

Trajectory FileChecker Examples

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Trajectory Workshop
Hamburg, Germany
2 Dec 2017

4901191_Rtraj.nc

***** Rejected File *****

Dac: *****'
File: '4901191_Rtraj.nc'
Type: 'TRAJECTORY'
Version: '3.1'
PI Name: *****'
Current Time (UCT): Fri Dec 1 12:48:20 2017
Reason:

JULD_DESCENT_START (MC 100): Not FillValue where there is no associated JULD at 198 cycles; index of first case = 1

JULD_DESCENT_START_STATUS (MC 100): Not FillValue where there is no associated JULD_STATUS at 198 cycles; index of first case = 1

JULD_DESCENT_END (MC 200): Not FillValue where there is no associated JULD at 198 cycles; index of first case = 1

JULD_DESCENT_END_STATUS (MC 200): Not FillValue where there is no associated JULD_STATUS at 198 cycles; index of first case = 1

JULD_ASCENT_START (MC 500): Not FillValue where there is no associated JULD at 198 cycles; index of first case = 1

JULD (MC 703) / JULD_FIRST_LOCATION: Inconsistent at 198 cycles
first 5 indices (N_MEASUREMENT, N_CYCLE) = (2,1), (5,2), (7,3), (9,4), (11,5)

JULD_STATUS (MC 703) / JULD_FIRST_LOCATION_STATUS: Inconsistent at 198 cycles
first 5 indices (N_MEASUREMENT, N_CYCLE) = (2,1), (5,2), (7,3), (9,4), (11,5)

JULD (MC 703) / JULD_LAST_LOCATION: Inconsistent at 198 cycles
first 5 indices (N_MEASUREMENT, N_CYCLE) = (3,1), (5,2), (7,3), (9,4), (11,5)

JULD_STATUS (MC 703) / JULD_LAST_LOCATION_STATUS: Inconsistent at 198 cycles
first 5 indices (N_MEASUREMENT, N_CYCLE) = (3,1), (5,2), (7,3), (9,4), (11,5)

4901191_Rtraj.nc

CYCLE_NUMBER/CYCLE_NUMBER_ADJUSTED/MEASUREMENT_CODE

1)	-1	99999	0
2)	0	99999	703
3)	0	99999	703
4)	1	99999	99999
5)	1	99999	703

JULD variables	n)	MC	JULD/JULD_STATUS/JULD_QC		JULD_ADJUSTED/JULD_ADJUSTED_STATUS/JULD_ADJUSTED_QC
	1)	0	22766.770833 '4'	'1'	999999.000000 ' ' ' '
	2)	703	22796.631944 '4'	'1'	999999.000000 ' ' ' '
	3)	703	22806.433333 '4'	'1'	999999.000000 ' ' ' '
	4)	99999	22806.629167 '4'	'1'	999999.000000 ' ' ' '
	5)	703	22816.429167 '4'	'1'	999999.000000 ' ' ' '

CYCLE_NUMBER_INDEX	/	CYCLE_NUMBER_INDEX_ADJUSTED	/	DATA_MODE	/	CONFIG_MISSION_NUMER	/	GROUNDED
1)	0	99999	'R'	1	'N'			
2)	1	99999	'R'	1	'N'			
3)	2	99999	'R'	1	'N'			
4)	3	99999	'R'	1	'N'			
5)	4	99999	'R'	1	'N'			

JULD_DESCENT_START/JULD_DESCENT_START_STATUS

1)	22796.770833	'2'
2)	22806.500000	'2'
3)	22816.512500	'2'
4)	22826.508333	'2'
5)	22836.500000	'2'

4901191_Rtraj.nc

CYCLE_NUMBER/CYCLE_NUMBER_ADJUSTED/MEASUREMENT_CODE

1)	-1	99999	0
2)	0	99999	703
3)	0	99999	703
4)	1	99999	99999
5)	1	99999	703

JULD variables n) MC JULD/JULD_STATUS/JULD_QC | JULD_ADJUSTED/JULD_ADJUSTED_STATUS/JULD_ADJUSTED_QC

1)	0	22766.770833	'4'	'1'		999999.000000	' ' ' '
2)	703	22796.631944	'4'	'1'		999999.000000	' ' ' '
3)	703	22806.433333	'4'	'1'		999999.000000	' ' ' '
4)	99999	22806.629167	'4'	'1'		999999.000000	' ' ' '
5)	703	22816.429167	'4'	'1'		999999.000000	' ' ' '

CYCLE_NUMBER_INDEX / CYCLE_NUMBER_INDEX_ADJUSTED / DATA_MODE / CONFIG_MISSION_NUMER / GROUNDED

1)	0	99999	'R'	1	'N'
2)	1	99999	'R'	1	'N'
3)	2	99999	'R'	1	'N'
4)	3	99999	'R'	1	'N'
5)	4	99999	'R'	1	'N'

JULD_FIRST_LOCATION/JULD_FIRST_LOCATION_STATUS

1)	999999.000000	' ' ' '
2)	999999.000000	' ' ' '
3)	999999.000000	' ' ' '
4)	999999.000000	' ' ' '
5)	999999.000000	' ' ' '

1901320_Rtraj.nc

***** Rejected File *****

Dac: *****'
File: '1901320_Rtraj.nc'
Type: 'TRAJECTORY'
Version: '3.1'
PI Name: *****'
Current Time (UCT): Fri Dec 1 12:19:10 2017
Reason:

**JULD_QC / JULD_STATUS: Use of ' ' or '9' is inconsistent at 1411 measurements
first 5 indices 1, 2, 3, 6, 7**

**JULD: FillValue where QC not ' ' or '9': At 235 measurements
first 5 indices 7, 34, 61, 85, 109**

**JULD: Not FillValue where QC ' ' or '9': At 3102 measurements
first 5 indices 13, 14, 15, 16, 17**

JULD_ADJUSTED_QC / JULD_ADJUSTED_STATUS: Use of ' '/'9' is inconsistent at 235 measurements
first 5 indices 8, 35, 62, 86, 110

JULD_ADJUSTED: FillValue where QC not ' ' or '9': At 235 measurements
first 5 indices 8, 35, 62, 86, 110

JULD (MC 703) / JULD_FIRST_LOCATION: Inconsistent at 9 cycles
first 5 indices (N_MEASUREMENT, N_CYCLE) = (66,3), (90,4), (483,19), (1695,65), (2046,78)

JULD_STATUS (MC 703) / JULD_LAST_LOCATION_STATUS: Inconsistent at 235 cycles
first 5 indices (N_MEASUREMENT, N_CYCLE) = (25,1), (52,2), (76,3), (100,4), (124,5)

PRES: Not FillValue where QC is ' ' or 9 at 235 measurements
first 5 indices 28, 55, 79, 103, 127

1901320_Rtraj.nc

JULD variables	n)	MC	JULD/JULD_STATUS/JULD_QC	JULD_ADJUSTED/JULD_ADJUSTED_STATUS/JULD_ADJUSTED_QC
1)	0	22451.913889	' ' '1'	999999.000000 ' ' '1'
2)	100	999999.000000	'9' ' ' '1'	22451.913889 '1' '0'
3)	250	999999.000000	'9' ' ' '1'	22452.110060 '1' '0'
4)	290	22452.469670	'1' '1' '1'	999999.000000 ' ' '1'
5)	296	22452.469670	'1' '1' '1'	999999.000000 ' ' '1'
6)	300	999999.000000	'9' ' ' '1'	22452.469670 '1' '0'
7)	400	999999.000000	'9' '0' '1'	999999.000000 ' ' '1'
8)	500	999999.000000	'9' ' ' '1'	999999.000000 '9' '0'
9)	600	22452.875891	'3' '0' '1'	999999.000000 ' ' '1'
10)	700	22452.882836	'3' '0' '1'	999999.000000 ' ' '1'
11)	702	22452.883067	'4' '0' '1'	999999.000000 ' ' '1'
12)	703	22452.886817	'4' '0' '1'	999999.000000 ' ' '1'
13)	703	22452.950208	' ' ' '1'	999999.000000 ' ' '1'
14)	703	22452.957894	' ' ' '1'	999999.000000 ' ' '1'
15)	703	22452.963530	' ' ' '1'	999999.000000 ' ' '1'

1901320_Rtraj.nc

***** Rejected File *****

Dac: *****'

File: '1901320_Rtraj.nc'

Type: 'TRAJECTORY'

Version: '3.1'

PI Name: *****'

Current Time (UCT): Fri Dec 1 12:19:10 2017

Reason:

JULD_QC / JULD_STATUS: Use of ' ' or '9' is inconsistent at 1411 measurements
first 5 indices 1, 2, 3, 6, 7

JULD: FillValue where QC not ' ' or '9': At 235 measurements
first 5 indices 7, 34, 61, 85, 109

JULD: Not FillValue where QC ' ' or '9': At 3102 measurements
first 5 indices 13, 14, 15, 16, 17

JULD_ADJUSTED_QC / JULD_ADJUSTED_STATUS: Use of ' '/'9' is inconsistent at 235 measurements
first 5 indices 8, 35, 62, 86, 110

JULD_ADJUSTED: FillValue where QC not ' ' or '9': At 235 measurements
first 5 indices 8, 35, 62, 86, 110

JULD (MC 703) / JULD_FIRST_LOCATION: Inconsistent at 9 cycles
first 5 indices (N_MEASUREMENT, N_CYCLE) = (66,3), (90,4), (483,19), (1695,65), (2046,78)

JULD_STATUS (MC 703) / JULD_LAST_LOCATION_STATUS: Inconsistent at 235 cycles
first 5 indices (N_MEASUREMENT, N_CYCLE) = (25,1), (52,2), (76,3), (100,4), (124,5)

PRES: Not FillValue where QC is ' ' or 9 at 235 measurements
first 5 indices 28, 55, 79, 103, 127

1901320_Rtraj.nc

***** Rejected File *****

Dac: *****'

File: '1901320_Rtraj.nc'

Type: 'TRAJECTORY'

Version: '3.1'

PI Name: *****'

Current Time (UCT): Fri Dec 1 12:19:10 2017

Reason:

JULD_QC / JULD_STATUS: Use of ' ' or '9' is inconsistent at 1411 measurements
first 5 indices 1, 2, 3, 6, 7

JULD: FillValue where QC not ' ' or '9': At 235 measurements
first 5 indices 7, 34, 61, 85, 109

JULD: Not FillValue where QC ' ' or '9': At 3102 measurements
first 5 indices 13, 14, 15, 16, 17

JULD_ADJUSTED_QC / JULD_ADJUSTED_STATUS: Use of ' '/'9' is inconsistent at 235 measurements
first 5 indices 8, 35, 62, 86, 110

JULD_ADJUSTED: FillValue where QC not ' ' or '9': At 235 measurements
first 5 indices 8, 35, 62, 86, 110

JULD (MC 703) / JULD_FIRST_LOCATION: Inconsistent at 9 cycles
first 5 indices (N_MEASUREMENT, N_CYCLE) = (66,3), (90,4), (483,19), (1695,65), (2046,78)

JULD_STATUS (MC 703) / JULD_LAST_LOCATION_STATUS: Inconsistent at 235 cycles
first 5 indices (N_MEASUREMENT, N_CYCLE) = (25,1), (52,2), (76,3), (100,4), (124,5)

PRES: Not FillValue where QC is ' ' or 9 at 235 measurements
first 5 indices 28, 55, 79, 103, 127

1901320_Rtraj.nc

PRES	PRES / QC		PRES_ADJUSTED /	_ERROR /	_QC
25) 99999.0000	' '		99999.0000	99999.0000	' '
26) 99999.0000	' '		99999.0000	99999.0000	' '
27) 99999.0000	' '		99999.0000	99999.0000	' '
28)	0.1000	' '	 99999.0000	99999.0000	' '
29) 99999.0000	' '		99999.0000	99999.0000	' '
30) 99999.0000	' '		99999.0000	99999.0000	' '
31) 1005.8000	'0'		1005.7000	99999.0000	'0'
32) 695.6000	'0'		695.5000	99999.0000	'0'
33) 99999.0000	' '		99999.0000	99999.0000	' '
34) 99999.0000	' '		99999.0000	99999.0000	' '
35) 99999.0000	' '		99999.0000	99999.0000	' '
36) 99999.0000	' '		99999.0000	99999.0000	' '
37) 99999.0000	' '		99999.0000	99999.0000	' '
38) 99999.0000	' '		99999.0000	99999.0000	' '
39) 99999.0000	' '		99999.0000	99999.0000	' '
40) 99999.0000	' '		99999.0000	99999.0000	' '
41) 99999.0000	' '		99999.0000	99999.0000	' '
42) 99999.0000	' '		99999.0000	99999.0000	' '
43) 99999.0000	' '		99999.0000	99999.0000	' '
44) 99999.0000	' '		99999.0000	99999.0000	' '
45) 99999.0000	' '		99999.0000	99999.0000	' '
46) 99999.0000	' '		99999.0000	99999.0000	' '
47) 99999.0000	' '		99999.0000	99999.0000	' '
48) 99999.0000	' '		99999.0000	99999.0000	' '
49) 99999.0000	' '		99999.0000	99999.0000	' '
50) 99999.0000	' '		99999.0000	99999.0000	' '
51) 99999.0000	' '		99999.0000	99999.0000	' '
52) 99999.0000	' '		99999.0000	99999.0000	' '
53) 99999.0000	' '		99999.0000	99999.0000	' '
54) 99999.0000	' '		99999.0000	99999.0000	' '
55)	0.1000	' '	 99999.0000	99999.0000	' '
56) 99999.0000	' '		99999.0000	99999.0000	' '
57) 99999.0000	' '		99999.0000	99999.0000	' '
58) 1005.0000	'0'		1004.7000	99999.0000	'0'
59) 999.0000	'0'		998.7000	99999.0000	'0'

4902147_Rtraj.nc

***** Rejected File *****

Dac: *****

File: '4902147_Rtraj.nc'

Type: 'TRAJECTORY'

Version: '3.1'

PI Name: *****

Current Time (UCT): Thu Nov 30 20:29:28 2017

Reason:

JULD_ADJUSTED_QC / JULD_ADJUSTED_STATUS: Use of ' '/'9' is inconsistent at 58 measurements
first 5 indices 3097, 3098, 3099, 3100, 3101

**JULD_ADJUSTED: Not FillValue where DATA_MODE not 'A' or 'D': At 69 measurements
first 5 indices 2766, 2767, 2768, 2769, 2770**

4902147_Rtraj.nc

CYCLE_NUMBER/CYCLE_NUMBER_ADJUSTED/MEASUREMENT_CODE

2763)	127	99999	703
2764)	127	99999	703
2765)	127	99999	703
2766)	128	99999	100
2767)	128	99999	190
2768)	128	99999	190
2769)	128	99999	190
2770)	128	99999	190
2771)	128	99999	190
2772)	128	99999	190

CYCLE_NUMBER_INDEX / CYCLE_NUMBER_INDEX_ADJUSTED / DATA_MODE / CONFIG_MISSION_NUMER / GROUNDED

127)	126	99999	'A'	2	'U'
128)	127	99999	'A'	2	'U'
129)	128	99999	'R'	2	'U'
130)	129	99999	'R'	2	'U'
131)	130	99999	'R'	2	'U'
132)	131	99999	'R'	2	'U'
133)	132	99999	'R'	2	'U'
134)	133	99999	'R'	2	'U'
135)	134	99999	'R'	2	'U'
136)	135	99999	'R'	2	'U'
137)	136	99999	'R'	2	'U'
138)	137	99999	'R'	2	'U'
139)	138	99999	'R'	2	'U'
140)	139	99999	'R'	2	'U'
141)	140	99999	'A'	2	'U'
142)	141	99999	'A'	2	'U'

JULD variables n) MC JULD/JULD_STATUS/JULD_QC | JULD_ADJUSTED/JULD_ADJUSTED_STATUS/JULD_ADJUSTED_QC

2760)	700	24730.311366	'2'	'1'		24730.310787	'2'	'1'
2761)	703	24730.320139	'2'	'1'		24730.320139	'2'	'1'
2762)	800	24730.327755	'2'	'1'		24730.327176	'2'	'1'
2763)	703	24730.342130	'2'	'1'		24730.342130	'2'	'1'
2764)	703	24730.361574	'2'	'1'		24730.361574	'2'	'1'
2765)	703	24730.381481	'2'	'1'		24730.381481	'2'	'1'
2766)	100	24730.388947	'2'	'1'	 	24730.388368	'2'	'1'
2767)	190	24730.399178	'2'	'1'	 	24730.398600	'2'	'1'
2768)	190	24730.409745	'2'	'1'	 	24730.409167	'2'	'1'
2769)	190	24730.430579	'2'	'1'	 	24730.430000	'2'	'1'
2770)	190	24730.451412	'2'	'1'	 	24730.450833	'2'	'1'
2771)	190	24730.451435	'2'	'1'	 	24730.450856	'2'	'1'
2772)	190	24730.472245	'2'	'1'	 	24730.471667	'2'	'1'

6901437_Rtraj.nc

***** Rejected File *****

Dac: *****

File: '6901437_Rtraj.nc'

Type: 'TRAJECTORY'

Version: '3.1'

PI Name: *****

Current Time (UCT): Thu Nov 30 18:19:33 2017

Reason:

JULD (MC 702) / JULD_FIRST_MESSAGE: Inconsistent at 1 cycles; index (N_MEASUREMENT, N_CYCLE) = (5091,11)

JULD (MC 704) / JULD_LAST_MESSAGE: Inconsistent at 1 cycles; index (N_MEASUREMENT, N_CYCLE) = (5094,11)

6901437_Rtraj.nc

CYCLE_NUMBER/CYCLE_NUMBER_ADJUSTED/MEASUREMENT_CODE

```

4403)      9  99999      800
4404)     11  99999      703
4405)     11  99999      702
-----
4406)     11  99999      704
4407)     11  99999      100
. . . .
5089)     11  99999      700
5090)     11  99999      800
5091)    11  99999      702
5092)     11  99999      703
5093)     11  99999      703
5094)    11  99999      704
5095)     12  99999      100
5096)     12  99999      150
    
```

(N_MEASUREMENT = 229,652)

```

JULD variables n)      MC  JULD/JULD_STATUS/JULD_QC | JULD_ADJUSTED/JULD_ADJUSTED_STATUS/JULD_ADJUSTED_QC
4404)      703  23032.071377 '4' '1' | 23032.071377 '4' '1'
4405)      702  23032.071389 '4' '1' | 23032.071389 '4' '1'
4406)      704  23032.071389 '4' '1' | 23032.071389 '4' '1'
4407)      100  23032.093056 '2' '1' | 23032.093056 '2' '1'
. . . .
5089)      700  23042.583102 '3' '1' | 23042.583102 '3' '1'
5090)      800  999999.000000 '9' '9' | 999999.000000 '9' '9'
5091)    702  23042.591794 '4' '1' | 23042.591794 '4' '1'
5092)      703  23042.602824 '4' '1' | 23042.602824 '4' '1'
5093)      703  23042.614178 '4' '1' | 23042.614178 '4' '1'
5094)    704  23042.614178 '4' '1' | 23042.614178 '4' '1'
5095)      100  23042.634028 '2' '1' | 23042.634028 '2' '1'
5096)      150  23042.728472 '2' '1' | 23042.728472 '2' '1'
    
```

CYCLE_NUMBER_INDEX / CYCLE_NUMBER_INDEX_ADJUSTED / DATA_MODE / CONFIG_MISSION_NUMER / GROUNDED

```

9)      8  99999  'A'  3  'N'
10)     9  99999  'A'  3  'N'
11)    11  99999  'A'  3  'N'
12)    12  99999  'A'  3  'N'
13)    13  99999  'A'  3  'N'
14)    14  99999  'A'  3  'N'
    
```

JULD_FIRST_MESSAGE/JULD_FIRST_MESSAGE_STATUS

```

9)      23010.589560 '4'
10)     23020.582650 '4'
11)    23032.071389 '4'
12)     23052.591343 '4'
13)     23062.589606 '4'
14)     23072.591713 '4'
    
```

JULD_LAST_MESSAGE/JULD_LAST_MESSAGE_STATUS

```

9)      23010.613889 '4'
10)     23020.599954 '4'
11)    23032.071389 '4'
12)     23052.611528 '4'
13)     23062.610208 '4'
14)     23072.617292 '4'
    
```

***** Rejected File *****

Dac: *****
File: '2902222_Rtraj.nc'
Type: 'TRAJECTORY'
Version: '3.1'
PI Name: *****

Current Time (UCT): Thu Nov 30 06:48:21 2017

Reason:

JULD_QC / JULD_STATUS: Use of ' ' or '9' is inconsistent at 181 measurements
first 5 indices 1, 2, 3, 6, 7

JULD: FillValue where QC not ' ' or '9': At 30 measurements
first 5 indices 7, 36, 62, 88, 115

JULD_ADJUSTED_QC / JULD_ADJUSTED_STATUS: Use of ' ' / '9' is inconsistent at 30 measurements
first 5 indices 8, 37, 63, 89, 116

JULD_ADJUSTED: FillValue where QC not ' ' or '9': At 30 measurements
first 5 indices 8, 37, 63, 89, 116

JULD after update time at 33 measurements
first 5 indices 1, 368, 369, 390, 391

JULD_ADJUSTED after update time at 62 measurements
first 5 indices 370, 386, 388, 389, 392

JULD (MC 703) / JULD_FIRST_LOCATION: Inconsistent at 1 cycles; index (N_MEASUREMENT, N_CYCLE) = (12,1)

JULD (MC 703) / JULD_LAST_LOCATION: Inconsistent at 3 cycles
first 3 indices (N_MEASUREMENT, N_CYCLE) = (27,1), (284,11), (362,14)

PRES: Not FillValue where QC is ' ' or 9 at 30 measurements
first 5 indices 30, 56, 82, 109, 136

PARAM/_QC errors prevent checking _ADJUSTED

R-mode: TEMP_ADJUSTED: = Not FillValue at 56 measurements
first 5 indices 4, 5, 33, 34, 59

R-mode: PSAL_ADJUSTED: = Not FillValue at 28 measurements
first 5 indices 4, 33, 59, 139, 166
