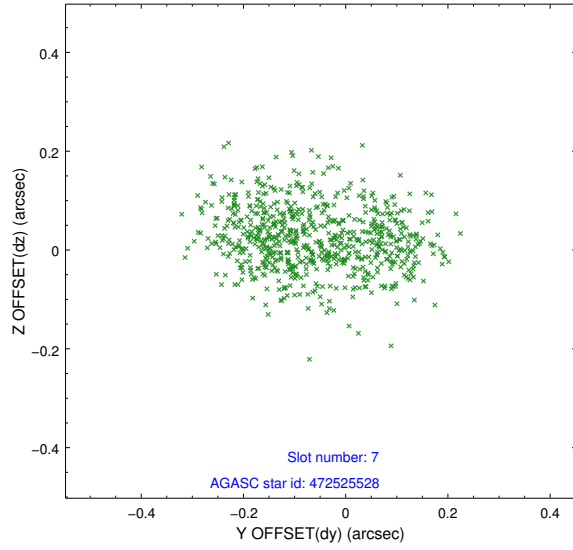
### 2.4.3 Slot 5



## 2.4.4 Slot 6

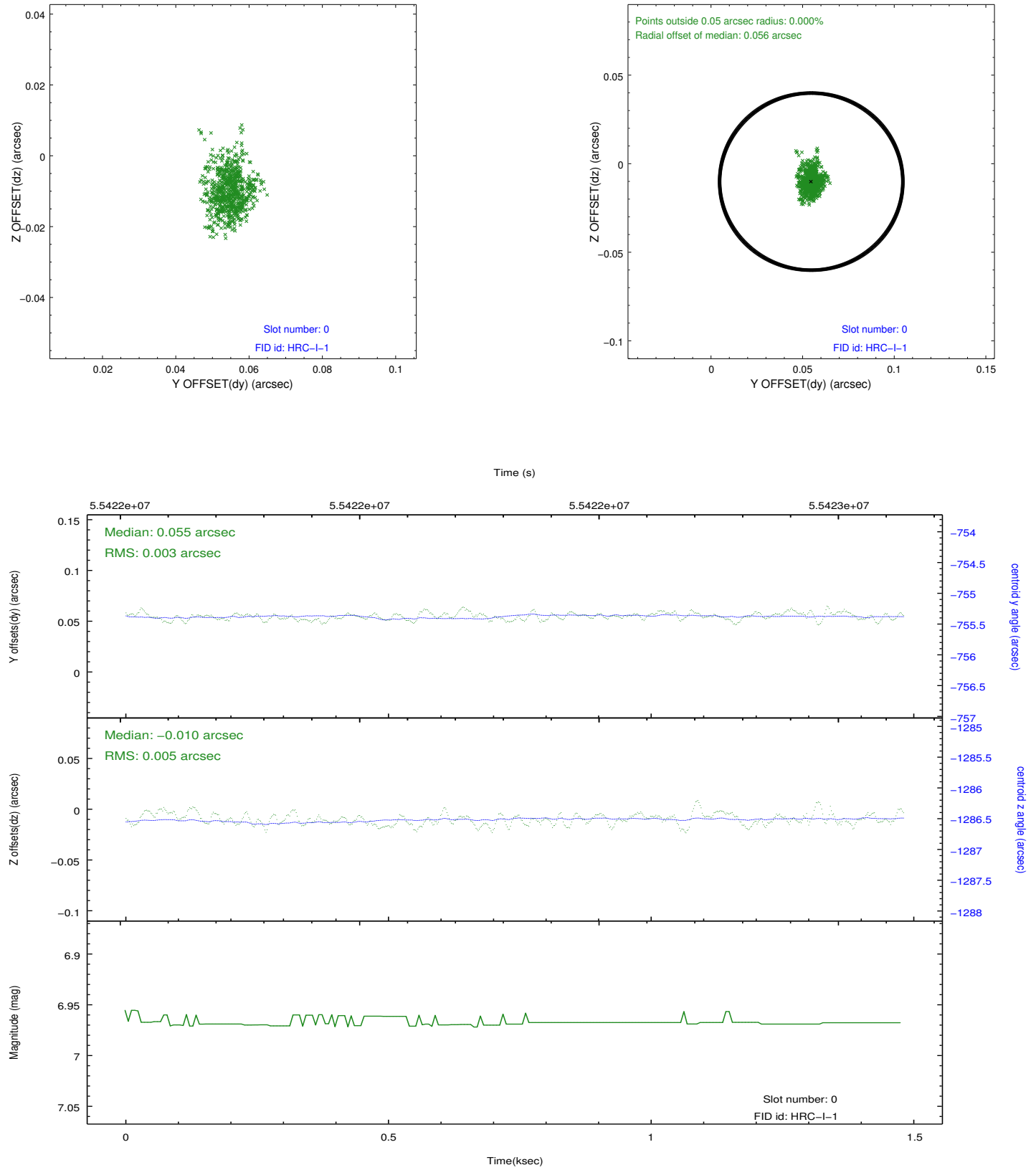


## 2.4.5 Slot 7

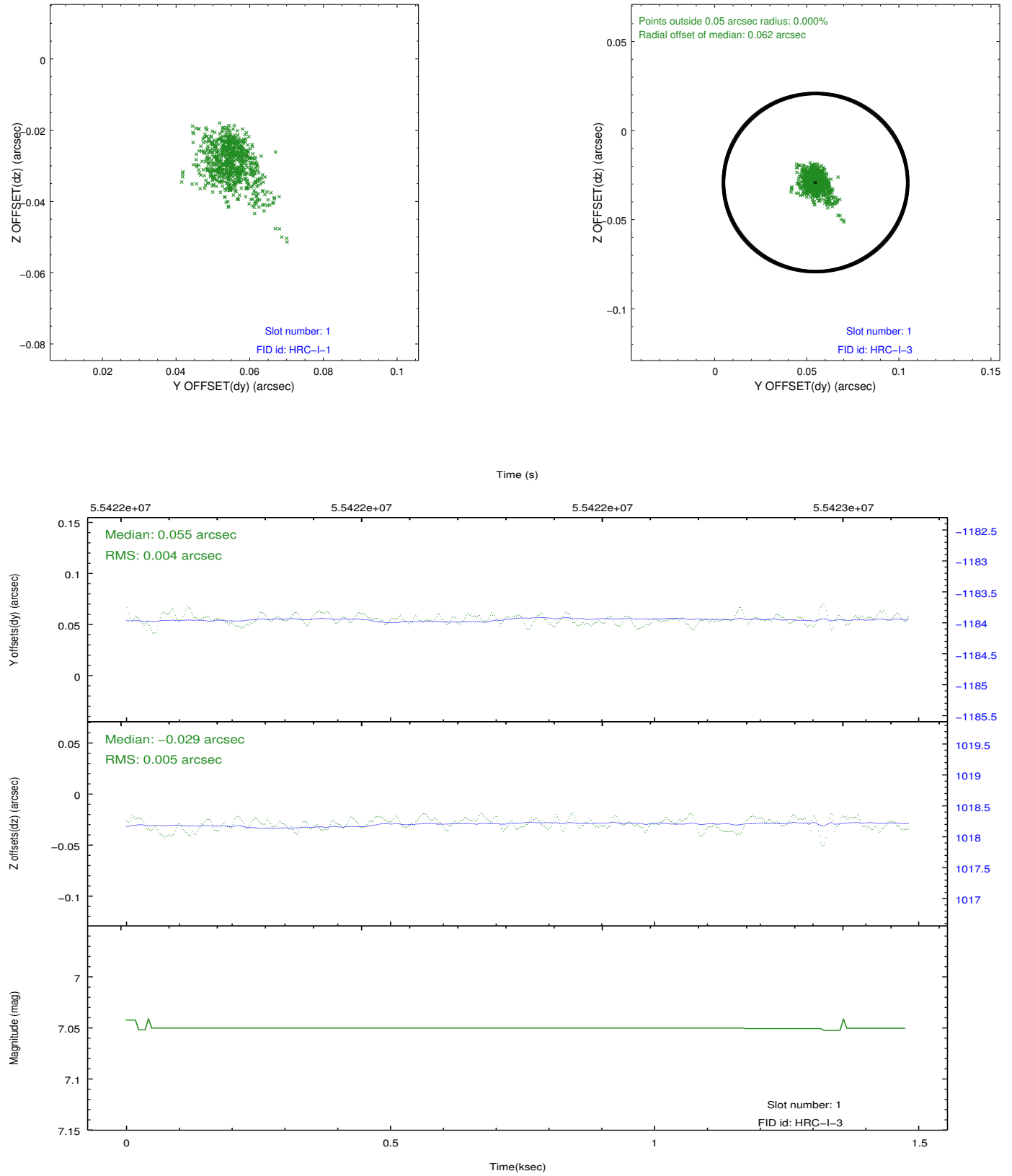


## 2.5 FID Slots

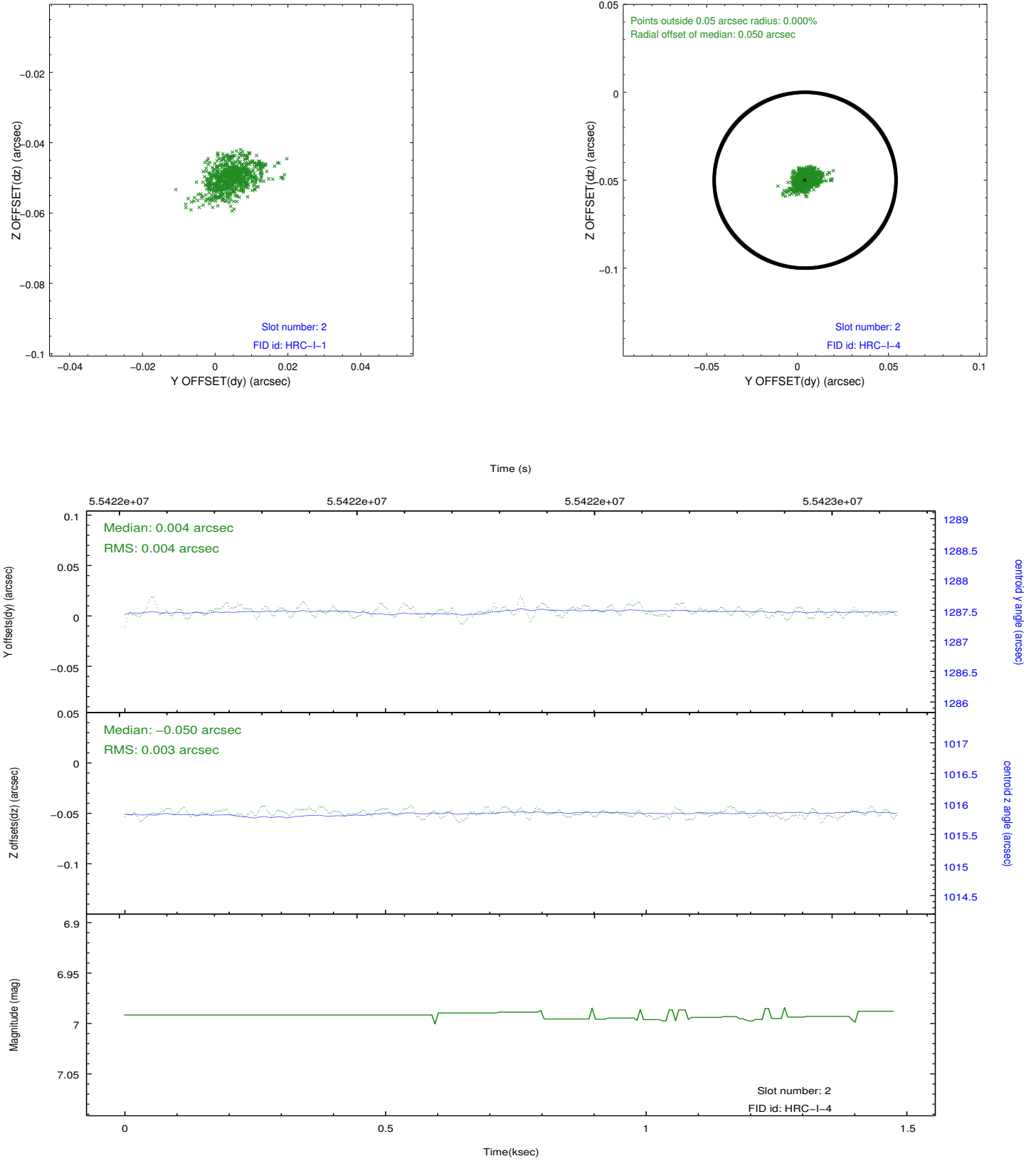
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

10.54 arcmin



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.11.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.275

## A.2 Comments

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).

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Charge time for this ObsId remains at previous value of 1.275 ks, although with the current processing the charge time would have been 1.277 ksec.