

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5677 - L2 Version 4  
Chandra X-Ray Center

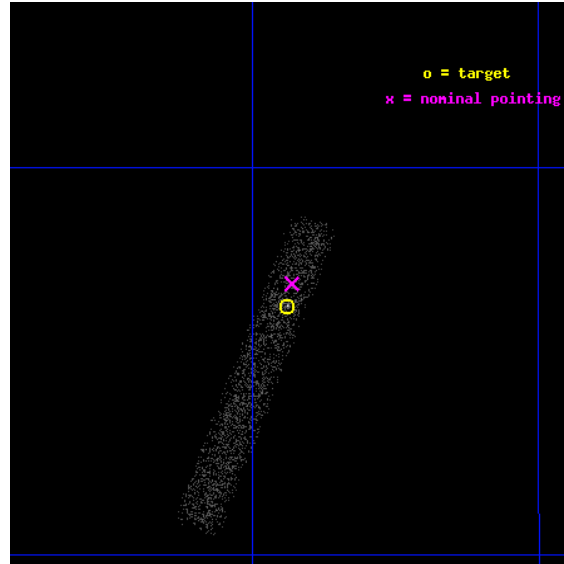
L2 Processing Date : Dec 24 2012

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# 1 Front

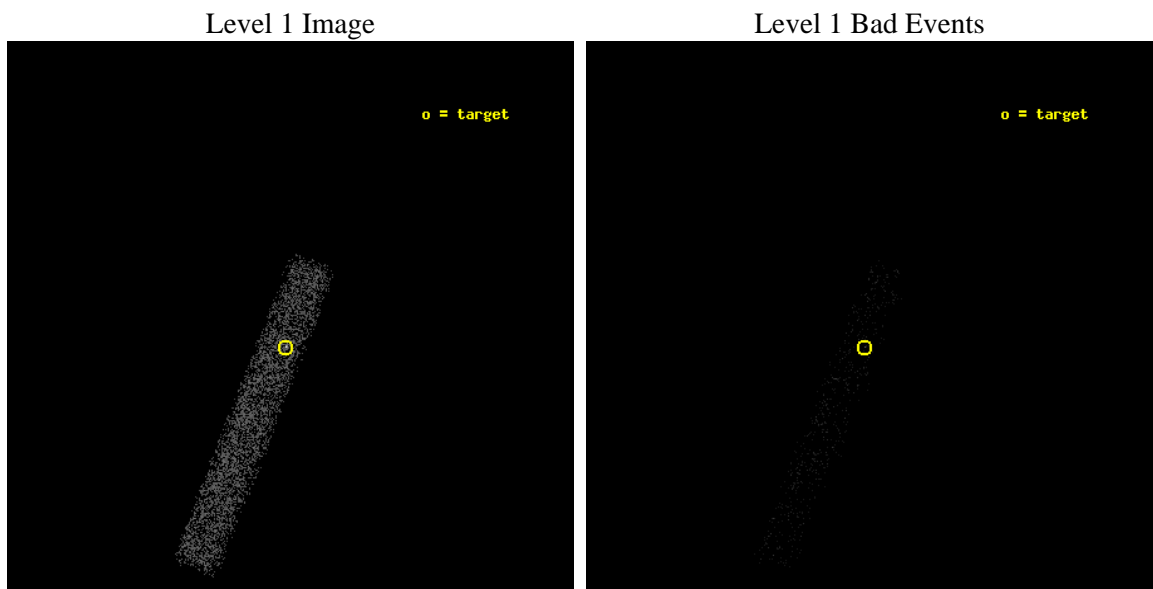
seq_num	701100	Sequence number
obs_id	5677	Observation id
title	Gems in the Chandra Deep Fields: The Nature of Optically Passive X-ray Galaxies (aka XBONGs)	Proposal title
observer	Dr. Sally Laurent-Muehleisen	Principal investigator
object	RGB2307+041	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	346.86	Observer's specified target RA [deg]
dec_targ	4.107139	Observer's specified target Dec [deg]
ra_nom	346.85803262225	Nominal RA [deg]
dec_nom	4.116643162576	Nominal Dec [deg]
roll_nom	111.51330452836	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4853.6000722945	Sum of GTIs [s]
livetime	4401.9590715531	Livetime [s]
ontime7	4853.6000722945	Sum of GTIs [s]
l2events	3365	Number of level 2 events



## 2 OBI

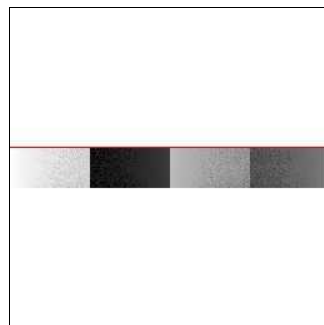
### 2.1 OBI

#### 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	8.5.1.1	Processing system revision	ontime	4853.6000722945	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime7	4853.6000722945	Sum of GTIs [s]
date	2012-12-23T18:14:02	Date and time of file creation	l1events	6920	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	6920
rejected events	3437
rejected %	49%

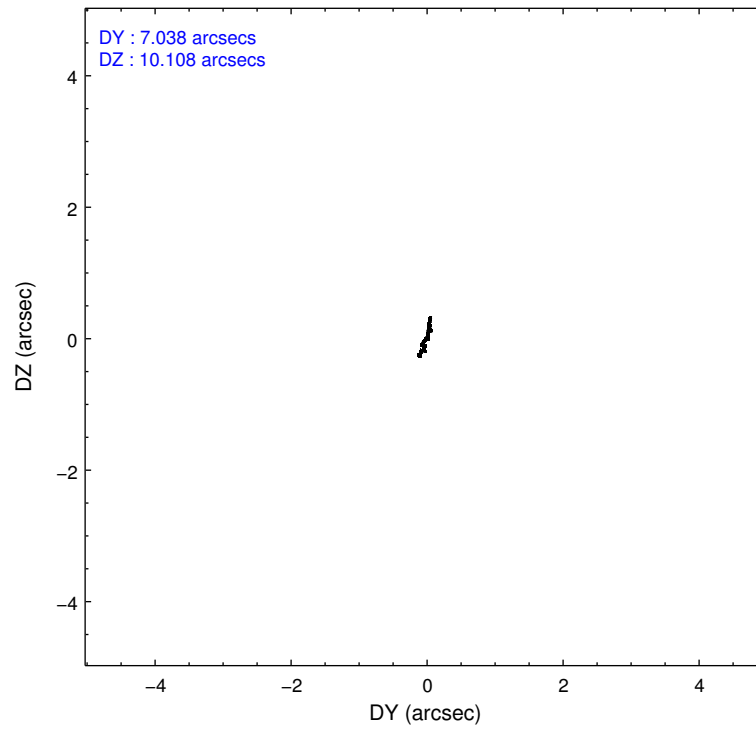
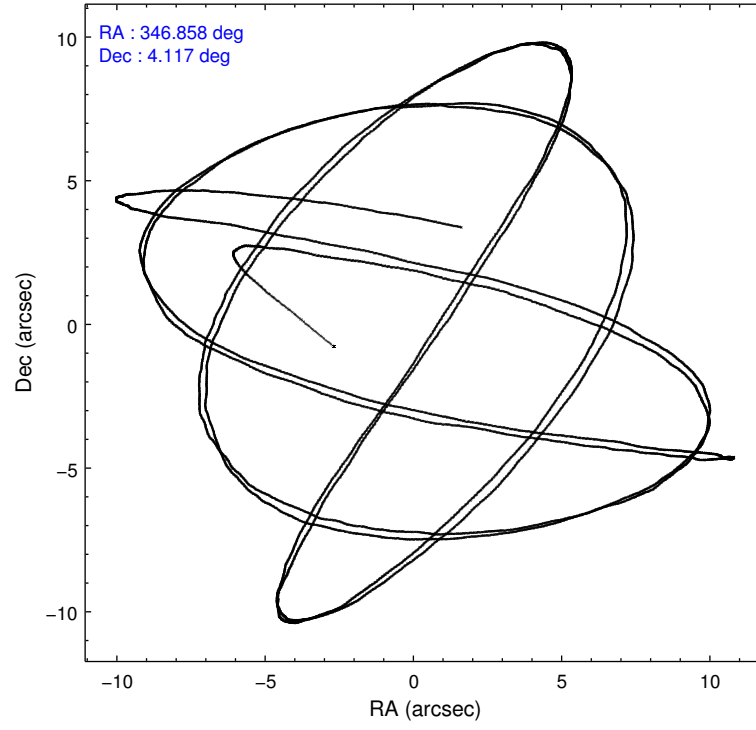
	<b>ccd 7</b>
grade 0 events	463
	6%
grade 1 events	7
	0%
grade 2 events	745
	10%
grade 3 events	428
	6%
grade 4 events	455
	6%
grade 5 events	623
	9%
grade 6 events	1392
	20%
grade 7 events	2807
	40%

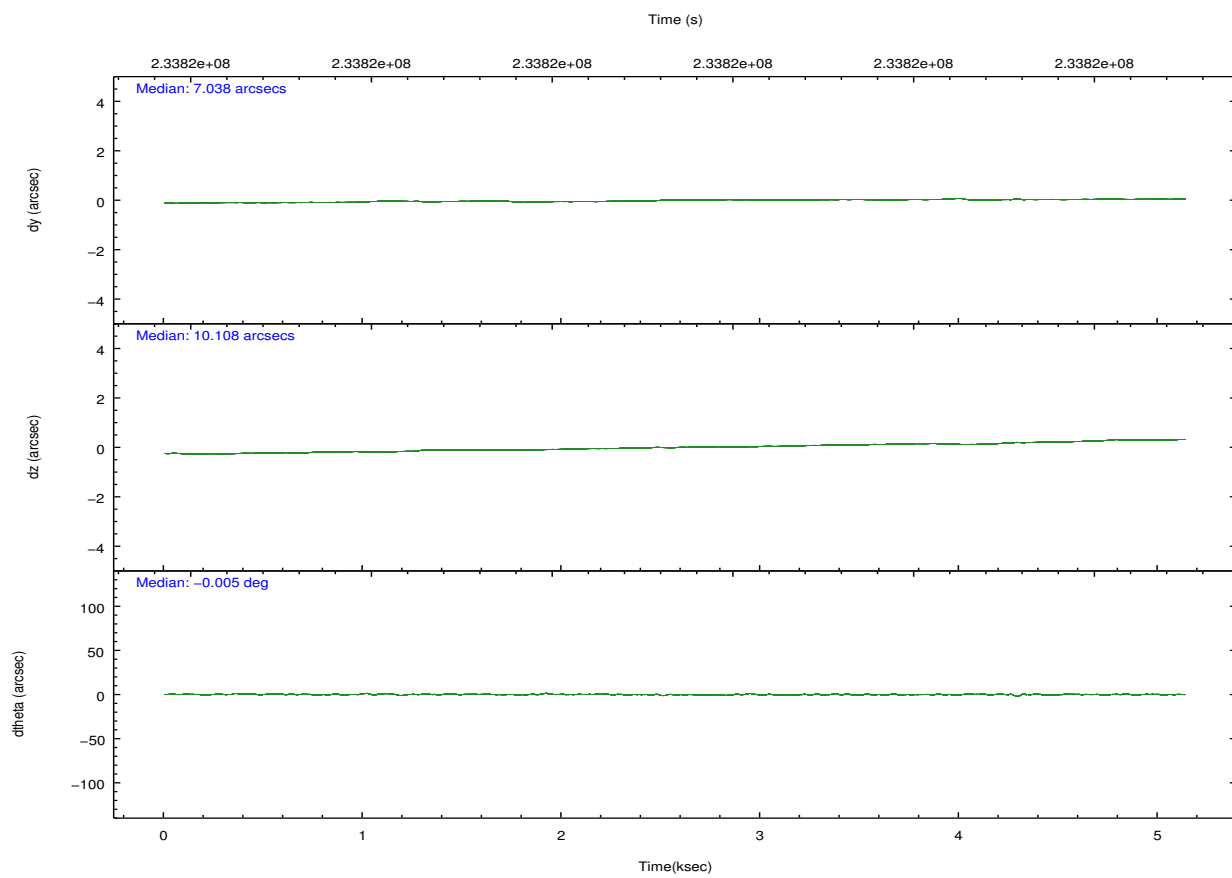
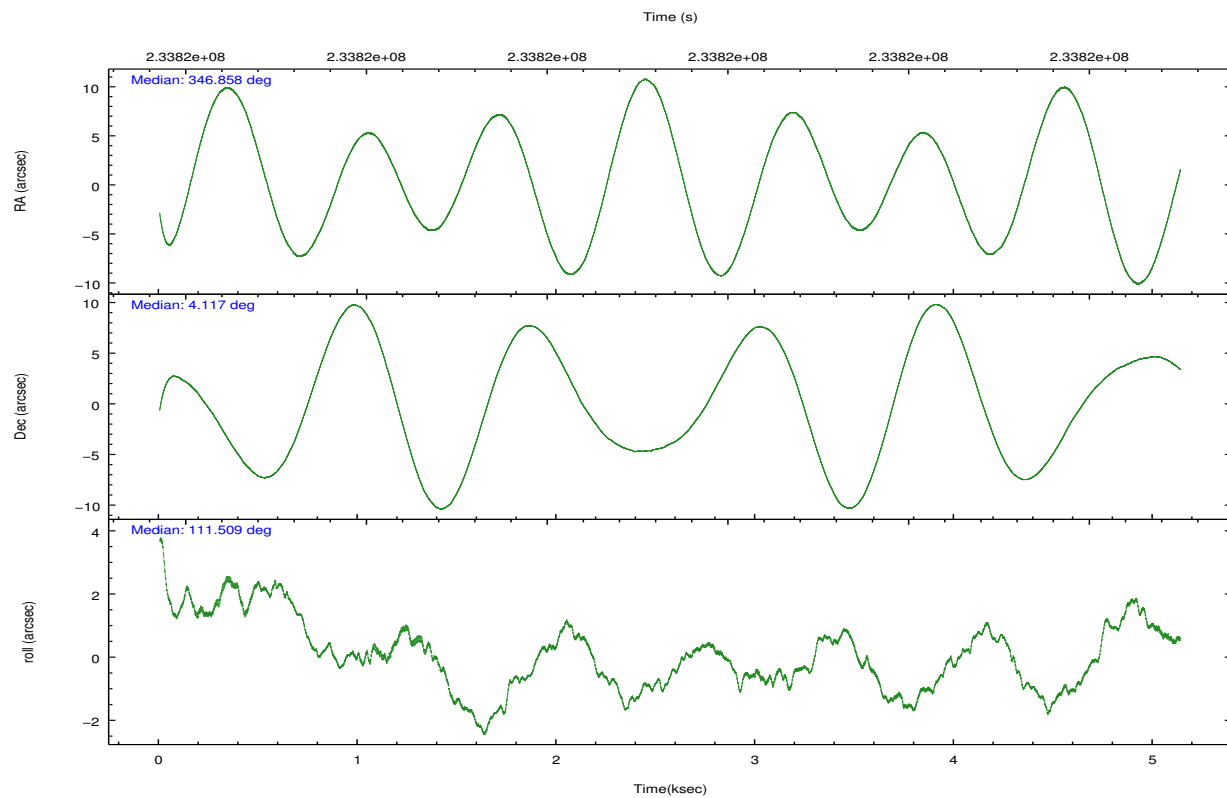


## 2.2 Compared Parameters

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	346.879679	346.8580326222501	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	4.099959	4.116643162575969	Subarray start row	449	449
[deg] Pointing Roll	111.355129	111.5133045283574	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	233816255.184000	233814627.19648			
Observation start date	2005-05-30T04:56:31	2005-05-30T04:30:27			
[s] Observation end time (MET)	233821255.184000	233822020.52182			
Observation end date	2005-05-30T06:19:51	2005-05-30T06:33:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect



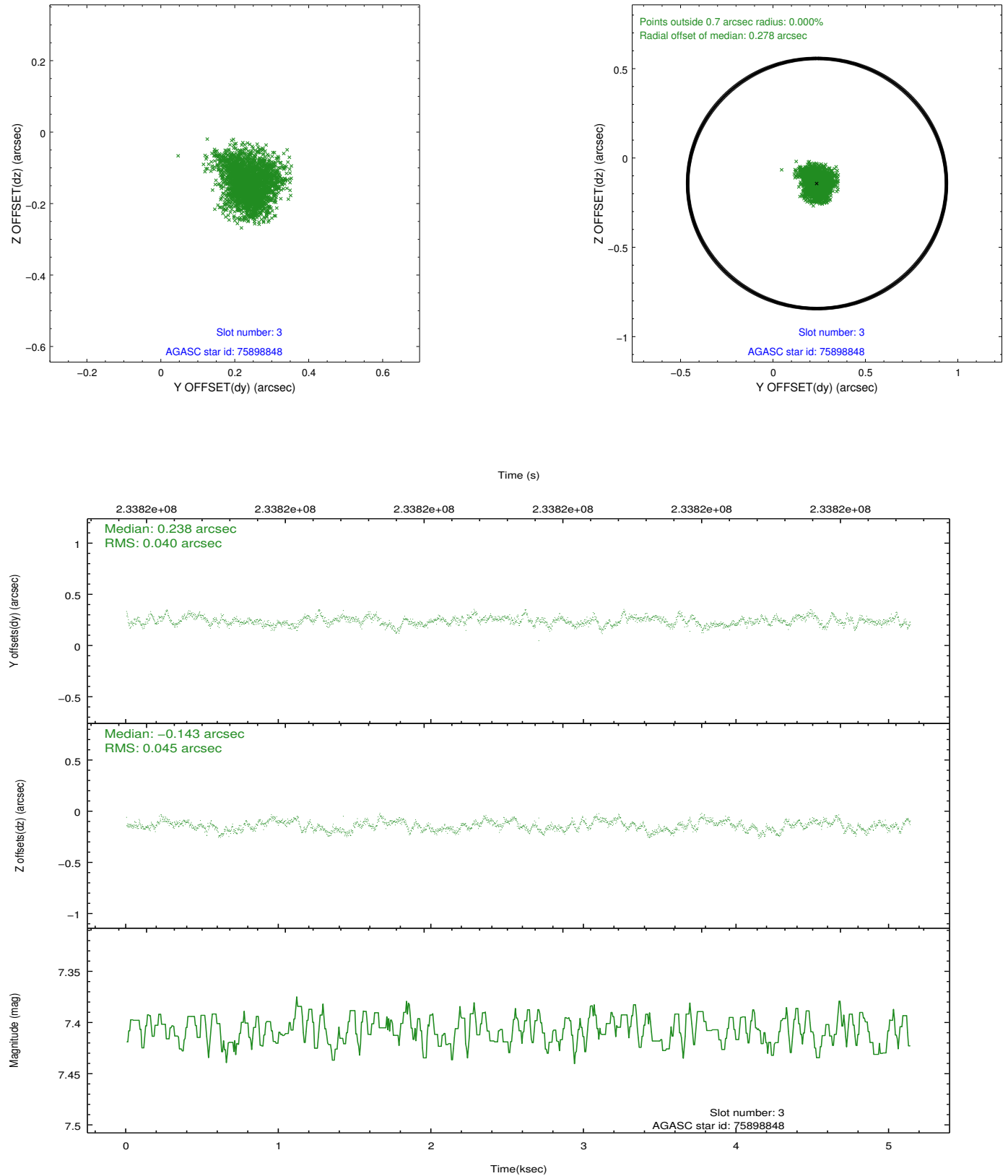


### Slot Statistics

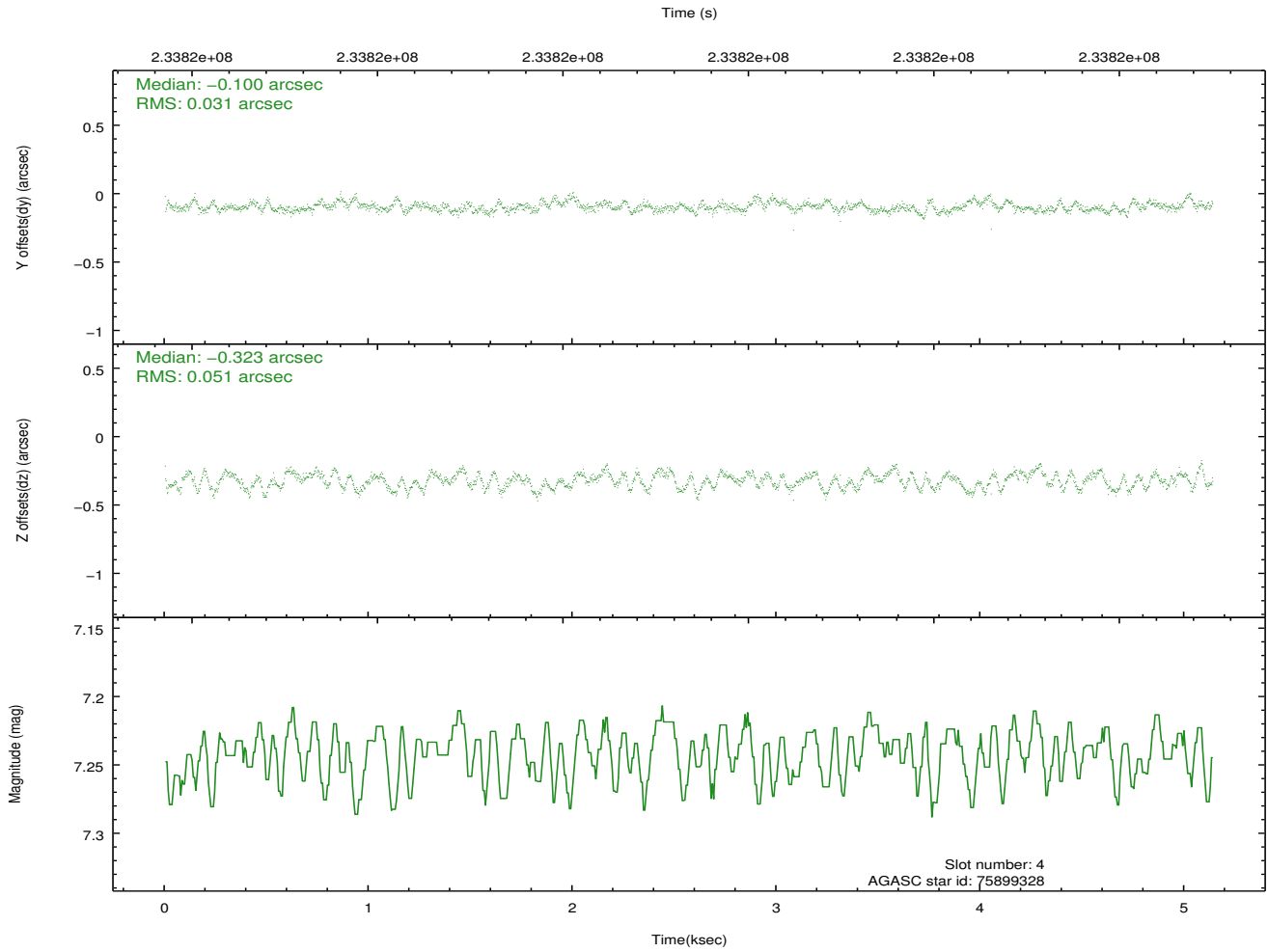
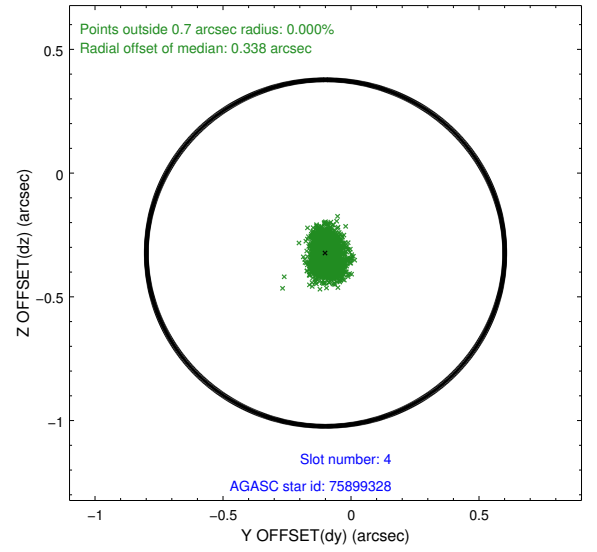
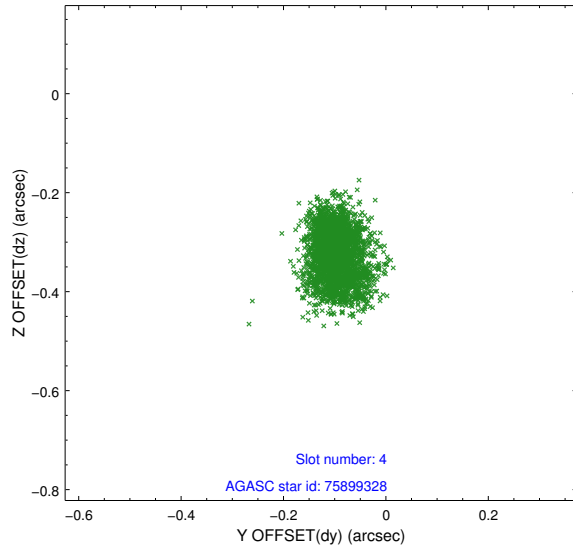
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1254	-0.075	-0.052	0.006	0.010	0.000000	0.000000	-759.82	-1731.42
1	FID	ACIS-S-4	7.21	1253	0.075	0.035	0.007	0.011	0.000000	0.000000	2153.05	175.97
2	FID	ACIS-S-6	7.35	1253	-0.028	0.024	0.007	0.013	0.000000	0.000000	403.69	814.67
3	GUIDE	75898848	7.41	2507	0.238	-0.143	0.065	0.103	347.007385	3.573023	-1933.74	262.93
4	GUIDE	75899328	7.24	2507	-0.100	-0.323	0.065	0.101	346.250675	4.225401	1241.74	1937.91
5	GUIDE	75900192	8.08	2506	-0.115	0.130	0.069	0.111	347.145089	4.678006	1592.09	-1643.74
6	GUIDE	75901128	8.99	2506	0.240	0.185	0.075	0.120	347.412072	3.788418	-1739.44	-1373.42
7	GUIDE	75895576	7.32	2506	-0.264	0.153	0.059	0.097	347.013510	4.874271	2420.64	-1462.43

## 2.4 Star Slots

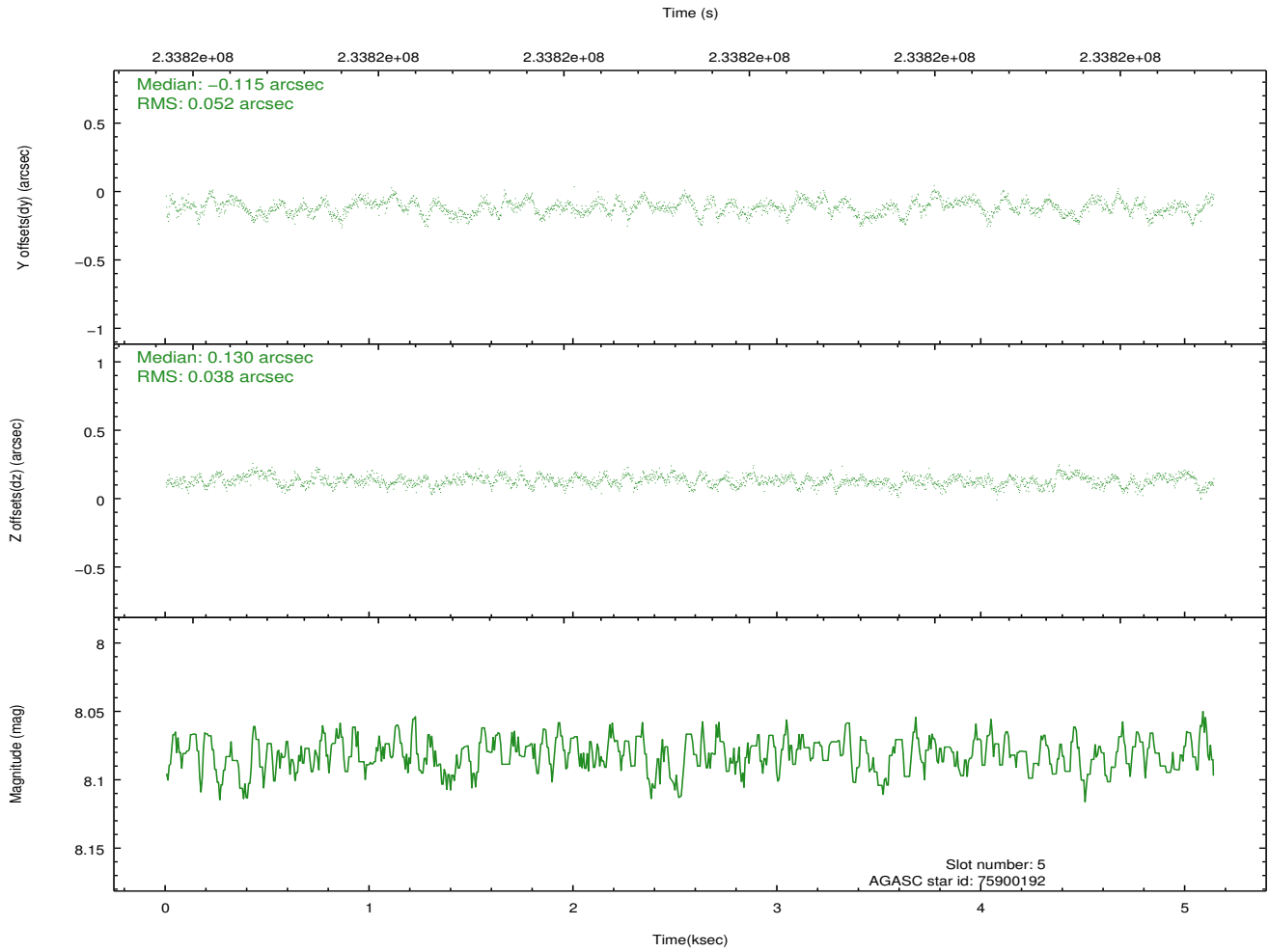
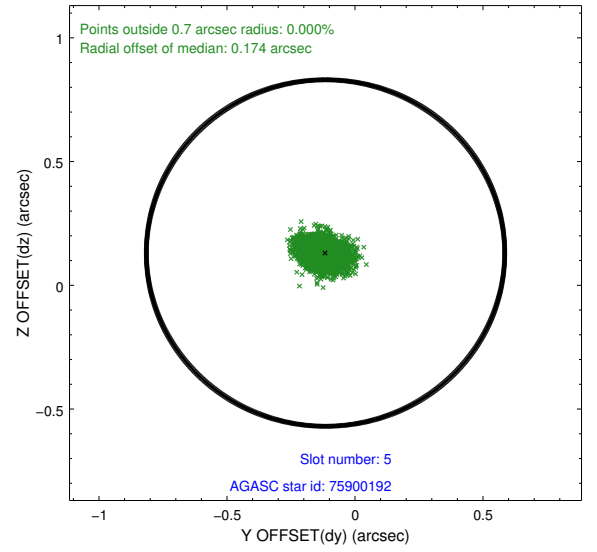
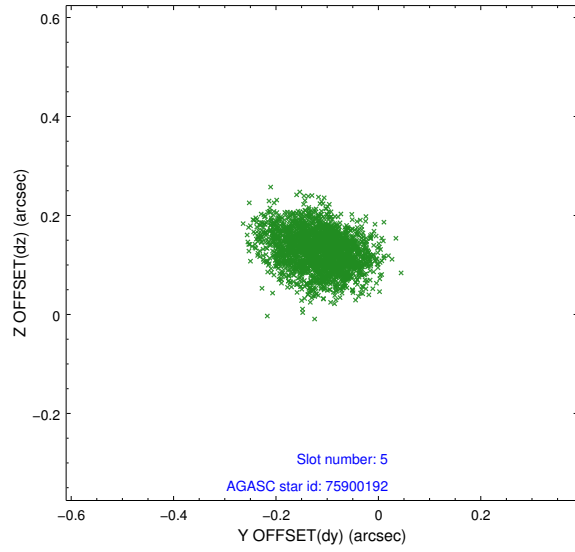
### 2.4.1 Slot 3



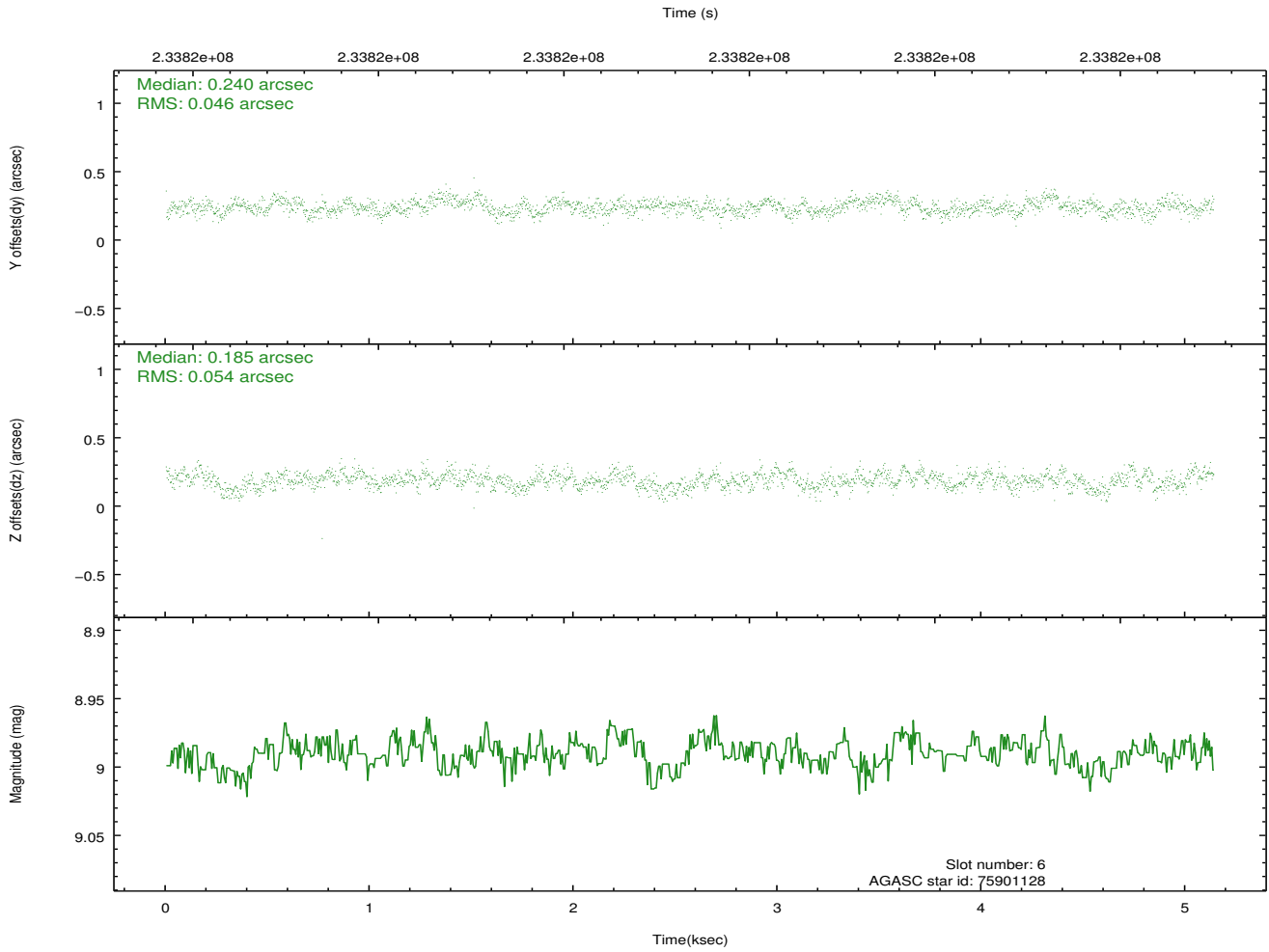
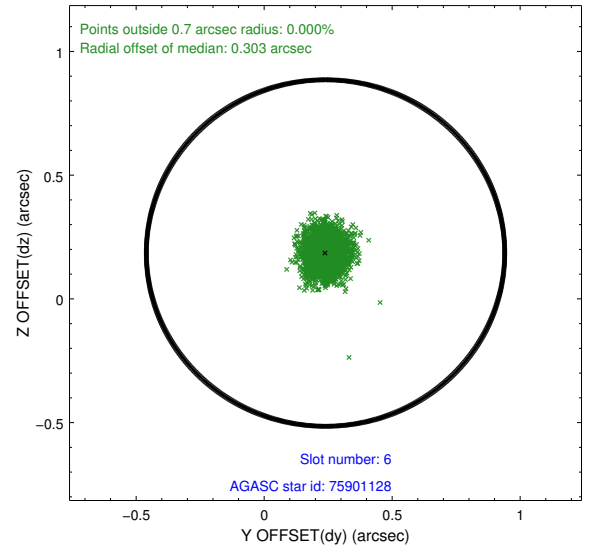
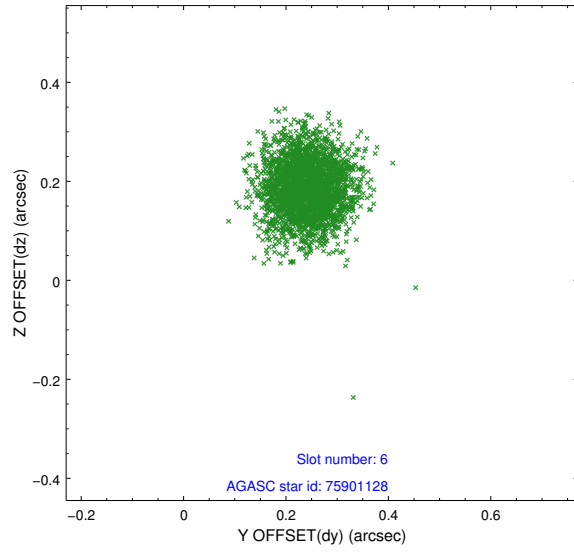
## 2.4.2 Slot 4



### 2.4.3 Slot 5

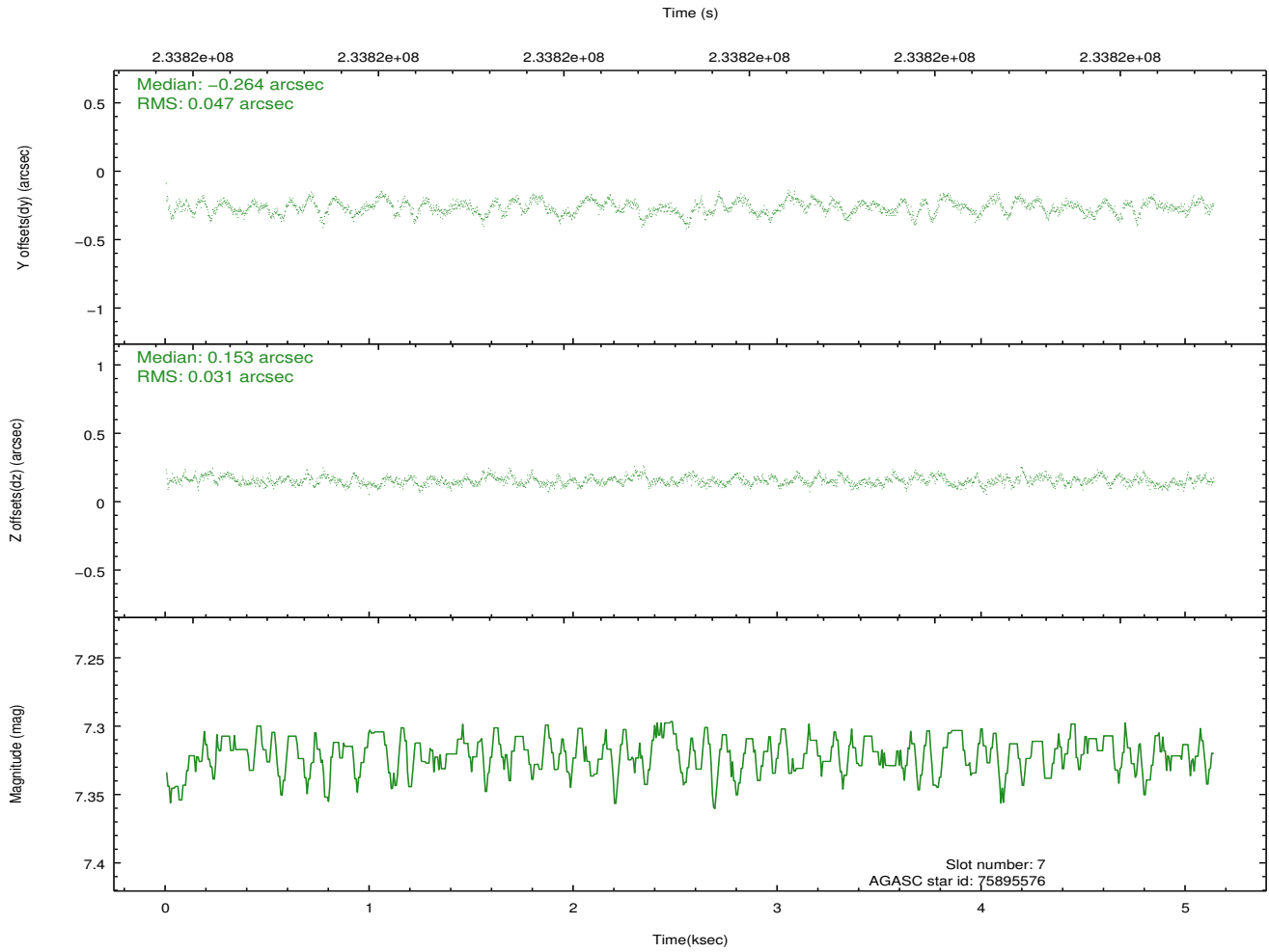
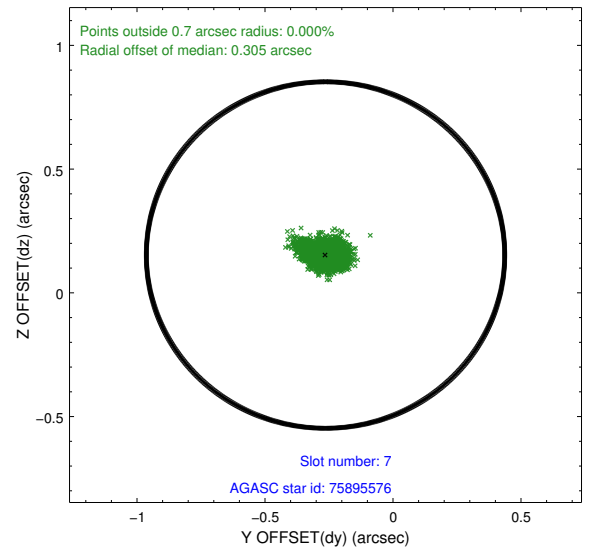
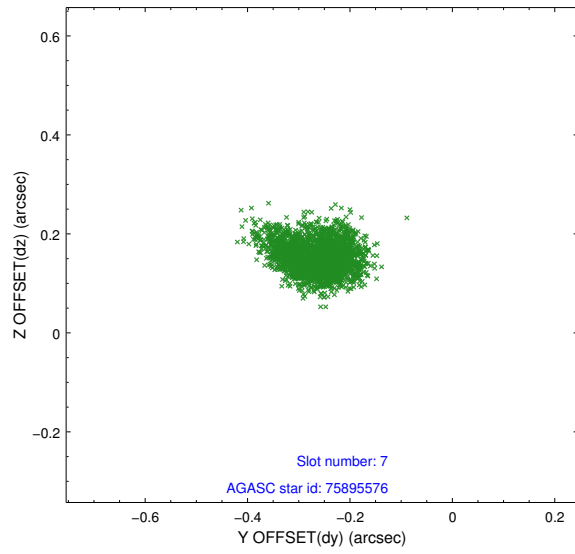


## 2.4.4 Slot 6



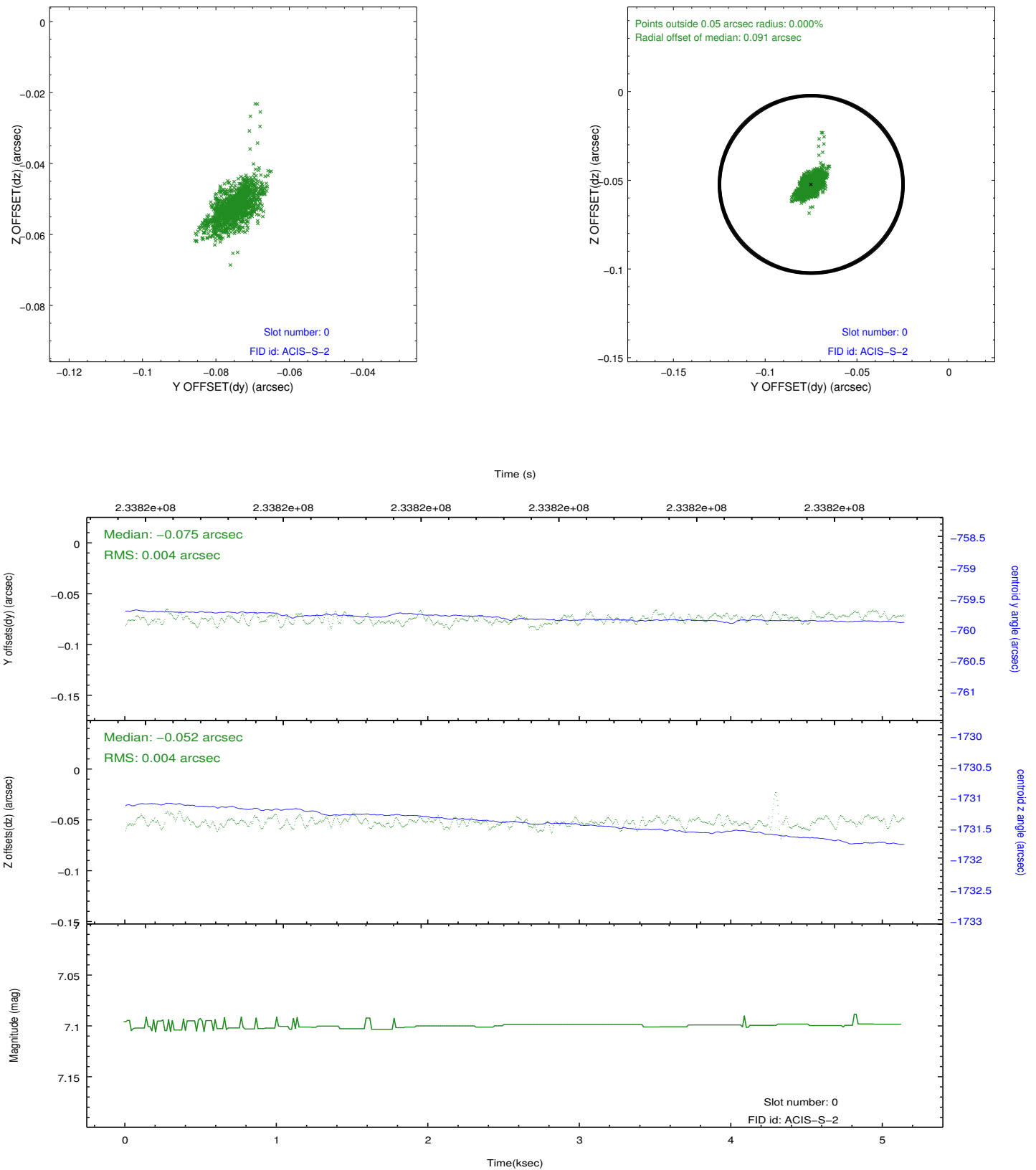


## 2.4.5 Slot 7

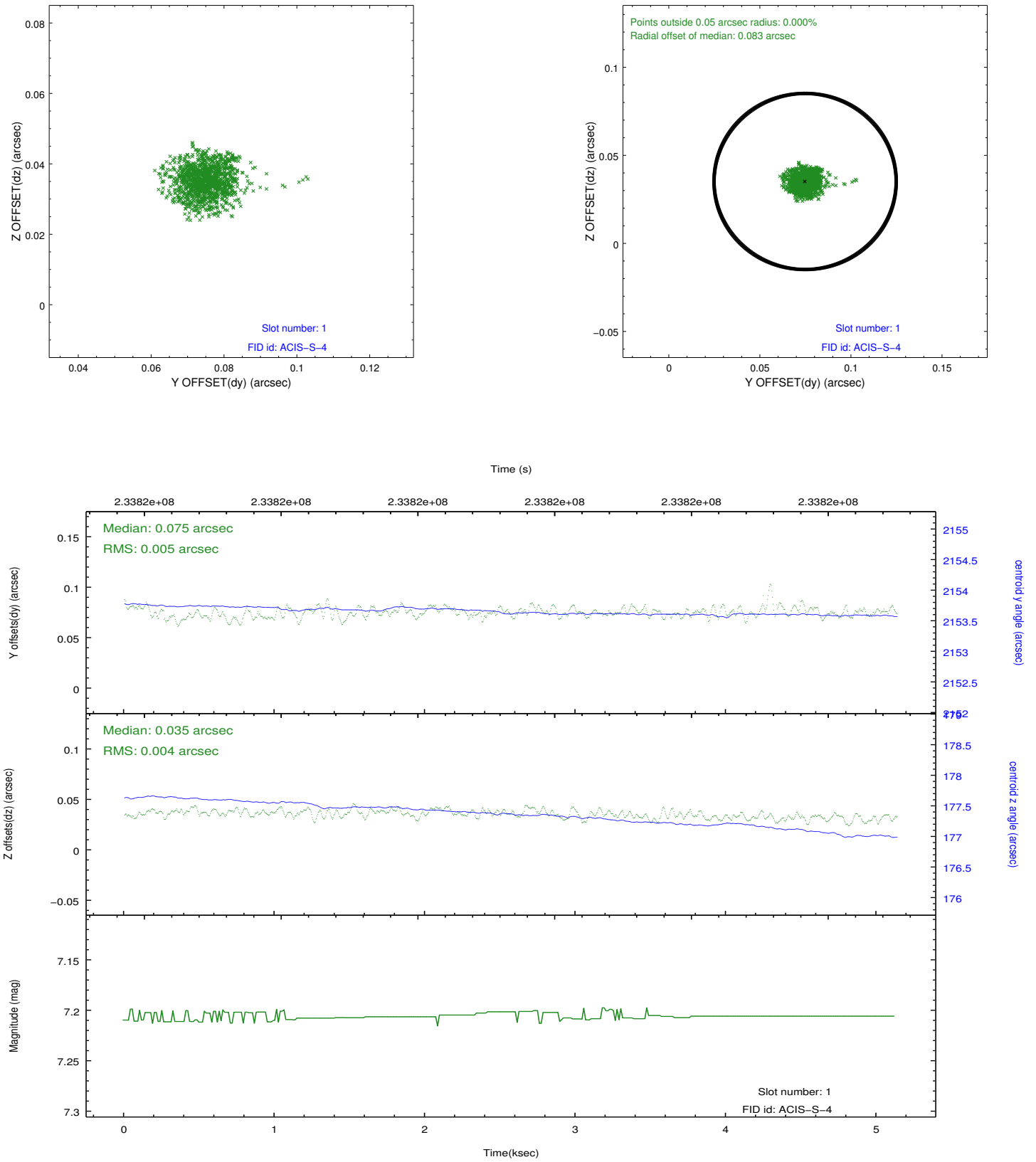


## 2.5 FID Slots

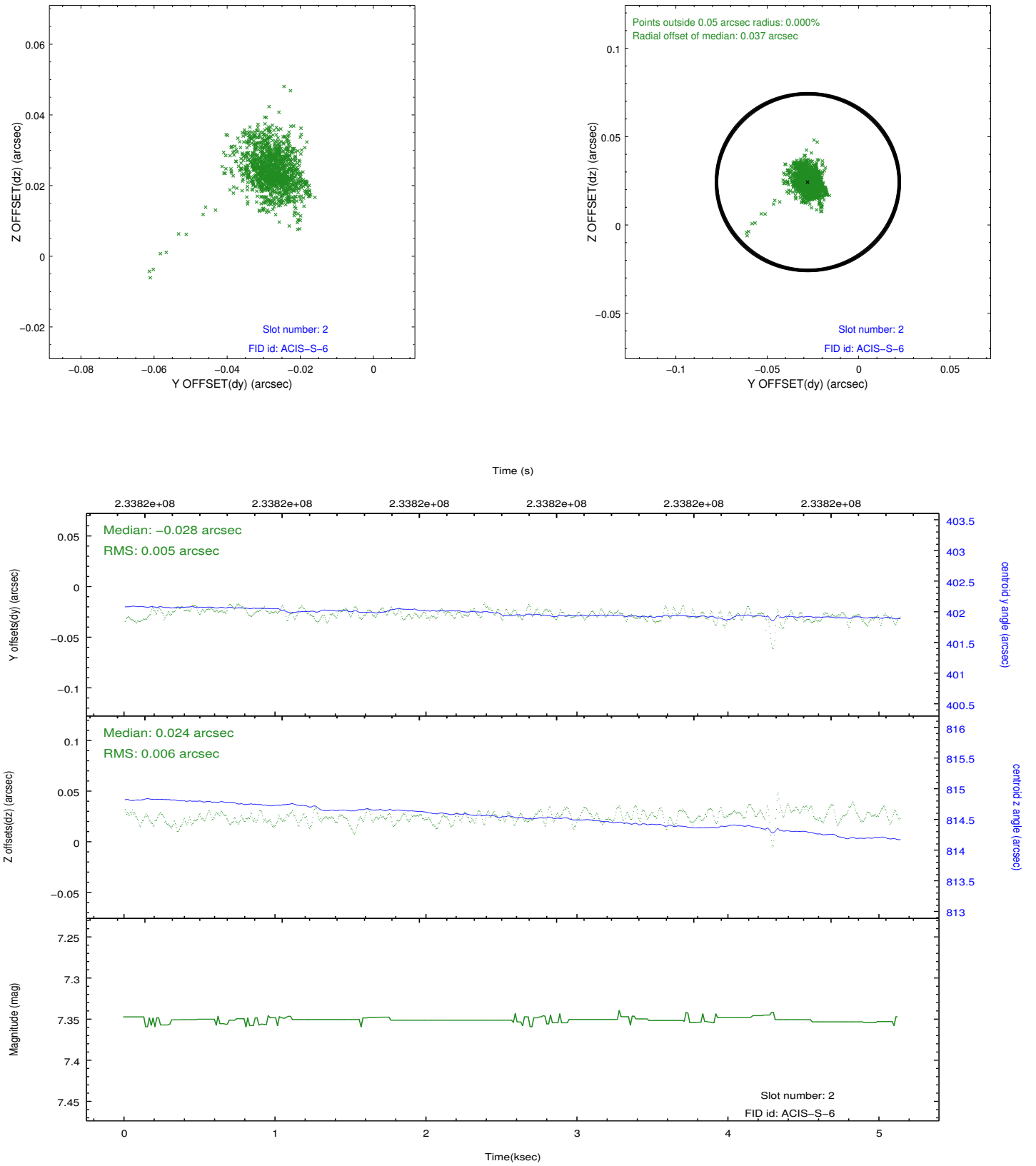
### 2.5.1 Slot 0



## 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)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8536

### A.2 Comments

Joint Proposal: NRAO