

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 5680 - L2 Version 2  
Chandra X-Ray Center

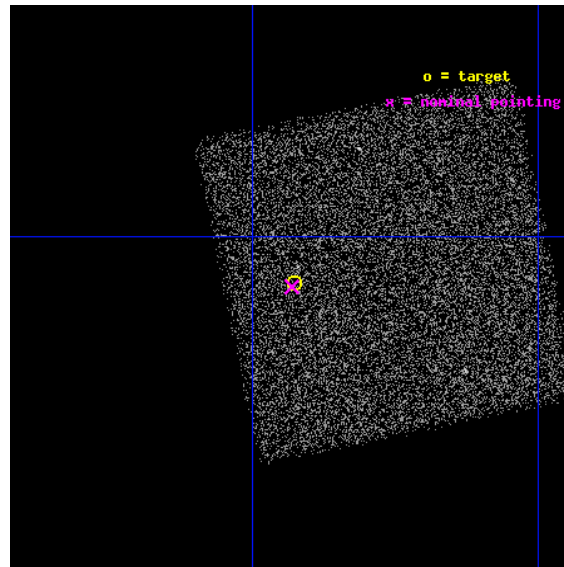
L2 Processing Date : Mar 17 2012

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# 1 Front

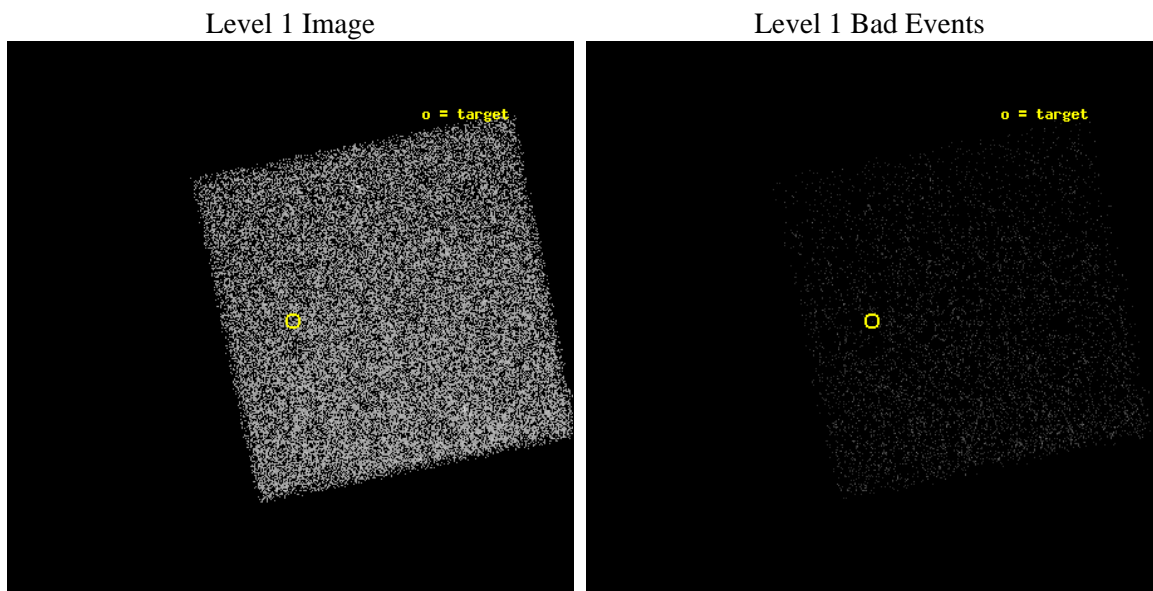
seq_num	701103	Sequence number
obs_id	5680	Observation id
title	Bringing in the Last SHEEP	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0401.4+0038	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	60.356667	Observer's specified target RA [deg]
dec_targ	0.646944	Observer's specified target Dec [deg]
ra_nom	60.357602111773	Nominal RA [deg]
dec_nom	0.64508339956135	Nominal Dec [deg]
roll_nom	348.3664554467	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5139.199980855	Sum of GTIs [s]
livetime	5074.1243362427	Livetime [s]
ontime7	5139.199980855	Sum of GTIs [s]
l2events	22326	Number of level 2 events



## 2 OBI

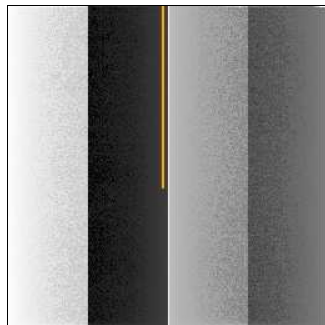
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5139.199980855	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime7	5139.199980855	Sum of GTIs [s]
date	2012-03-17T16:01:29	Date and time of file creation	l1events	67177	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	67177
rejected events	44268
rejected %	65%

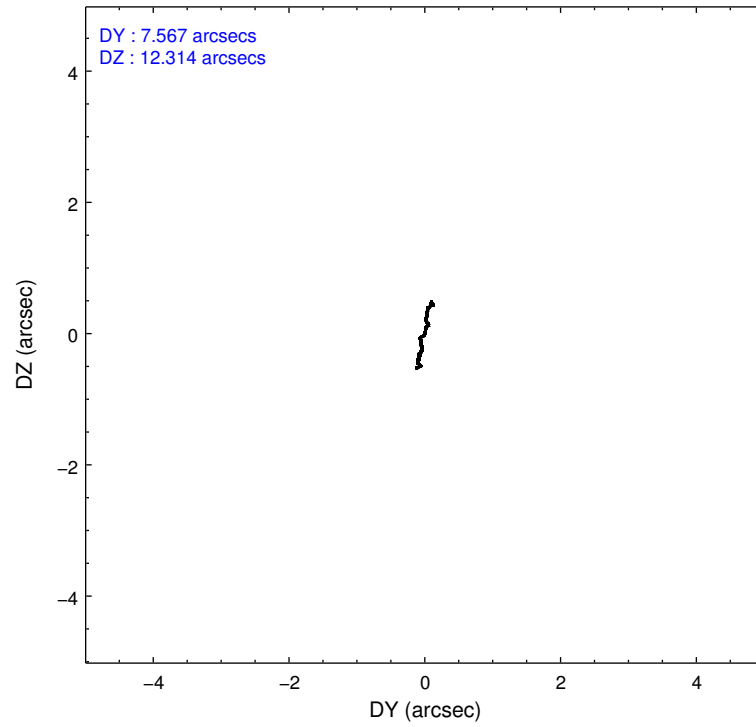
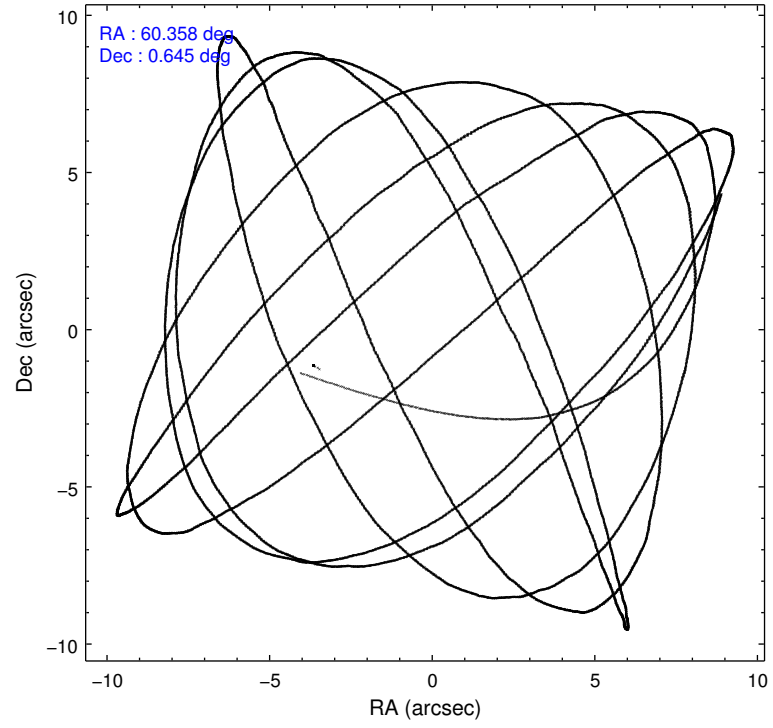
	<b>ccd 7</b>
grade 0 events	2453
	3%
grade 1 events	75
	0%
grade 2 events	5522
	8%
grade 3 events	2491
	3%
grade 4 events	2503
	3%
grade 5 events	6308
	9%
grade 6 events	15176
	22%
grade 7 events	32649
	48%

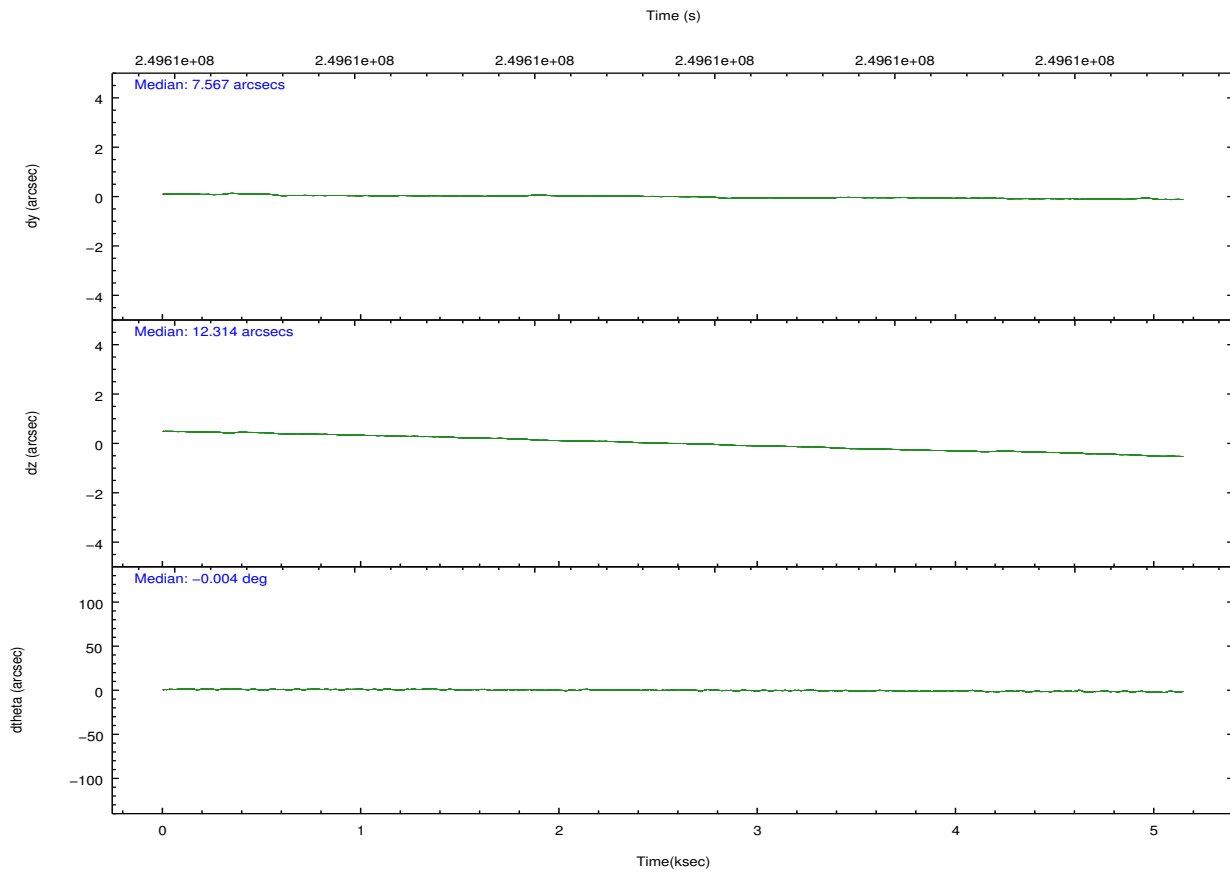
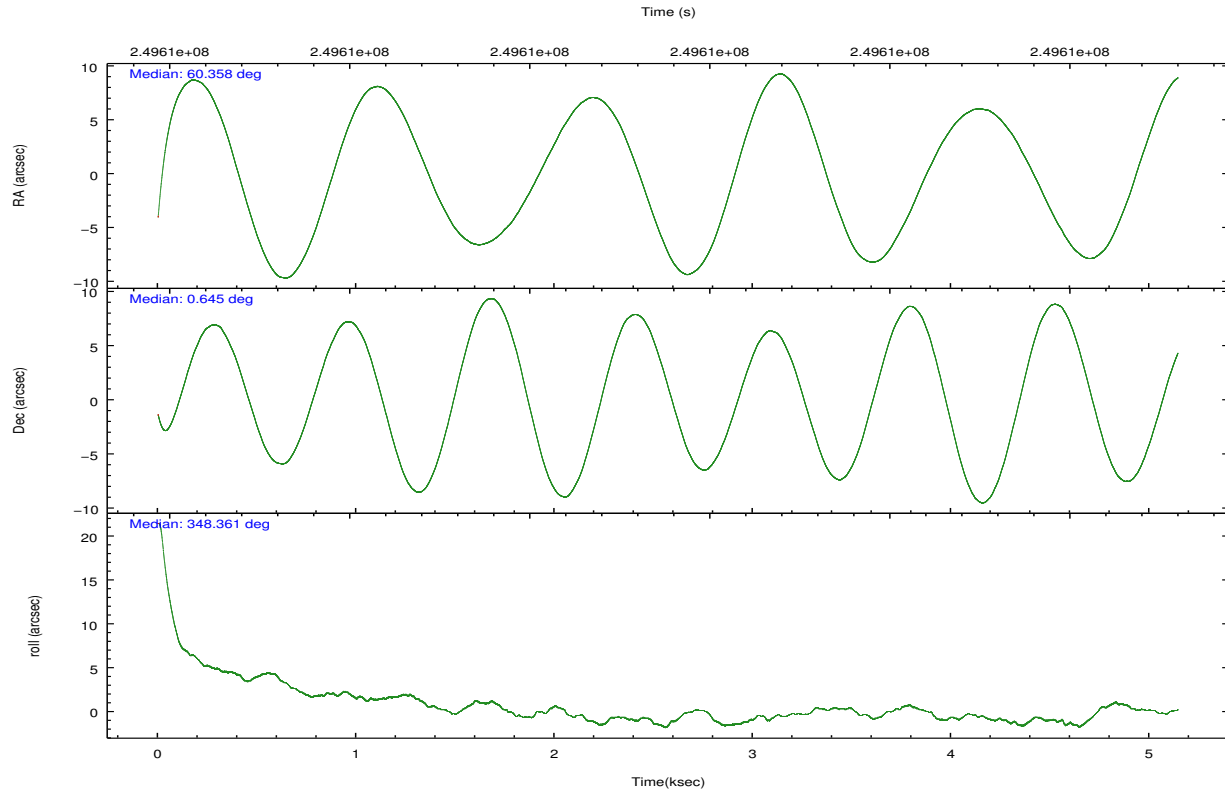


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	60.331821	60.35760211177315	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.636122	0.6450833995613522	Alternating exposures requested	N	N
[deg] Pointing Roll	348.210078	348.3664554466977	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	249608340.184000	249607011.50891			
Observation start date	2005-11-28T23:37:56	2005-11-28T23:16:51			
[s] Observation end time (MET)	249613340.184000	249614538.59676			
Observation end date	2005-11-29T01:01:16	2005-11-29T01:22:18			
Read mode	TIMED	TIMED			

## 2.3 Aspect



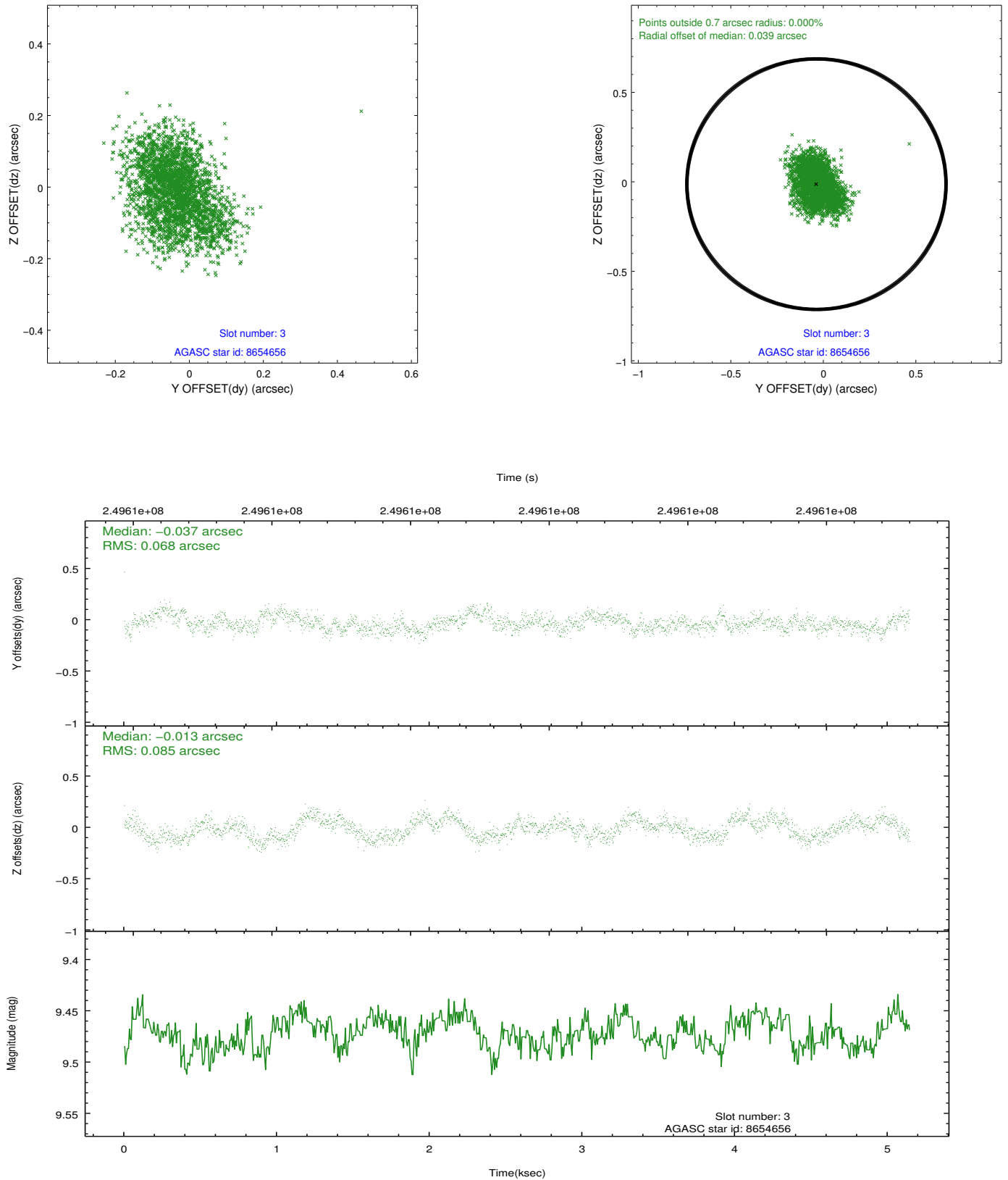


### Slot Statistics

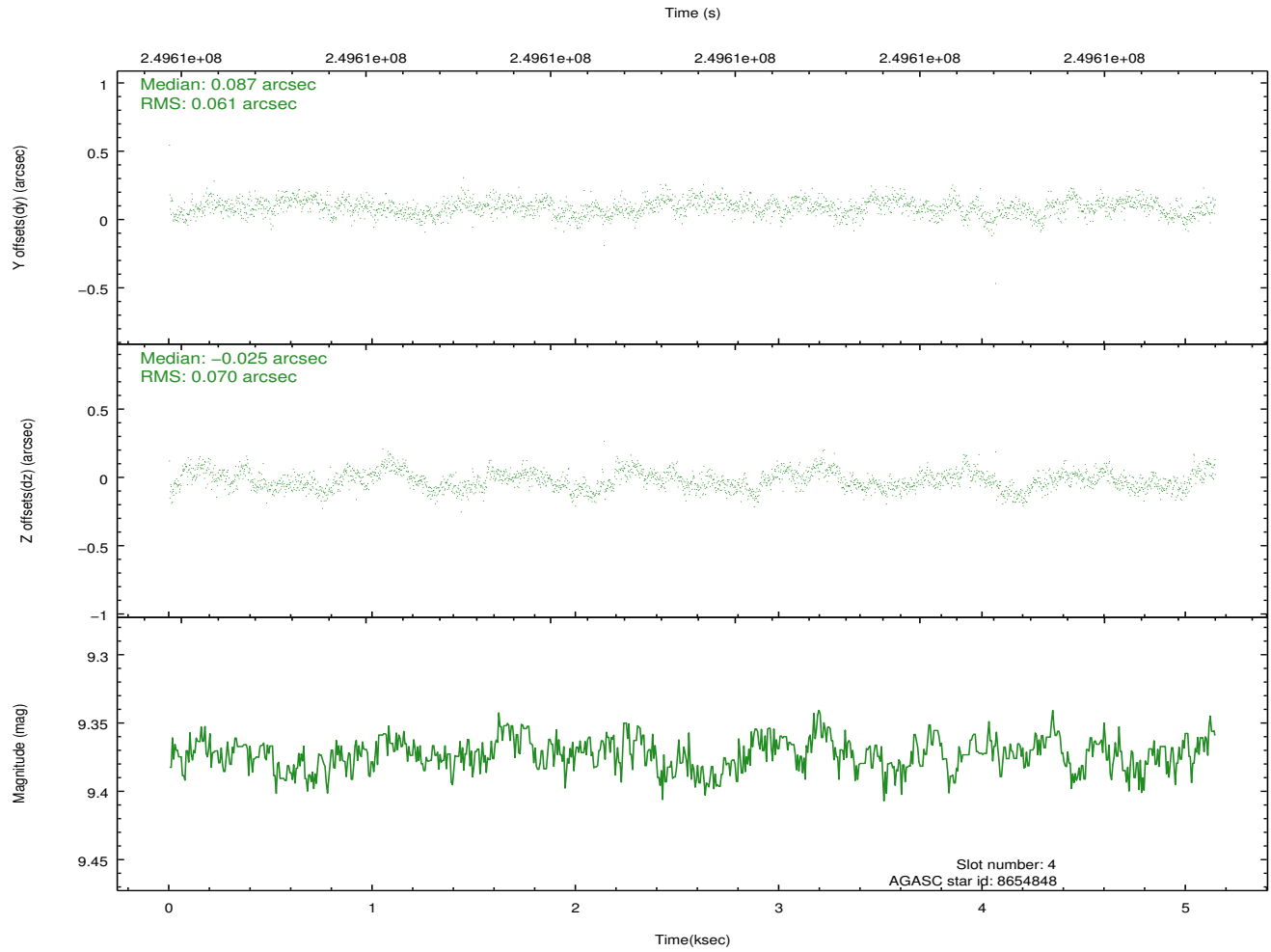
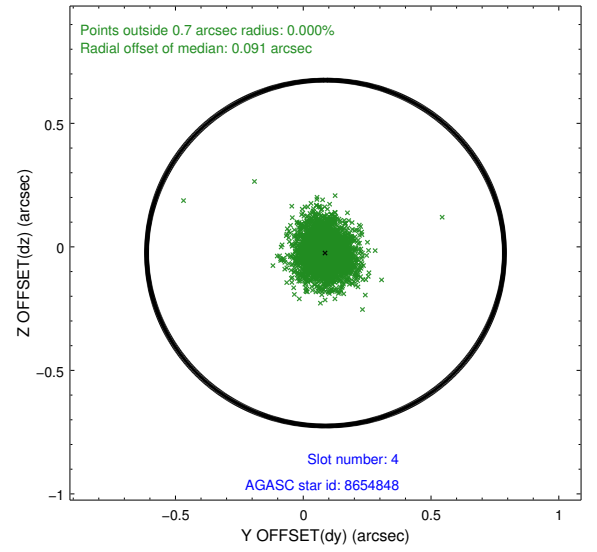
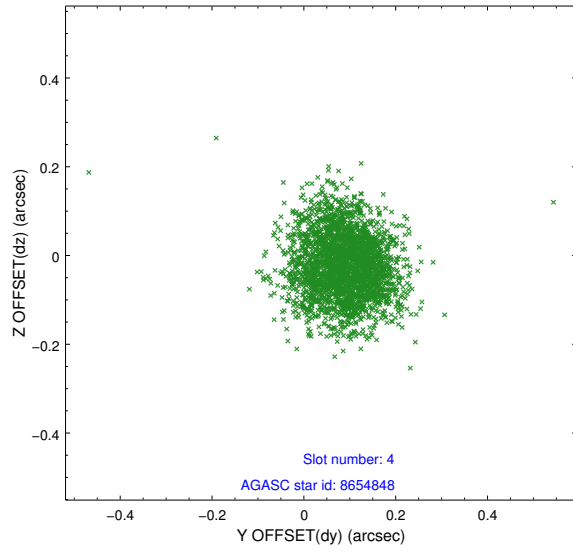
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1255	-0.017	-0.040	0.011	0.017	0.000000	0.000000	-760.34	-1733.61
1	FID	ACIS-S-4	7.20	1254	0.090	0.018	0.006	0.012	0.000000	0.000000	2152.51	173.71
2	FID	ACIS-S-5	7.23	1255	-0.105	0.031	0.011	0.018	0.000000	0.000000	-1811.75	168.74
3	GUIDE	8654656	9.47	2509	-0.037	-0.013	0.118	0.183	59.897796	1.127420	-1890.57	1412.35
4	GUIDE	8654848	9.37	2510	0.087	-0.025	0.097	0.157	59.806200	0.958082	-2089.39	748.77
5	GUIDE	9574320	8.57	2510	-0.005	0.068	0.065	0.106	60.554993	0.080695	1194.93	-1792.30
6	GUIDE	619319440	8.96	2509	0.024	-0.011	0.080	0.134	60.745170	-0.063271	1972.41	-2160.87
7	GUIDE	9574928	9.36	2505	-0.071	-0.011	0.104	0.174	60.580390	0.067478	1295.72	-1821.42

## 2.4 Star Slots

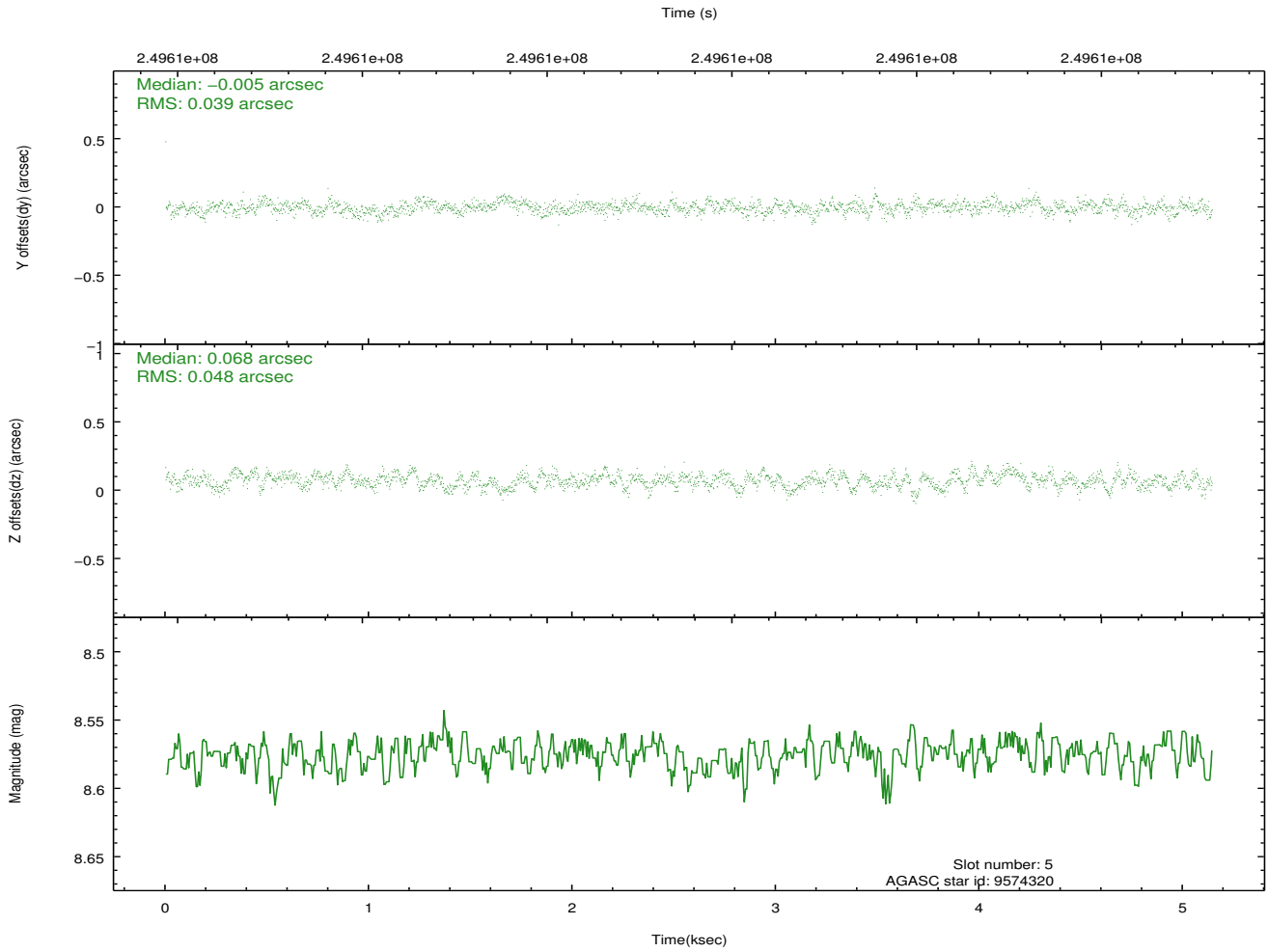
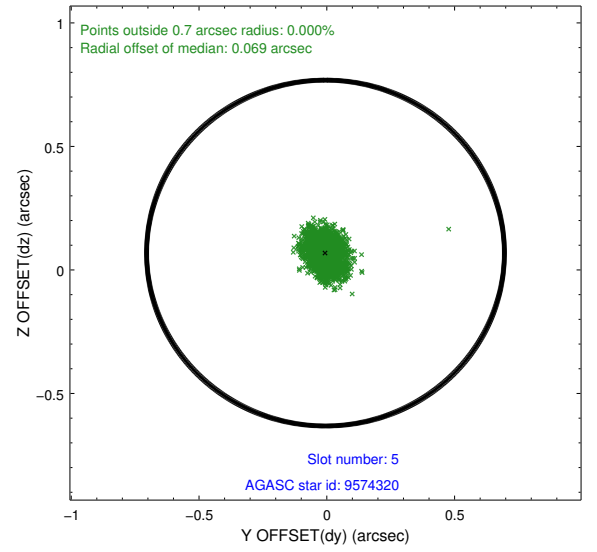
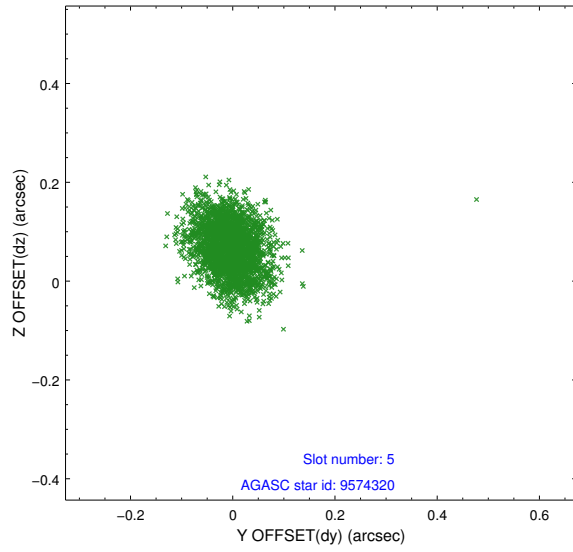
### 2.4.1 Slot 3



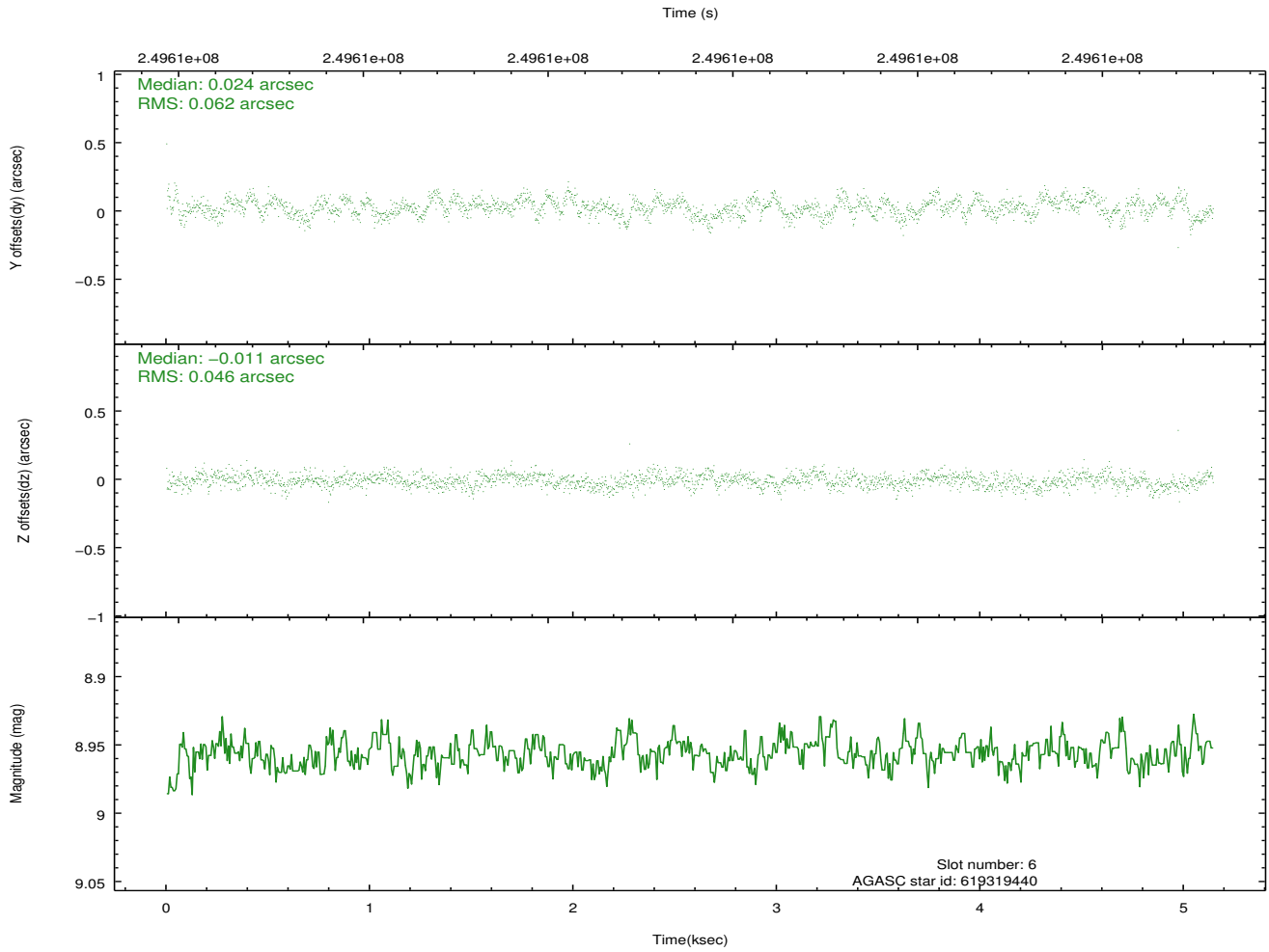
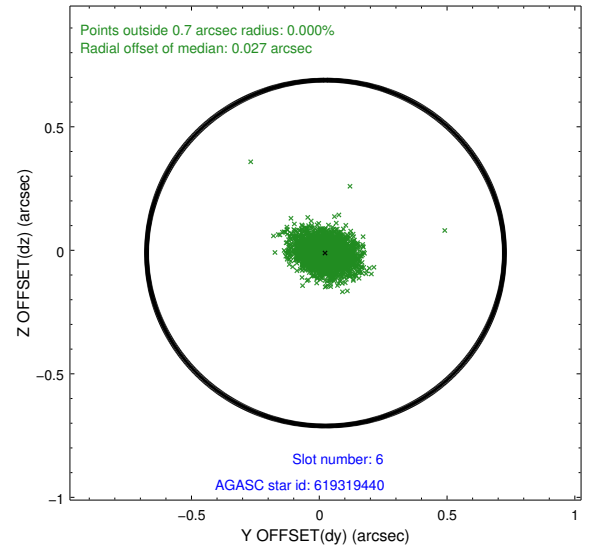
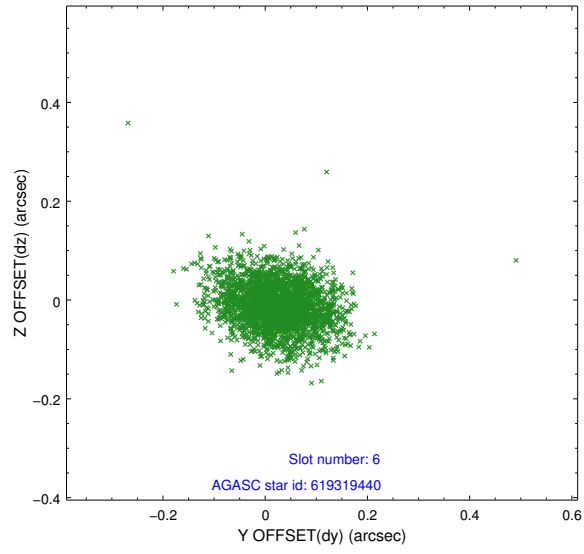
## 2.4.2 Slot 4



### 2.4.3 Slot 5

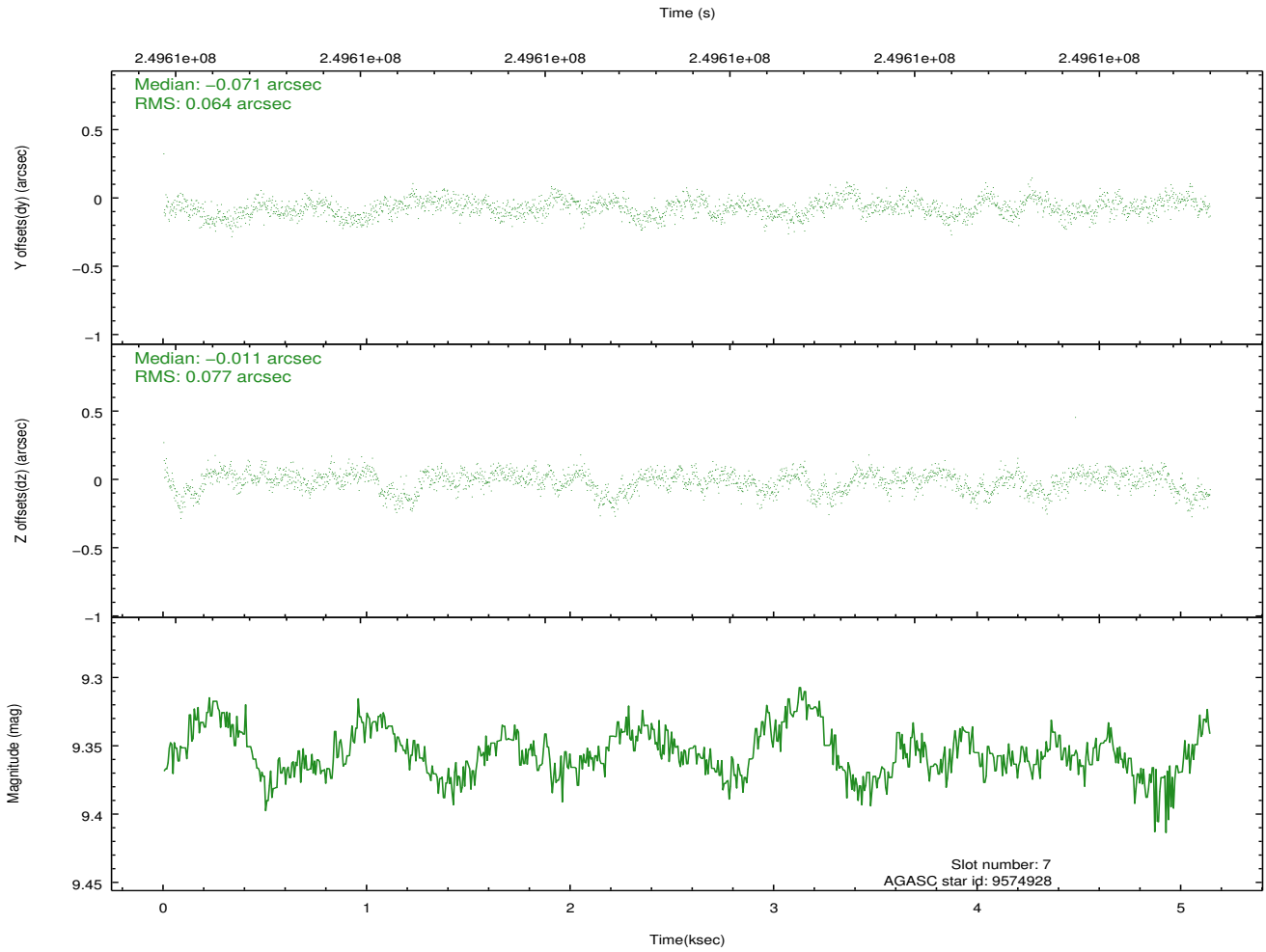
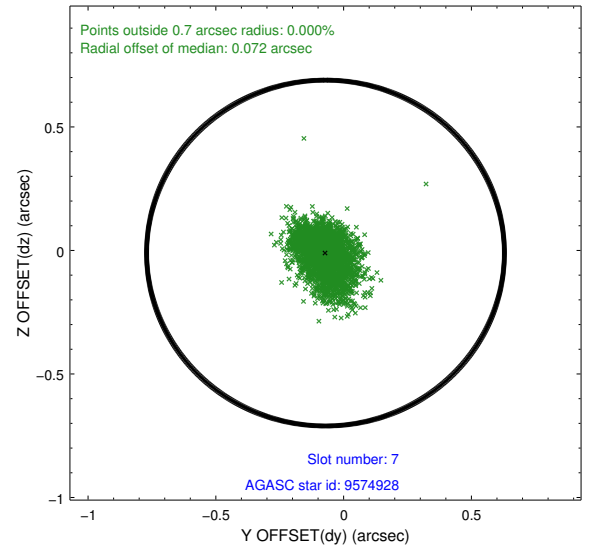
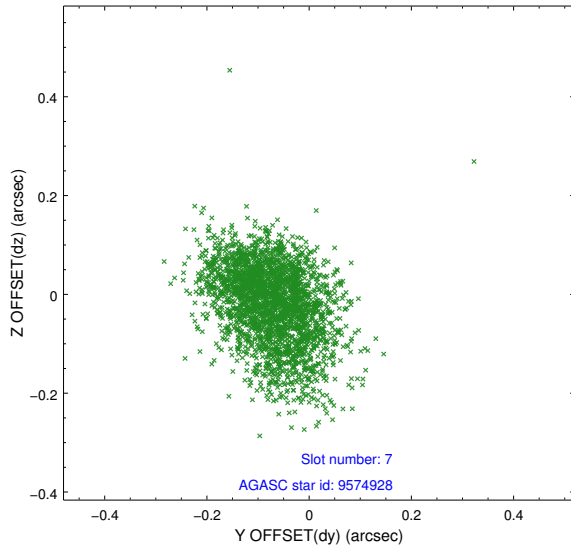


## 2.4.4 Slot 6



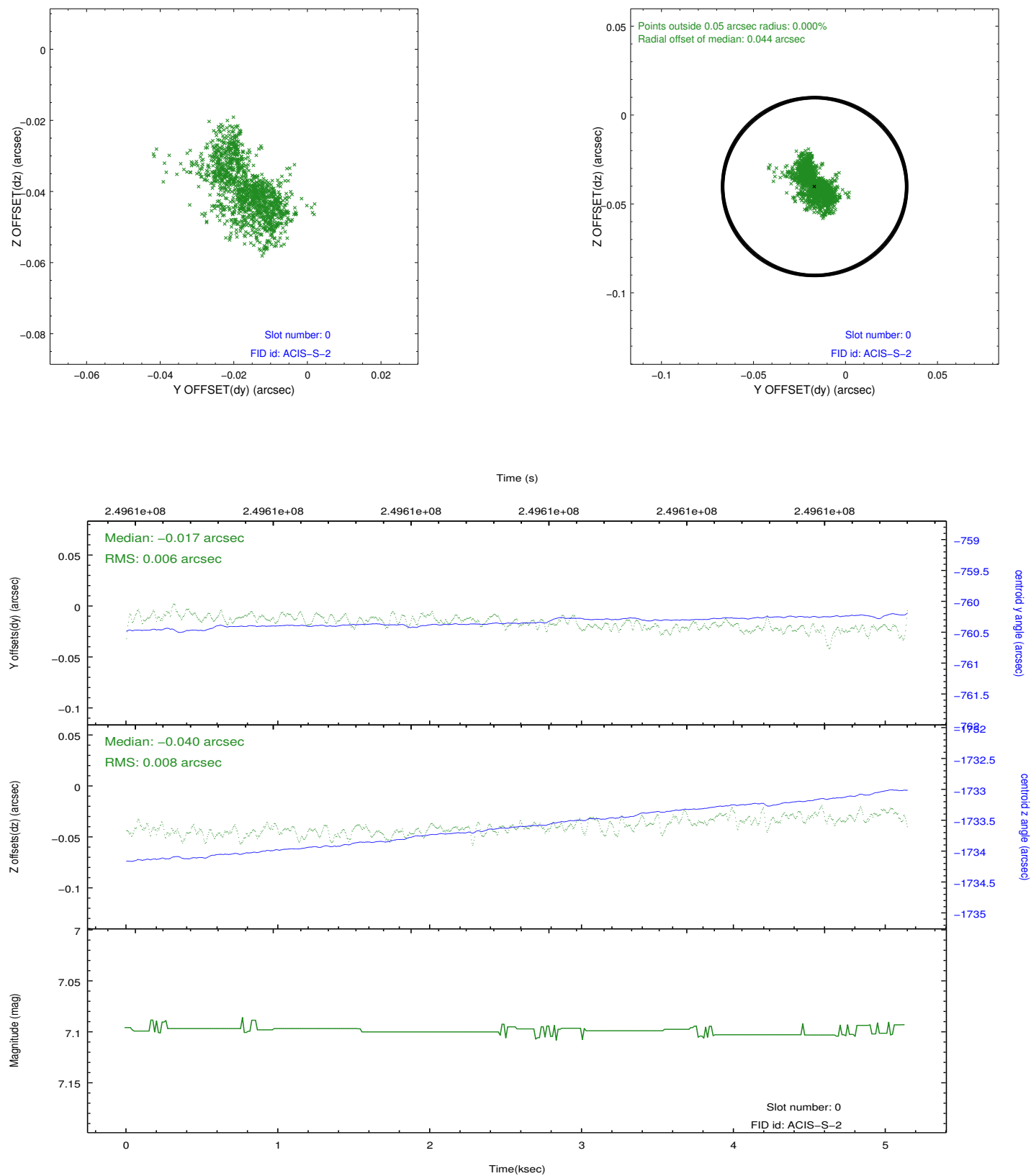


## 2.4.5 Slot 7

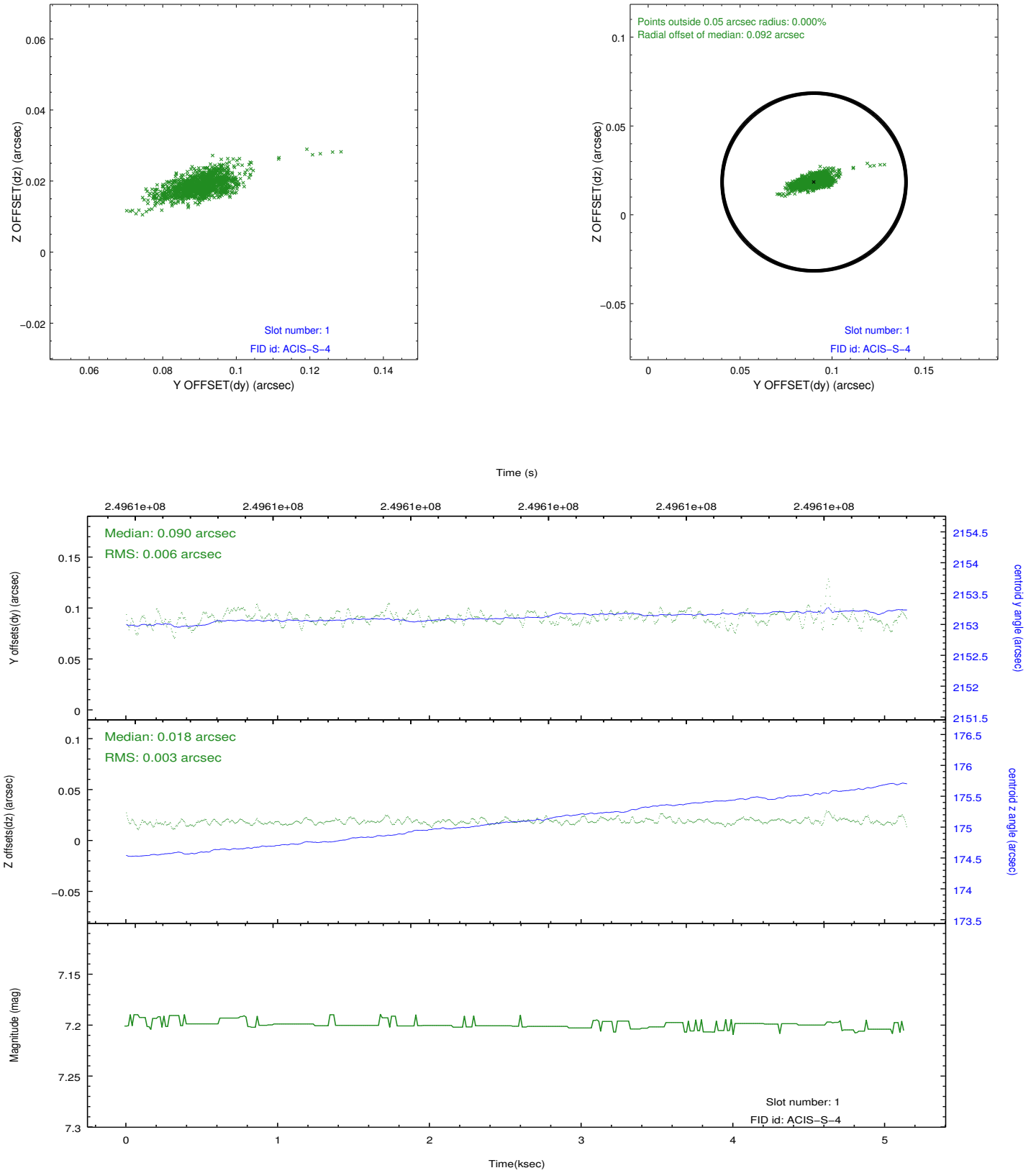


## 2.5 FID Slots

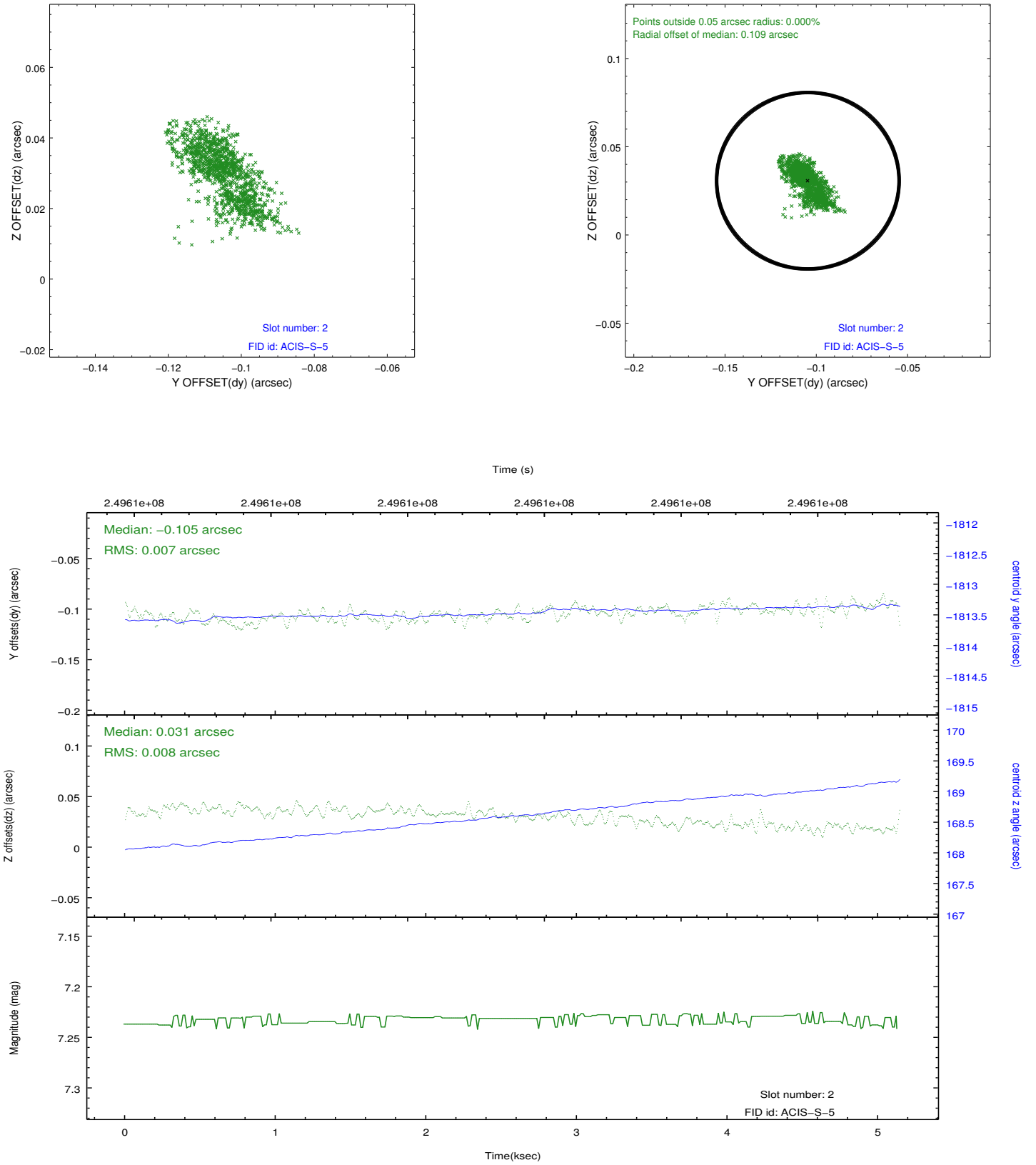
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.139199

## A.2 Comments

Joint Proposal: NOAO