

The following data are collected from the nas at the following location: </nas/data/irsol/2019>

The following data shows the headers of the measurements and their various values. The values of the headers, which change for practically every measurement, are not shown. All measurements are z3bd files.

Number of measurements that have a specific header  
values of the header

Number of measurement parsed: 257

HEADERS:

'PIGLOWIN': [104, {1}],  
'AANGLE': [104, {38.559588136306004, 102.18449899198828, -24.800085770875413, 117.49516171753685, 22.59636154696969}],  
'M\_ID': [104, {'lot of different values'}],  
'M\_TYPE': [104, {'DARKFRAME', 'FLATFIELD', 'CALIBRATION', 'SCIENCE'}],  
'SPEORDER': [104, {9, 11, 12, 13}],  
'M\_MSL': [104, {1, 2, 3, 6, 50}],  
'SPEMODE': [104, {2}],  
'CCD\_NAME': [104, {'CCD55-30-1-349'}],  
'WLENGTH': [104, {4227, 5140, 6302, 4607}],  
'IANGLE': [104, {17.19285522767549, 19.77686860573957, 20.757703027292056, 21.564405248889557, 22.56515712225535}],  
'SPESLIT': [104, {-1.0}],  
'MCOMMENT': [104, {}],  
'PIGGUIDE': [104, {1, 2}],  
'SPEENCOD': [104, {'lot of different values'}],  
'RSLIN': [104, {0, 10}],  
'DESCRIPT': [104, {}],  
'STOKES': [104, {'IQV IUV ', 'IQV ', 'IQV IQV IQV IQV '}],  
'DATE': [139, {'lot of different values'}],  
'CAM\_TC': [104, {'lot of different values'}],  
'SPEALPHA': [104, {'lot of different values'}],  
'PIGY': [104, {'lot of different values'}],  
'PIGX': [104, {'lot of different values'}],  
'CAM\_VER': [104, {'lot of different values'}],  
'OBJECT': [104, {}],  
'PIGSOLRT': [104, {0, 1}],  
'M\_NAME': [104, {'lot of different values'}],  
'MOD\_POS': [104, {0, 90, -90}],  
'M\_SSL': [104, {1, 2, 4}],  
'M\_STATUS': [104, {1}],  
'IMG\_W': [104, {1240}],  
'MODULATO': [104, {'PEM'}],  
'SLS\_P0': [104, {'lot of different values'}],  
'IMG\_T': [104, {0}],

'PIGPOS': [104, {0, 1, 2, 3}],  
 'WAITLOWI': [104, {0}],  
 'CCD\_ID': [104, {'03262-21-09'}],  
 'IMG\_L': [104, {0}],  
 'OBSERVER': [104, {''}],  
 'SPEGRTWL': [104, {'lot of different values'}],  
 'SLIN': [104, {0, 100, 45, 81, -45, 90}],  
 'IMG\_H': [104, {560}],  
 'CAM\_IT': [104, {0.2, 0.5, 0.8, 1}],  
 'FPINSTRU': [104, {'Spectrograph'}],  
 'IMG\_TYPY': [104, {'spatial'}],  
 'IMG\_TYPX': [104, {'spectral'}],  
 'CAM\_REV': [104, {'C.0'}],  
 'INSTRUME': [104, {'ZIMPOL3'}],  
 'SYS\_PD': [104, {'lot of different values'}],  
 'TELESCOP': [104, {'Gregory IRSOL'}],  
 'CAM\_NAME': [104, {'CAM2'}],  
 'PIGI': [104, {'lot of different values'}],  
 'SPEMOWL': [104, {0.0}],  
 'SPEOOPT': [104, {9, 11, 12, 13}],  
 'IMG\_TYPE': [104, {'Spectrum'}],  
 'EPOLCOMP': [104, {0}],  
 'PIGMODE': [104, {0, 2}],  
 'DATE\_QE': [104, {'lot of different values'}],  
 'PIGXR': [104, {'lot of different values'}],  
 'SM\_NAME': [104, {'sigQ ', 'pQQ mQQ pVQ mVQ ', 'dc ', 'sigQ sigU '}],  
 'CAM\_ISL': [104, {'10 10 ', '14 ', '60 ', '30 30 ', '20 20 ', '100 100 ', '2 2 ', '600 600 ', '10 10 10 10 ', '30 ', '1000 ', '10 ', '200 ', '200 200 ', '300 300 ', '14 14 14 14 ', '40 '}],  
 'DATE\_QS': [104, {'lot of different values'}],  
 'PIGYR': [104, {'lot of different values'}],  
 'SLOUT': [104, {'lot of different values'}],  
 'DATE\_END': [104, {'lot of different values'}],  
 'CA\_TYPE': [103, {''}],  
 'CA\_DFFN': [103, {'', 'dark01000\_m2', 'dark00200\_m1', 'dark00500\_m2', 'dark00200\_m5', 'dark00200\_m2', 'dark00500\_m1', 'dark00800\_m3', 'dark00200\_m4', 'dark01000\_m3', 'dark00200\_m3', 'dark00800\_m4', 'dark01000\_m1', 'dark00800\_m1'}],  
 'SIMPLE': [35, {True}],  
 'BITPIX': [35, {16}],  
 'NAXIS': [35, {2}],  
 'NAXIS1': [35, {580}],  
 'NAXIS2': [35, {580}],  
 'BZERO': [35, {32768}],  
 'TSL': [35, {3318400642, 3024285957, 2518216710, 3016411144, 1204688395, 2202121743, 1725396375, 3186423067, 1435997212, 1121910431, 165381799, 1900818478, 3668367485, 643890494, 698041919, 3725480639, 4076275272, 3440634312, 2283864398, 689603283, 359514454, 2580890199, 1464186332, 391219295, 1791612388, 71732453, 2067103975, 3942836072, 2046798057, 1479325932, 3012541292, 519608306, 281078004, 3020318456, 1448980605}],

'TS': [35, [4867.695, 17795.122, 19083.963, 4366.796, 5784.955, 12573.092, 12580.028, 6056.308, 12587.528, 3756.804, 6196.257, 18101.28, 18100.904, 18101.028, 18101.153, 6201.38, 17594.481, 7229.414, 4799.095, 4418.651, 18243.907, 3909.117, 11720.861, 4170.023, 3291.537, 5341.896, 2269.491, 14816.068, 4970.14, 15723.253, 10604.867, 4846.264, 14065.141, 4857.702, 1791.999]],

'TSH': [35, [128, 129, 131, 132, 138, 13, 16, 23, 27, 28, 30, 31, 32, 34, 35, 36, 38, 42, 44, 45, 52, 77, 85, 91, 102, 107, 114]],

'HWC': [35, [96896, 187525, 225030, 77718, 281496, 66715, 284700, 79517, 99104, 70693, 60072, 251560, 62509, 201392, 52659, 77878, 201272, 85434, 305210, 169671, 69832, 201161, 76749, 115665, 36306, 291802, 77535, 92523, 289520, 99186, 289522, 289524, 237045, 289526, 28667]],

'ISN': [35, [0]],

'SSL': [35, [0]],

'SWC': [35, [96896, 187525, 225030, 77718, 281496, 66715, 284700, 79517, 99104, 70693, 60072, 251560, 62509, 201392, 52659, 77878, 201272, 85434, 305210, 169671, 69832, 201161, 76749, 115665, 36306, 291802, 77535, 92523, 289520, 99186, 289522, 289524, 237045, 289526, 28667]],

'IT': [35, [8.78385, 8.53547, 10.8461, 8.19892, 12.4735, 13.3633, 13.9526, 13.9725, 11.8696, 15.0774, 16.4227, 17.7012, 12.8338, 15.1636, 15.5941, 17.406, 17.233, 8.83095, 9.57003, 10.2421, 12.0591, 15.8784, 15.6999]]