

ALMA Science

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Why does scriptForPI.py crash with NameError: name 'hif_restoredata' is not defined ?

Sarah Wood - 2020-09-21 - Offline Data Reduction and/or CASA

The behavior of hifa_restoredata (formerly hif_restoredata) has been changed such that starting with CASA 5.1.1, it now requires the pipeline manifest in order for it to work. The old hif_restoredata has been removed from 5.1.1, which means the ability to restore data without a manifest no longer exists. Meaning that CASA 5.1.1 will not be able to restore data archived from earlier cycles (which did not have the pipeline manifest archived). This includes all data taken before October 01, 2017.

If you would like to run scriptForPI.py to restore datasets originally calibrated in the pipeline prior to 5.1.1, please do not use CASA 5.1.1 or higher. CASA 4.7.2 was the last pipeline before 5.1.1.

We recommend the use of scriptForPI.py in the same version of CASA reported in the README file of the scheduling block. The CASA version can also be found in the logfiles of the log directory.

The error CASA prints is:

```
2017-10-26 16:36:59 INFO: Saving context to 'pipeline-20171026T163659.context'
```

```
-----  
NameError Traceback (most recent call last)
```

```
<ipython-input-2-e3e68ac9dbd5> in <module>()
```

```
----> 1 execfile('scriptForPI.py')
```

```
/home/casa/contrib/AIV/science/qa2/scriptForPI.py in <module>()
```

```
393 else:
```

```
394 print contfiles
```

```
--> 395 sys.exit('ERROR: found more than one *cont.dat file in directory "calibration"')
```

```
396
```

```
397 print "Directory \"working\" set up for pipeline re-run:"
```

```
../script/casa_piperestorescript.py in <module>()
```

```
12 h_save() # SACM/JAO - Finish weblog after fixes
```

```
13 h_init() # SACM/JAO - Restart weblog after fixes
```

```
---> 14 hif_restoredata (vis=['uid__A002_Xc3a8fe_X2454'], session=['session_1'],
```

```
ocorr_mode='ca')
```

```
15 finally:
```

16 h_save()

NameError: name 'hif_restoredata' is not defined