

UKMO Model

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Detailed model description

Page containing details for all model configurations available in S2S since the project start => [UKMO model description](#)

Overview of the model changes

Model version	Implement. date in S2S	Time range	Resolution	Ens. Size	Frequency	Re-forecasts	Rfc period	Rfc frequency	Rfc size	Ocean resolution	Active Sea Ice	Remarks
GloSea6	02/02/2021	d 0-60	N216 L85	4	daily	on the fly	1993-2016	4/month	7	0.25° L75	yes	
GloSea5-GC2-LI	03/04/2019	d 0-60	N216 L85 0.83° x 0.56° (approx 60km in mid-latitudes)	4	daily	on the fly	1993-2016	4/month (always on the 1st, 9th, 17th and 25th)	7	0.25° L75	yes	reforecasts changed to the new model version since 09 /04/2019
GloSea5	01/09/2018	d 0-60	N216 L85 0.83° x 0.56° (approx 60km in mid-latitudes)	4	daily	on the fly	1993-2016	4/month (always on the 1st, 9th, 17th and 25th)	7	0.25° L75	yes	
GloSea5	25/03/2017	d 0-60	N216 L85 0.83° x 0.56° (approx 60km in mid-latitudes)	4	daily	on the fly	1993-2015	4/month (always on the 1st, 9th, 17th and 25th)	7	0.25° L75	yes	
GloSea5	17/04/2016	d 0-60	N216 L85 0.83° x 0.56° (approx 60km in mid-latitudes)	4	daily	on the fly	1993-2015	4/month (always on the 1st, 9th, 17th and 25th)	3	0.25° L75	yes	
GloSea5	01/01/2016	d 0-60	N216 L85 0.83° x 0.56° (approx 60km in mid-latitudes)	4	daily	on the fly	1996-2009	4/month (always on the 1st, 9th, 17th and 25th)	3	0.25° L75	yes	on the fly reforecasts added since 01/01/2016
GloSea5	01/12/2015	d 0-60	N216 L85 0.83° x 0.56° (approx 60km in mid-latitudes)	4	daily					0.25° L75	yes	

Description of the main changes

GloSea6

- 02-02-2021: GloSea6 forecasts and hindcasts replace the GloSea5 system

GloSea5

Changes:

- 03-04-2019: Change of the model version to GloSea5-GC2-LI (applies also to reforecasts from the run on 09-04-2019)
- 01-09-2018: The reforecasts have been extended with 1 more hindcast year 2016
- 25-03-2017: The number of reforecasts has been increased to 7
- 17-04-2016: The reforecasts have been extended with 9 more hindcast years (1993-1995, 2010 to 2015)