

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

2002/06/11
2002/06/13
2002/09/01
2002/11/25
2003/09/17
2003/10/07
2003/11/25
2004/06/14
2004/06/15

Software uploads



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

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

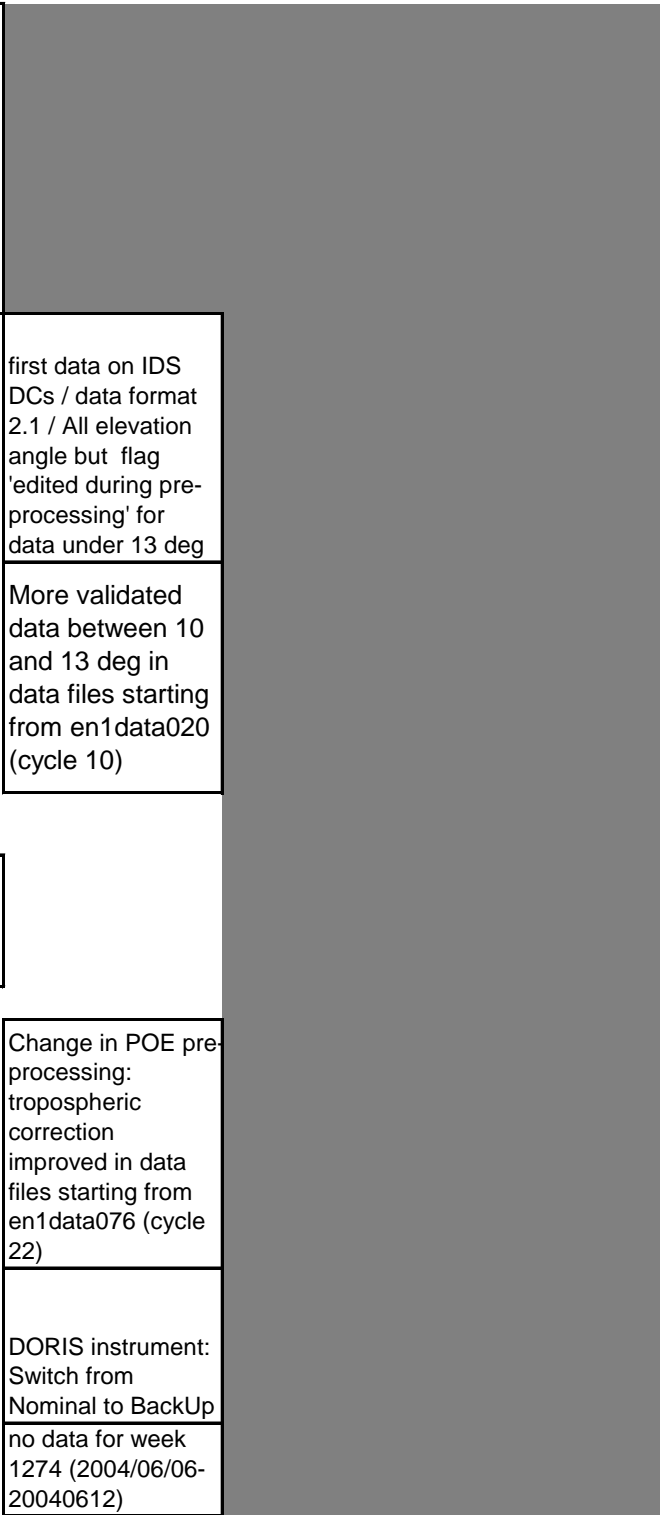
New DORIS
software upload

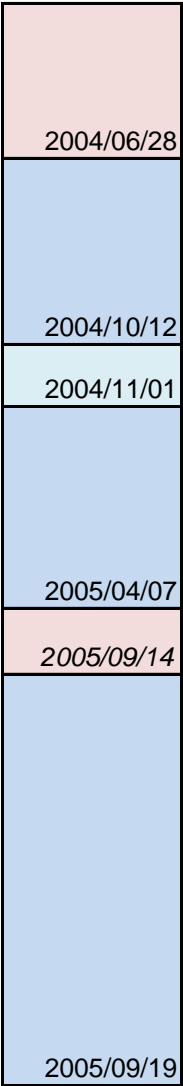
Less flagged data
in data files
starting from
sp5data053

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

DORIS instrument:
Switch from
Nominal to BackUp

no data for week
1274 (2004/06/06-
20040612)





last data on IDS
DCs

DORIS instrument:
Switch from
BackUp to Nominal

*(Still no data
under 12 deg)*

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

2006/11/12

2006/11/14

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

(Still no data under 12 deg)

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

(Still no data under 12 deg)

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

(Still no data under 12 deg)

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.

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???
2007/10/06	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
2007/12/19	New DORIS software upload
2008/01/15	
2008/01/17	
2008/01/22	

new ionospheric correction starting from file sp4data374

new ionospheric correction starting from file ja1data196

new ionospheric correction starting from file sp5data187

new ionospheric correction starting from file en1data256

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

2008/07/10	
2008/07/12	
2008/11/05	New DORIS software upload
2009/01/26	
2009/04/05	
2009/07/14	last data on IDS DCs
2009/07/29	DORIS switch off.

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

Orbit change: no data for cycles 260 and 261

first data on IDS DCs

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.

2009/09/15

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

2009/11/26

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

2009/12/08

Orbit change: first series of maneuvers

2010/03/10

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

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

2010/05/30

first data on IDS DCs

2010/07/20

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

2010/09/22

2010/10/22

2011/01/26



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

Orbit change and change in cycle/arc number and length

Cryosat-2 in safe mode since 2011/01/26 10:30 UTC