#	output variable name	long_name	standard_name	units	cell_methods: time:	Tier 2 1hr	in	av	day	in	av	Tier 1 day	in	sa	Core mon	in	sa	sem	in	posi-tive	Variable comment
1	thetao	Sea Water Potential Temperature	sea_water_potential_temperature	K	point										x	i					3D
2	so	Sea Water Salinity	sea_water_salinity	psu	point										x	i					3D
3	uo	Sea Water X Velocity	sea_water_x_velocity	m/s	point										x	i				east	3D
4	vo	Sea Water Y Velocity	sea_water_y_velocity	m/s	point										x	i				north	3D
5	wo	Sea Water Upward Velocity	sea_water_z_velocity	m/s	point										x	i				up	3D
6	zos	Sea Surface Height Above Geoid	sea_surface_height_above_geoid	m	mean							x			x						2D
7	tos	Sea Surface Temperature	sea_surface_temperature	K	point	x	i					x	i		x	i					2D
8	sos	Sea Surface Salinity	sea_surface_salinity	psu	point							x	i		x	i					2D
9	mlotst	Ocean Mixed Layer Thickness Defined by Sigma T	ocean_mixed_layer_thickness_defined_by_sigma_t	m	mean							x			x						2D: for Med-CORDEX: Use a criteria of 0.011 or 0.01 kg/m³ with a 10m reference
10	hfds	Downward Heat Flux at the Sea Water Surface	surface_downward_heat_flux_in_sea_water	W/m²	mean							x			x					down	2D: This is the net flux of heat entering the liquid water column through its upper surface (excluding any
11	hfcorr	Heat Flux Correction	heat_flux_correction	W/m²	mean							x			x					down	2D: if this does not vary from one year to the next, report only a single year. Positive indicates correcti
12	rsntds	Net Downward Shortwave Radiation at Sea Water Surface	net_downward_shortwave_flux_at_sea_water_surface	W/m²	mean							x			x					down	2D : This is the flux into the surface of liquid sea water only. This excludes shortwave flux absorbed by sea ice, but include any light that passes through the ice and is absorbed by the ocean
13	tauuo	Surface Downward X Stress	surface_downward_x_stress	N/m²	mean							x			x					east	2D
14	tauvo	Surface Downward Y Stress	surface_downward_y_stress	N/m²	mean							x			x					north	2D
15	wfo	Water Flux into Sea Water	water_flux_into_sea_water	kg/m²/s	mean							x			x					down	2D
16	wfonorunoffnocorr	Water Flux into Sea Water Without Flux Correction Without Runoff Flux	water_flux_into_sea_water_without_runoff_without_flux_correction	kg/m²/s	mean							x			x					down	2D
17	wfonocorr	Water Flux into Sea Water Without Flux Correction	water_flux_into_sea_water_without_flux_correction	kg/m²/s	mean							x			x					down	2D
18	tsa	to be invented	surface_temperature_from_atmospheric_model	°C	point							x	i		x	i					2D
19	wfoa	to be invented	surface_average_water_flux_into_sea_water	Kg/m²/s	mean							x			x					down	1D
20	hfloa	to be invented	surface_average_surface_heat_flux	W/m²	mean							x			x					down	1D
21	thetaoa	to be invented	volume_average_sea_water_potential_temperature	K	point										x	i					1D
22	soa	to be invented	volume_average_sea_water_salinity	psu	point										x	i					1D
23	tosa	to be invented	surface_average_sea_surface_temperature	K	point							x	i		x	i					1D
24	sosa	to be invented	surface_average_sea_surface_salinity	psu	point							x	i		x	i					1D
25	zosa	to be invented	surface_average_sea_surface_height	m	mean							x			x						1D
26	zosw	to be invented	surface_average_sea_surface_height_at_the_western_boundary	m	mean							x			x						1D, MED only
27	gibfx	to be invented	gibraltar_net_water_flux	m3/s	mean							x			x					east	1D, MED only
28	gibfxin	to be invented	gibraltar_net_water_flux_in	m3/s	mean							x			x					east	1D, MED only
29	gibhf	to be invented	gibraltar_heat_flux	W/m²	mean							x			x					east	1D, MED only
30	gibhfin	to be invented	gibraltar_heat_flux_in	W/m²	mean							x			x					east	1D, MED only
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			15 ... **35** ... **57** ... **42** ... **42**
in = instantaneous			
sa = sample hours	required		**15** ... **31** ... **52** ... **42** ... **42**
av = averaged	if available		- ... 4 ... 5 ... - ... -

T2:   **3-hourly output (3hr)**   05/04/11

#	output variable name	long_name	standard_name	units	cell_methods: time:	Tier 2			posi- tive	Variable comment:
						3hr	in	av		
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						15				

in = instantaneous			
sa = sample hours	**required**	**15**	
av = averaged	**if available**	**-**	

#	output variable name	long_name	standard_name	units	cell_methods: time:	Tier 1			posi-tive	Variable comment: from T1: Daily averages output table of archive design doc
						day	in	sa		
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57

in = instantaneous

sa = sample hours   **required**   **52**

av = averaged   *if available*   5

#	output variable name	long_name	standard_name	units	cell_methods: time:	Core			posi-tive	Variable comment: from T1: Daily averages output table of archive design doc
						mon	in	sa		
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						42				

in = instantaneous

sa = sample hours   **required**   **42**

av = averaged   **if available**   **-**