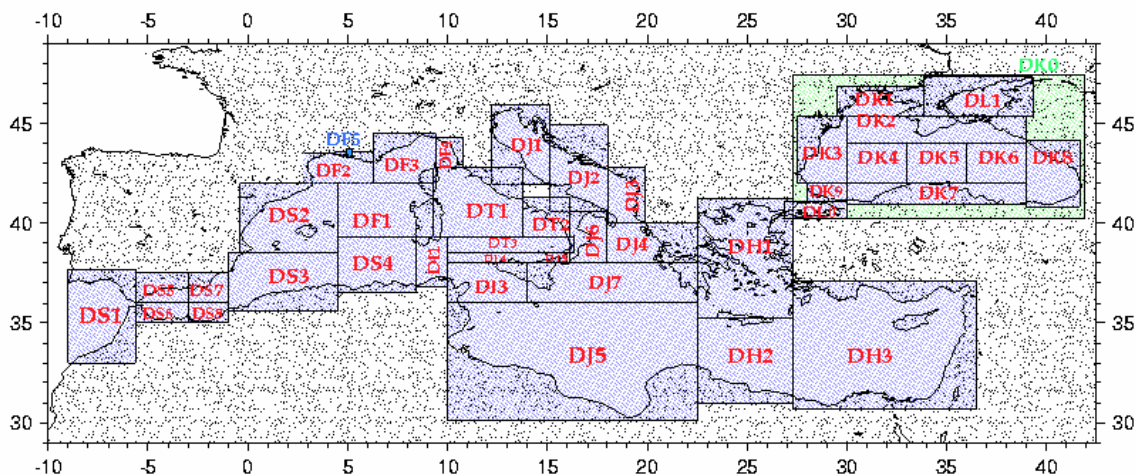


BROAD RANGE CHECK
REGIONAL/DEPTH PARAMETERIZATION
(MEDAR/MEDATLAS Protocol, 2000)

<http://www.ifremer.fr/medar>



Core MEDATLAS Parameters (GF3 codes)
(P091) MEDATLAS Parameter Usage Vocabulary

CODE	NAME	UNIT
DOX1	DISSOLVED OXYGEN	ml/l
DOXY	DISSOLVED OXYGEN	millimole/m3
TPHS	TOTAL PHOSPHORUS (P) CONTENT	millimole/m3
NTOT	TOTAL NITROGEN (N) CONTENT	millimole/m3
HSUL	HYDROGEN SULPHIDE (H2S)	millimole/m3
TEMP	SEA TEMPERATURE	Celsius degree
PRES	SEA PRESSURE sea surface=0	decibar=10000 pascals
PSAL	PRACTICAL SALINITY	P.S.U.
NTRA	NITRATE (NO3-N) CONTENT	millimole/m3
NTRI	NITRITE (NO2-N) CONTENT	millimole/m3
AMON	AMMONIUM (NH4-N) CONTENT	millimole/m3
PHOS	PHOSPHATE (PO4-P) CONTENT	millimole/m3
SLCA	SILICATE (SIO4-SI) CONTENT	millimole/m3
CPHL	CHLOROPHYLL-A TOTAL	milligram/m3
PHPH	PH	pH unit
DOX2	DISSOLVED OXYGEN	micromole/kg
NTRZ	NITRATE + NITRITE CONTENT	millimole/m3
ALKY	ALKALINITY	millimole/m3

REGION NAME: DK0

CODE	REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DK0	BLACK SEA AND SEA OF ASOV	N40 12.00	N47 24.00	E027 18.00	E041 54.00	2313	1

Global Limits of Parameters for DK0

PARAMETER CODE	MIN PRES	MAX PRES	MIN PARAMETER	MAX PARAMETER
ALKY	0	2313	1000	4600
AMON	0	2313	0	100
DOXY	0	2313	0	600
DOX1	0	2313	0	13,3
NTRA	0	2313	0	33
NTRI	0	2313	0	15
PHOS	0	2313	0	13
PHPH	0	2313	7	9,1
PSAL	0	2313	0	24
SLCA	0	2313	0	330
TEMP	0	2313	-1	29

SUB-REGION CODE : DK1

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DK1	BLACK SEA NORTH WEST SHELF	N45 20.00	N46 50.00	E029 30.00	E033 50.00	1000	2

Regional Limits of Parameters for DK1

PARAMETER CODE	MIN PRES	MAX PRES	MIN PARAMETER	MAX PARAMETER
ALKY	0	1000	1200	4300
AMON	0	1000	0	15
DENS	0	2313	10	30
DOXY	0	1000	0	600
DOX1	0	1000	0	13,3
NTRA	0	1000	0	33
NTRI	0	1000	0	6
PHOS	0	1000	0	6
PHPH	0	1000	7,4	9,1
PSAL	0	1000	0	21
SLCA	0	1000	0	160
TEMP	0	1000	-1	28

SUB-REGION CODE : DK2

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DK2	BLACK SEA NORTH SLOPE	N44 00.00	N45 20.00	E030 00.00	E039 00.00	1500	2

Regional Limits of Parameters for DK2

PARAMETER CODE	MIN PRES	MAX PRES	MIN PARAMETER	MAX PARAMETER
ALKY	0	1500	1400	4500
AMON	0	1500	0	70
DOXY	0	1500	0	570
DOX1	0	1500	0	12,7
NTRA	0	1500	0	24
NTRI	0	1500	0	3
PHOS	0	1500	0	10
PHPH	0	1500	7,2	8,9
PSAL	0	1500	4	23
SLCA	0	1500	0	200
TEMP	0	1500	2	28

SUB-REGION CODE : DK3

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DK3	BLACK SEA WEST SLOPE	N42 00.00	N45 20.00	E027 30.00	E030 00.00	1500	2

Regional Limits of Parameters for DK3

PARAMETER CODE	MIN PRES	MAX PRES	MIN PARAMETER	MAX PARAMETER
ALKY	0	1500	2800	4200
AMON	0	1500	0	96
DOXY	0	1500	0	580
DOX1	0	1500	0	12,8
NTRA	0	1500	0	20
NTRI	0	1500	0	1,5
PHOS	0	1500	0	10
PHPH	0	1500	7,5	8,9
PSAL	0	1500	7	23
SLCA	0	1500	0	310
TEMP	0	1500	3	27

SUB-REGION CODE : DK4

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DK4	BLACK SEA WEST ABYSSAL	N42 00.00	N44 00.00	E030 00.00	E033 00.00	2313	2

Regional Limits of Parameters for DK4

PARAMETER CODE	MIN PRES	MAX PRES	MIN PARAMETER	MAX PARAMETER
ALKY	0	2313	2900	4500
AMON	0	2313	0	98
DOXY	0	2313	0	450
DOX1	0	2313	0	10
NTRA	0	2313	0	15
NTRI	0	2313	0	,8
PHOS	0	2313	0	10
PHPH	0	2313	7,4	8,9
PSAL	0	2313	12	24
SLCA	0	2313	0	330
TEMP	0	2313	5	27

SUB-REGION CODE : DK5

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DK5	BLACK SEA CENTRAL ABYSSAL	N42 00.00	N44 00.00	E033 00.00	E036 00.00	2313	2

Regional Limits of Parameters for DK5

PARAMETER CODE	MIN PRES	MAX PRES	MIN PARAMETER	MAX PARAMETER
ALKY	0	2313	2800	4500
AMON	0	2313	0	100
DOXY	0	2313	0	380
DOX1	0	2313	0	8,4
NTRA	0	2313	0	13
NTRI	0	2313	0	,8
PHOS	0	2313	0	11
PHPH	0	2313	7,5	9
PSAL	0	2313	16	23
SLCA	0	2313	0	330
TEMP	0	2313	5	27

SUB-REGION CODE : DK6

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DK6	BLACK SEA EAST ABYSSAL	N42 00.00	N44 00.00	E036 00.00	E039 00.00	2313	2

Regional Limits of Parameters for DK6

PARAMETER CODE	MIN PRES	MAX PRES	MIN PARAMETER	MAX PARAMETER
ALKY	0	2313	2700	4600
AMON	0	2313	0	105
DOXY	0	2313	0	480
DOX1	0	2313	0	10,6
NTRA	0	2313	0	13
NTRI	0	2313	0	1
PHOS	0	2313	0	12
PHPH	0	2313	7,5	8,7
PSAL	0	2313	15	23
SLCA	0	2313	0	320
TEMP	0	2313	6	28

SUB-REGION CODE : DK7

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DK7	BLACK SEA SOUTH SLOPE	N40 55.00	N42 00.00	E030 00.00	E039 00.00	1500	2

Regional Limits of Parameters for DK7

PARAMETER CODE	MIN PRES	MAX PRES	MIN PARAMETER	MAX PARAMETER
ALKY	0	1500	2700	4200
AMON	0	1500	0	94
DOXY	0	1500	0	400
DOX1	0	1500	0	8,8
NTRA	0	1500	0	10
NTRI	0	1500	0	,5
PHOS	0	1500	0	10
PHPH	0	1500	7,6	8,7
PSAL	0	1500	13	24
SLCA	0	1500	0	310
TEMP	0	1500	6	28

SUB-REGION CODE : DK8

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DK8	BLACK SEA SOUTH-EAST SLOPE	N40 50.00	N44 10.00	E039 00.00	E041 40.00	1500	2

Regional Limits of Parameters for DK8

PARAMETER CODE	MIN PRES	MAX PRES	MIN PARAMETER	MAX PARAMETER
ALKY	0	1500	1900	4500
AMON	0	1500	0	100
DOXY	0	1500	0	520
DOX1	0	1500	0	11,5
NTRA	0	1500	0	21
NTRI	0	1500	0	15
PHOS	0	1500	0	13
PHPH	0	1500	7,5	8,9
PSAL	0	1500	4	23
SLCA	0	1500	0	310
TEMP	0	1500	6	29

SUB-REGION CODE : DK9

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DK9	BLACK SEA ADJACENT TO BOSPHORUS	N41 05.00	N42 00.00	E028 00.00	E030 00.00	1500	2

Regional Limits of Parameters for DK9

No Regional Limits defined for the parameter

Global limits are taken for QC of the parameters

SUB-REGION CODE : DL0

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DL0	MARMARA SEA	N40 12.00	N41 05.00	E027 18.00	E030 00.00	1000	2

Regional Limits of Parameters for DL0

No Regional Limits defined for the parameter

Global limits are taken for QC of the parameters

SUB-REGION CODE : DL1

CODE	SUB-REGION NAME	LAT. MIN.	LAT. MAX	LON. MIN.	LON. MAX	DEPTH MAX.	HIER.
DL1	SEA OF AZOV	N45 20.00	N47 20.00	E033 50.00	E039 20.00	200	2

Regional Limits of Parameters for DL1

No Regional Limits defined for the parameter

Global limits are taken for QC of the parameters