

Table A-3: The navigation, L2R and L2W parameters, atmospheric, ancillary products and box-averaging information as provided in the MERIS match-up dataset, averaged over the 5x5 pixels around the match-up *in situ* locations.

Navigation	Description	Units	L2R, L2W	Description	Units
Fid	Match-up name	-	RLw_xxx ^(*)	RLw at λ (nm)	-
Latitude, Longitude	Geographical coordinates	degrees	b_tsm ^(*) a_tot ^(*)	Scattering coefficient at 443 nm, Total absorption coefficient (443nm)	m ⁻¹ m ⁻¹
Date, Time					
sun_view_zenith	Sun, view zenith angle	degrees	Atmosphere	Description	Units
sun_view_azimuth	Sun, view azimuth angle	degrees	tau_nnn ^(*) ang_443_865 ^(*)	Aerosol optical thickness at nnn (nm) Aerosol Angström coefficient between 443 and 865 nm	- -
Box-averaging information					
information	Description	Units	Ancillary	Description	Units
N(<i>var</i> ⁽¹⁾)	Number of pixels within the 5x5 box where valid <i>var</i> was retrieved	-	zonal_wind merid_wind glint_ratio	ECMWF ⁽³⁾ zonal wind ECMWF meridional wind Glint ratio	m s ⁻¹ m s ⁻¹ -
std(<i>var</i> ⁽¹⁾)	Standard deviation of <i>var</i> over the N valid pixels in the 5x5 match-up box	<i>var</i> unit	atm_press ozone rel_hum	ECMWF atmospheric pressure at mean sea level ECMWF ozone concentration ECMWF relative humidity at 850 hPa	hPa DU %

(*) Averaged over N valid pixels in the 5x5 match-up box

⁽¹⁾ The variable *var* refers to one of the MERIS L2 products listed under L2R, L2W, Atmosphere and Ancillary datatypes