

**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	Spot2	Topex	Spot3	Spot4	Jason1	Spot5	Envisat	Jason2	Cryosat2	Hy-2a
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 / <b>erroneous values of the center of mass correction until Jan. 09 1999 (cycles 1- 31, except cycle 29 Dec. 15-22 1998)</b>						
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						first data on IDS DCs / data format 2.1 / Minimum elevation 8 deg but flag ' <i>edited during pre-processing</i> ' for data between 8 and 12 deg				
2002/06/13							first data on IDS DCs / data format 2.1 / All elevation angle but flag ' <i>edited during pre-processing</i> ' for data under 13 deg			

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

New DORIS software upload

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

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

Less flaged data in data files starting from sp5data053

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)

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

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

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

2004/06/06
2004/06/14
2004/06/28
2004/10/12
2004/11/01
2005/04/07
#####
2005/09/19
2005/09/20

last data on IDS DCs

DORIS instrument:  
Switch from  
BackUp to Nominal

*(Still no data  
under 12 deg)*

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

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
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.

2005/09/27	
2005/11/09	
2006/01/18	Less data for a selection of high-latitude stations in data files starting from sp2data574
2006/04/14	
2006/10/30	
#####	
#####	(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???

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

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

DORIS/ENVISAT Payload anomaly. DORIS reset. No data from 2006/04/14 to ???

Jason-1 in safe hold mode. No data for cycle 178, from 2006/10/30 18:28:50 to 2006/11/16 05:47:29; no file ja1data178

(Still no data under 12 deg)

(Still no data under 12 deg)

new ionospheric correction starting from file sp5data187

new ionospheric correction starting from file ja1data196

new ionospheric correction starting from file sp4data374

new ionospheric correction starting from file en1data256

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	
2008/07/10	
2008/07/12	

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 en1 data306 (2008/04/22-2008/04/28)

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

first data on IDS DCs

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	
2009/04/05	
2009/07/14	last data on IDS DCs
2009/07/29	DORIS switch off.
2009/09/15	
#####	
2009/12/08	
2010/03/10	

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

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

2011/09/28

2011/10/01

2012/02/16

2012/03/03

2012/04/08

2012/05/07

2012/05/16

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

first data on IDS  
DCs

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

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;  
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

first data on  
IDS DCs

Jason-1 depletion  
manoeuvres

Jason-1 in safe  
hold mode from  
2012/02/16 to  
2012/02/29. Cycle  
373 impacted

Jason-1 in safe  
hold mode from  
2012/03/03 to  
2012/05/07. Cycles  
374 impacted

Jason-1 orbit  
change

End of mission

New delivery of the  
ENVISAT 2.2  
dataset