

**History of events impacting the DORIS data available at the IDS Data Centers. This file exists in two formats: Excel and pdf.
More details are given in the comments of the cells in the Excel file (.xls)**

date (yyyy/mm/dd)	Spot2	Topex	Spot3	Spot4	Jason1	Spot5	Envisat	Jason2	Cryosat2
1990/03/31	first data on IDS DCs / data format 1.0								
1992/09/25	first data on IDS DCs / data format 1.0								
1994/02/01			first data on IDS DCs / data format 1.0						
1995/11/26	No data for cycle 118, from 1995/11/26 to 1995/12/05; no file topdata118								
1995/12/04			No data from 1995/12/04 to 1995/12/14						
1996/11/13			last data on IDS DCs						
1998/05/01			first data on IDS DCs / data format 1.0 / Minimum elevation angle 12 deg / erroneous values of the center of mass correction until Jan. 09 1999 (cycles 1- 31, except cycle 29 Dec. 15-22 1998)						
1998/12/20	DORIS instrument: Switch from Nominal to BackUp								
1999/01/10			correct values of the center of mass correction in the data files						
2002/01/11	data format 2.1		data format 2.1						

2002/01/15
2002/06/11
2002/06/13
2002/07/06
2002/09/01
2002/11/25
2003/02/20

data format 2.1

first data on IDS
DCs / data format
2.1 / no data under
12 deg

first data on IDS
DCs / data format
2.1 / Minimum
elevation 8 deg
but flag '*edited
during pre-
processing*' for
data between 8
and 12 deg

first data on IDS
DCs / data format
2.1 / All elevation
angle but flag
'*edited during pre-
processing*' for
data under 13 deg

Envisat Interface
Control Unit
anomaly: no data
from 2002/07/06
08:02:00 to
2002/07/09
14:00:00

More validated
data between 10
and 13 deg in
data files starting
from en1data020
(cycle 10)

New DORIS
software upload

Envisat Payload
anomaly, DORIS
MVR switch off.
No data from
2003/02/20 to
2003/02/24

2003/02/20

2003/09/04

2003/09/17

2003/09/30

2003/10/07

2003/11/19

2003/11/25

2004/02/15

2004/05/26

DORIS software failure; no data from 2003/09/30 to 2003/10/07
Software uploads

Safehold mode. No data for cycle 431 and 432, from 2004/05/26 to 2004/06/14; no file topdata431 and topdata432

Envisat Payload anomaly, DORIS MVR switch off. No data from 2003/03/15 to 2003/03/17

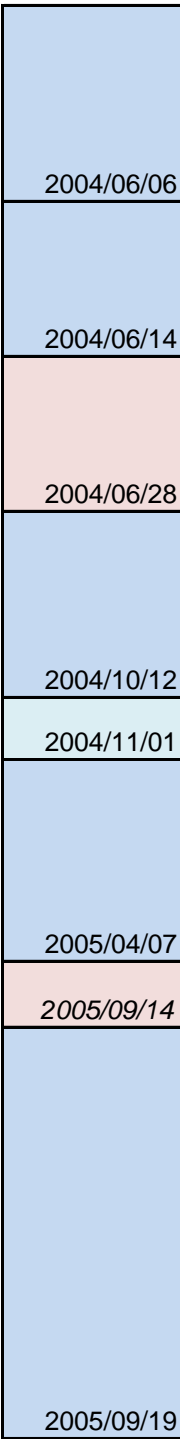
Envisat Payload anomaly, DORIS MVR switch off. No data from 2003/09/04 to 2003/09/08

Less flagged data in data files starting from sp5data053

Jason1 incident. No data from 2003/11/19 to 2003/11/27.

Change in POE pre-processing: tropospheric correction improved in data files starting from en1data076 (cycle 22)

Jason1 incident. No data from 2004/02/15 to 2004/02/19



last data on IDS
DCs

DORIS instrument:
Switch from
BackUp to Nominal

*(Still no data
under 12 deg)*

DORIS instrument
failure. No data for
week 1274
(2004/06/06-
20040612); no file
en1data104

DORIS instrument:
Switch from
Nominal to BackUp

CHAINED MODE
More validated
data in data files
starting from
en1data122 (cycle
31)

More validated
data between 10
and 12 deg in
data files starting
from en1data147
(cycle 36)

POE GDRB. This
new configuration
is set up on
2005/09/19. Wrt to
the previous one,
an additional bias
of +6.5
microseconds is
applied to the
onboard Doppler
time transits of
chain2 from
2005/09/19

2005/09/20

2005/09/27

2005/11/09

2006/01/18

Less data for a selection of high-latitude stations in data files starting from sp2data574



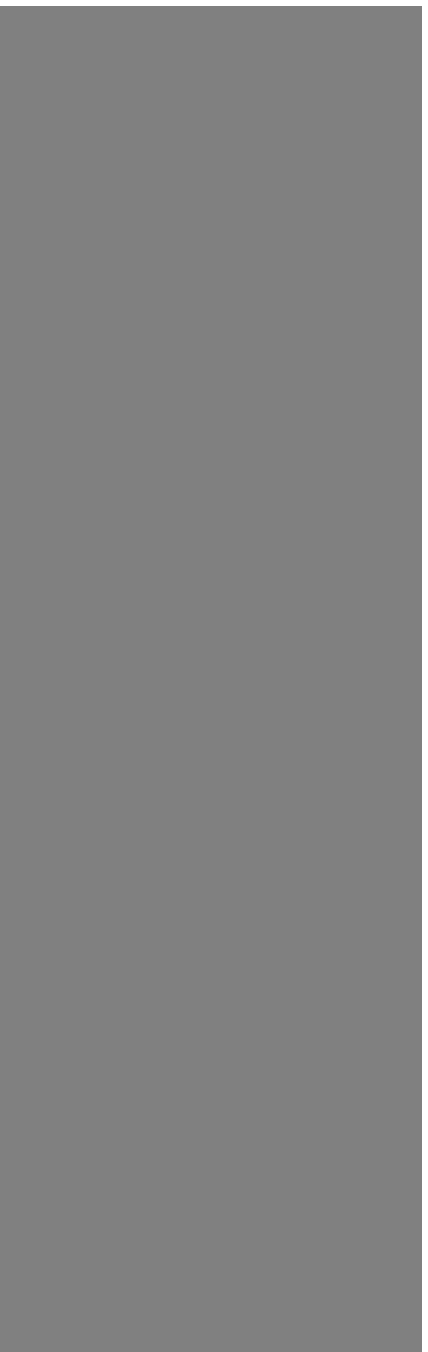
Less data for a selection of high-latitude stations in data files starting from sp4data326

Jason-1 in safe hold mode. No data from 2005/09/20 to 2005/09/28

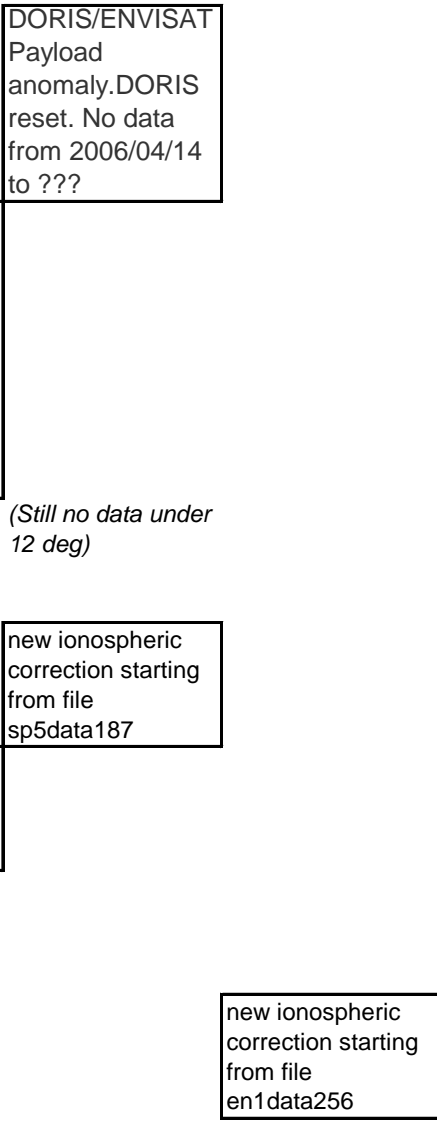
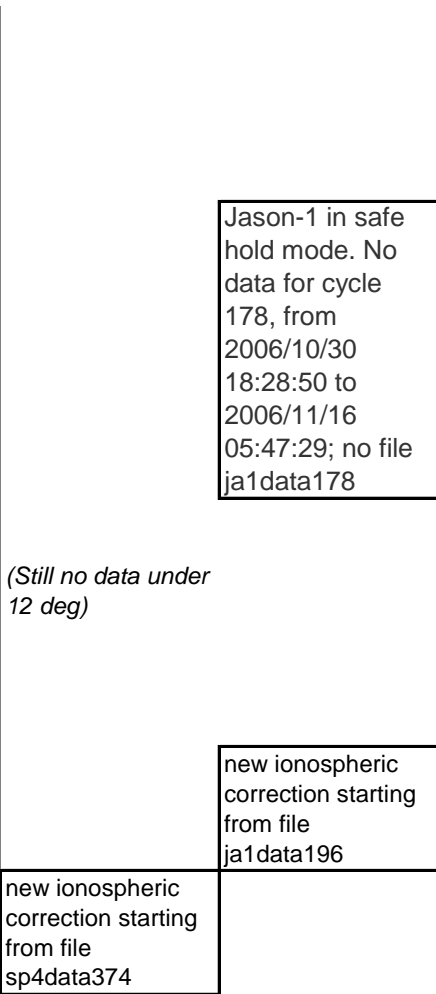
POE GDRB. This new configuration is set up on 2005/09/27. Wrt to the previous one, an additional bias of +6.0 microseconds is applied to the onboard Doppler time transits of chain1 from 2005/09/27

No more flagged data between 8 and 12 deg, only data over 12 deg in data files starting from file sp5data133

More validated data from 8 deg in data files starting from en1data171 (cycle 41) / A bias of 6.5 microseconds is added to the onboard Doppler transit time values in order to reduce the along-track bias between DORIS and SLR.



2006/04/14	
2006/10/30	
2006/11/12	
2006/11/14	(Still no data under 12 deg)
2007/05/01	
2007/05/02	
2007/05/03	new ionospheric correction starting from file sp2data623
2007/05/08	
2007/08/22	No data under 15 deg. Less data in data files starting from sp2data???
2007/08/31	Series of DORIS instrument failures from 2007/08/31



2007/10/06	No data under 15 deg. Still less data for a selection of high-altitude stations in data files starting from sp2data???
2007/11/13	WAITING MODE
2007/12/04	DORIS software failure. No data from 2007/12/04 to 2007/12/19
2007/12/19	New DORIS software upload
2008/01/15	
2008/01/17	
2008/01/22	
2008/04/22	

an angle of +25° wrt the origin position was applied on the orientation of the array on its rotation axis

an 2nd additional angle of +10° was applied

a 3rd additional angle of +5° was applied

POE GDRC. This new configuration is applied to Envisat POE processing from en1data306 (2008/04/22-2008/04/28)

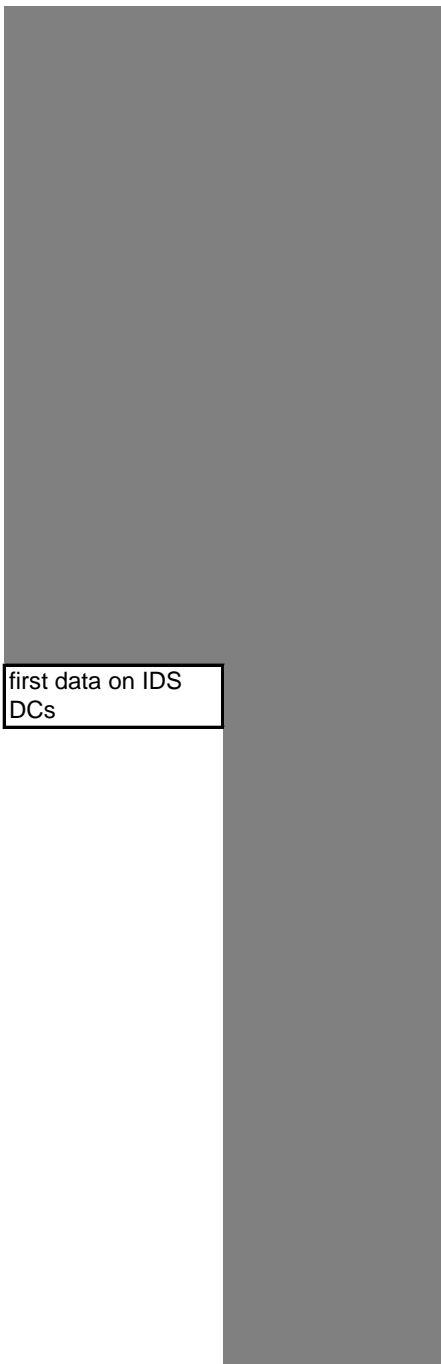
2008/07/10	
2008/07/12	
2008/08/07	
2008/10/24	DORIS software failure. No data from 2008/10/24 to 2008/11/06.
2008/11/05	New DORIS software upload
2009/01/26	



POE GDRC. This new configuration is set up on 2008/07/10 and all the data reprocessed. Additional biases are applied to the onboard Doppler time transits: +6.0 microseconds for chain 2 (i.e. before 2004/06/28); +6.0 microseconds before 2008/07/10 and +8.8 microseconds from 2008/07/10 for chain 1

Jason-1 in safe hold mode. No data for cycle 243, from 2008/08/07 11:40:00 to 2008/08/20 10:46:50; no file ja1data243

Orbit change: no data for cycles 260 and 261; no file ja1data260, ja1data261



first data on IDS DCs

2009/04/05	
2009/07/14	last data on IDS DCs
2009/07/29	DORIS switch off.

2009/09/15

2009/11/26

2009/12/08

2010/03/10

Jason-1 in safe hold mode from 2009/09/15 to 2009/09/25. Cycles 283 and 284 impacted

Orbit change: first series of maneuvers

RINEX files: correction of the bias error on the receiver clock offset of 51.83 microseconds in the [TAI - OBT] field, starting from file ja2rx09095. All previous files reprocessed and submitted with version number 002.

RINEX files: error detected in Time Reference Station data. Not corrected ?

DORIS1B files: correction of the ionospheric correction field, starting from file ja2data058.001.Z. All previous files corrected and resubmitted with version number 002

2010/05/11
2010/05/30
2010/07/20
2010/09/22
2010/10/22
2011/05/17

1998 data corrected of an error in phase center position and resubmitted with version number 002 (from sp4data004.002 to sp4data033.002)

Hydrazine depletion maneuvers from 2010/07/20 to 2010/08/04. Possible impact on cycle 315 and 316

RINEX files: correction of the phase center position, starting from file ja2rx10159. Previous files not corrected.

first data on IDS DCs

Orbit change and change in cycle/arc number and length; no file en1data437, en1data438, en1data439

DORIS 1B files: **complete redelivery of Jason-2 data files**; a new version is available for files from ja2data001 to ja2data102

DORIS 1B files: **complete redelivery of Cryosat-2 data files**; a new version is available for files from cs2data008 to cs2data054