

ATTACHMENT

CREX TEMPLATE EXAMPLES

PROPOSED BLOEMHOF FLOOD MONITORING CREX CODE (HYDROLOGY)

Indicator section and data description section

CREX++

T000101 A000 D05004++

Station identification

Sequence: D 01 030 consisting of

B 01 018	WMO station identifier
B 02 001	Type of station
D 01 011	Date
D 01 024	Latitude and longitude and height

Hourly environmental data

Sequence: D 05 002 consisting of

D 01 012	Time (hour, minute)
B 12 001	Air temperature
B 13 003	Relative humidity
B 14 051	Direct solar radiation during the last hour
B 13 060	Total accumulated precipitation (modulo 10 000 kg m ⁻²)
B 13 072	Downstream water level
B 13 080	pH
B 13 081	Conductivity
B 13 082	Water temperature
B 13 083	Dissolved oxygen
B 13 084	Turbidity

Multiple measurement array definition

Sequence: D 05 003 consisting of

D 01 012	Time of first measurement (hour, minute) minus increment
B 04 065	Short time increment – time interval between measurements in the array (12 minutes)
R 01 000	Delayed replication of one next descriptor (D 05 001) – Number of measurements in the array (5)
D 05 001	Single measurement

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Single measurement

Sequence: D 05 001 consisting of

B 11 001	Wind direction
B 11 002	Wind speed
B 13 060	Total accumulated precipitation (modulo 10 000 kg m ⁻²)
B 13 071	Upstream water level

End of message

...++

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Thus the format of the message D 05 004 for the BLOEMHOF Flood Monitoring System will be:

Indicator section and data description section then:

D 01 030	Identification
D 05 002	Hourly instantaneous values
D 05 003	Array definition
n x D 05 001	Multiple measurements
++ 7777	End of message

Example

A CREX message transmitted at 1046 UTC would be the following:

```
CREX++
T000101 A000 D05004++
12345 2 1998 02 03 -2600 02800 01570
10 00 285 065 0326 03842 0683 075 2600 2805 ///// 0156
09 00 12 0005
290 0102 00012 1226
250 0250 00025 1230
245 0175 00028 1235
230 0105 00004 1241
220 0025 00001 1249++
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```

Note that the + at end of lines are not needed, only at the end of the whole report (in that case after 1249 – last line) and only if a whole message was to be repeated one or more times. The whole message from 12345 to 1249 is called a “subset” (See Regulation 95.4.1). The space before –2 600 is required for transmission purposes, but optional for display (to keep alignment). Fifth line, last group = delayed replication – 4 digits only = 0005.

Line 1: Message identification

Line 3:

Station number: 12345
Station type: 2
Date of main measurement: 3 February 1998
Position of station: 26 degrees South, 28 degrees East, 1 570 m high

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Line 4:

Time of hourly measurement: 1000 UTC
Air temperature at 1000 UTC: 28.5°C
Relative humidity at 1000 UTC: 65%
Direct solar radiation integrated over the period 0900 to 1000 UTC: 326 000 J m⁻²
Total accumulated precipitation at 1000 UTC: 0 384.2 kg m⁻²
Downstream water level at 1000 UTC: 6.83 m
Water pH: 7.5
Conductivity at 1000 UTC: 2.6 Siemens m⁻¹ = 26 mS cm⁻¹
Water temperature at 1000 UTC: 280.5 K
Dissolved oxygen at 1000 UTC: Not available
Turbidity at 1000 UTC: 156 Lumen

Line 5: Measurement array definition

First measurement minus 12 minutes at 0900 UTC
Interval between measurements is 12 minutes
Number of measurements is 5

Line 6: First set of measurements at 0912 UTC

Instantaneous wind direction at 0912 UTC: 290
Instantaneous wind speed at 0912 UTC: 10.2 m s⁻¹
Total precipitation between 0900 and 0912 UTC: 1.2 kg m⁻²
Upstream water level at 0912 UTC: 12.26 m

Line 7: Second set of measurements at 0924 UTC

Instantaneous wind direction at 0924 UTC: 250
Instantaneous wind speed at 0924 UTC: 25.0 m s⁻¹
Total precipitation between 0912 and 0924 UTC: 2.5 kg m⁻²
Upstream water level at 0924 UTC: 12.30 m

Line 8: Third set of measurements at 0936 UTC

Instantaneous wind direction at 0936 UTC: 245
Instantaneous wind speed at 0936 UTC: 17.5 m s⁻¹
Total precipitation between 0912 and 0936 UTC: 2.8 kg m⁻²
Upstream water level at 0936 UTC: 12.35 m

Line 9: Fourth set of measurements at 0948 UTC

Instantaneous wind direction at 0948 UTC: 230
Instantaneous wind speed at 0948 UTC: 10.5 m s⁻¹
Total precipitation between 0912 and 0948 UTC: 0.4 kg m⁻²
Upstream water level at 0948 UTC: 12.41 m

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Line 10: Fifth set of measurements at 1000 UTC

Instantaneous wind direction at 1000 UTC: 220

Instantaneous wind speed at 1000 UTC: 2.5 m s^{-1}

Total precipitation between 0912 and 1000 UTC: 0.1 kg m^{-2}

Upstream water level at 1000 UTC: 12.49 m

Line 11: End of message identifier

TIDE GAUGE DATA EXAMPLE

CREX++

T000101 A001 D06025++

RI010 1998 01 23 15 00 2761 00 00 30 -30

01407 1225 01384 1217 01382 1221 01395 1220 01473 1262 01502 1227+

CT010 1998 01 23 15 00 2781 01 00 30 -30

02024 1757 02043 1717 02124 1728 02177 1716 ///// //// 02259 1670++

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Interpretation of the example:

Line	Group	Meaning
1	CREX	Indicator of a CREX message
2	T000101	CREX Master Table Number 00, Edition 01, Version 01
	A0001	Data type 001: Surface data – sea
	D 06 025	Tide elevation series
3	RI010	Tide station RI010
	1998	Year: 1998
	01	Month: January
	23	Day: 23
	15	Hour: 1500 UTC
	00	Minute: 00
	2761	Sea/water temperature: 276.1 K
	00	Tide station automated water level check: Good data
	00	Tide station manual water level check: Operational
	30	Time increment: Time is now hour 1500, minute 30
	-30	Short time increment: Increment is applied prior to each replication of two descriptors indicated by the group R 02 006, thus the time is now hour 1 500, minute 00
4	01407	Tide elevation of 1 407 mm at hour 1500, minute 00
	1225	Meteorological residual tidal elevation of 1 225 mm at hour 1500, minute 00
	01384	Tide elevation of 1 384 mm at hour 1400, minute 30

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	1217	Meteorological residual tidal elevation of 1 217 mm at hour 1400, minute 30
	01382	Tide elevation of 1 382 mm at hour 1400, minute 00
	1221	Meteorological residual tidal elevation of 1 221 mm at hour 1400, minute 00
	01395	Tide elevation of 1 395 mm at hour 1300, minute 30
	1220	Meteorological residual tidal elevation of 1 220 mm at hour 1300, minute 30
	01473	Tide elevation of 1 473 mm at hour 1300, minute 30
	1262	Meteorological residual tidal elevation of 1 262 mm at hour 1300, minute 00
	01502	Tide elevation of 1 502 mm at hour 1200, minute 30
	1227	Meteorological residual tidal elevation of 1 227 mm at hour 1200, minute 30
	+	End of report for station RI010
5	CT010	Tide station CT010
	1998	Year: 1998
	01	Month: January
	23	Day: 23
	15	Hour: 1500 UTC
	00	Minute: 00
	2761	Sea/water temperature: 276.1 K
	00	Tide station automated water level check: Good data
	00	Tide station manual water level check: Operational
	30	Time increment: Time is now hour 1500, minute 30
	-30	Short time increment: Increment is applied prior to each replication of two descriptors indicated by the group R 02 006, thus the time is now hour 1500, minute 00
6	02024	Tide elevation of 2 024 mm at hour 1500, minute 00
	1715	Meteorological residual tidal elevation of 1 715 mm at hour 1500, minute 00
	02043	Tide elevation of 2 043 mm at hour 1400, minute 30
	1717	Meteorological residual tidal elevation of 1 717 mm at hour 1400, minute 30
	02124	Tide elevation of 2 124 mm at hour 1400, minute 00
	1728	Meteorological residual tidal elevation of 1 728 mm at hour 1400, minute 00
	02177	Tide elevation of 2 177 mm at hour 1300, minute 30
	1716	Meteorological residual tidal elevation of 1 716 mm at hour 1300, minute 30
	////	Tide elevation missing at hour 1300, minute 30
	////	Meteorological residual tidal elevation missing at hour 1300, minute 00
	02259	Tide elevation of 2 259 mm at hour 1200, minute 30
	1670	Meteorological residual tidal elevation of 1 670 mm at hour 1200, minute 30
	++	End of report for station CT010; also, end of Data section
7	7777	End of CREX message

TOTAL OZONE MEASUREMENT FROM A BREWER GROUND-BASED SPECTROPHOTOMETER OBTAINED FROM AVERAGED OBSERVATIONS

KULD40 OKOH 041643
CREX++
T0002071500 A008002 P00089001 U00 S001 Y20110504 H0748 D07042++
11 649 Hradec Kralove 5018 01583 00285 2011 05 04 07
48 08 0526 001 98 00 00022 04 0383 09 0012 11 157++
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CREX

T0002071500	CREX master table		00
	CREX edition number		02
	CREX table version number		07
	BUFR Master table version number used		15
	Version number of local table		00
A008002	Data category		008
	International data subcategory		002
P00089001	Originating centre (Common Code table C–11)		00089
	Originating sub-centre (Common Code table C–12)		001
U00	Update sequence number (00 for original and delayed messages; incremented for corrected messages)		00
S001	Number of subsets included in the report		001
Y20110504	Year		2011
	Month		05
	Day		04
H0748	Hour		07
	Minute		48
D07042	D01001		
	B01001	WMO block number	11
	B01002	WMO station number	649
	B01015	Station or site name ⁽¹⁾	Hradec
Kralove~~~~~			
	D01024		
	B05002	Latitude ^{(2) (3)}	50.18 deg N 5018
	B06002	Longitude ^{(2) (3)}	15.83 deg E 01583
	B07001	Height of station	00285
	D01011		
	B04001	Year (of ozone measurement)	2011
	B04002	Month (of ozone measurement)	05
	B04003	Day (of ozone measurement)	04
	D01012		
	B04004	Hour (of ozone measurement) ⁽⁴⁾	07
	B04005	Minute (of ozone measurement) ⁽⁴⁾	48
	B08021	Time significance = 8 = ensemble mean ⁽⁵⁾	08
	B04025	Time period (in minutes)	0526
	D01070		
	B02143	Ozone instrument type	001
	B02142	Ozone instrument serial number ⁽¹⁾	98^^

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B02144	Light source type for Brewer spectrophotometer ⁽⁶⁾	00
D07031		
B08022	Number of measurements	00022
B08023	First order statistic = 4 = mean value	04
B15001	Value (average) of ozone measurement	0383
B08023	First order statistic = 9 = best estimate of std deviation	09
B15001	Best estimate of std deviation of the ozone measurement	0012
B08023	First order statistic = 11 = harmonic mean	11
B15002	Harmonic mean of the air mass	157

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Notes:

- (1) Characters "^^^^^^" are used for visualization of the corresponding number of space characters.
- (2) Latitude and longitude shall be reported in degrees with precision in hundredths of a degree.
- (3) South latitude and west longitude shall be assigned negative values.
- (4) Hour and minute specify the time of the first measurement of the series.
- (5) "Ensemble mean" indicates that a number of distinct values corresponding to a set of time locations are averaged.
- (6) Ozone measurements of only one light source shall be selected, i.e. the best light source of the day.

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EXAMPLE OF AN OZONE SOUNDING COUPLED TO A BREWER SPECTROPHOTOMETER

Note: ^ means space in the definitions below

```

CREX++
T000101
A008
D 01 001      WMO block number      71
              WMO station            913
B 01 015      Station or site name    Churchill^~~~~~
D 01 024      Latitude                5875
              Longitude               -09400
              Elevation                00029
D 01 011      Year                    1998
              Month                    04
              Day                      29
D 01 012      Hours                   13
              Minutes                  46
B 08 021      Time significance = 8 = ensemble mean    08
B 04 025      Time period (minutes)    0550
D 01 070      Ozone instrument type    001
              Ozone instrument serial number (Brewer) 26^^
              Light source type for Brewer (direct sun) 00
B 08 022      Number of measurements    00010
B 08 023      First order statistics = 4 = mean value  04
B 15 001      Value of ozone measurement    0399
B 08 023      First order statistics = 9 = best estimate of standard deviation  09
B 15 001      Best estimate of standard deviation    0010
B 08 023      First order statistics = harmonic mean  11
B 15 002      Harmonic mean of the air mass    202
D 01 001      WMO block and station number    71
              913
B 01 015      Station or site name    Churchill^~~~~~
D 01 024      Latitude                5875
              Longitude               -09400
              Elevation                00029
B 08 021      18 = launch time follows    18
D 01 011      Year                    1998
              Month                    04
              Day                      29
D 01 012      Hours                   11
              Minutes                  22
B 02 011      Radiosonde type          061
B 02 143      Ozone instrument type    019
B 02 142      Ozone sonde serial number    ///
D 15 004      Ozone sounding correction factor    0893
D 15 005      Ozone p                  373

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R 04 000	Delayed replication factor = number of levels	0093
	The next four descriptors are repeated 93 times	
B 04 025	Time displacement since launch time (minutes)	See below
B 08 006	Ozone VSS	See below
B 07 004	Pressure	See below
B 15 003	Measured ozone partial pressure	See below
++		
7777	End of message	

KULA01 CWA0 051800

CREX++

T000101 A008 D09047++

71 913 CHURCHILL 5875 -09400 00029 1998 04 29 13 46
 08 0550 001 26 00 00010 04 0399 09 0010 11 202
 71 913 CHURCHILL 5875 -09400 00029 18 1998 04 29 11 22
 061 019 //// 0893 373 0093
 0000 400 10041 029 0000 200 10000 029 0000 002 09915 031
 0001 002 09735 036 0001 002 09678 038 0002 002 09273 038
 0003 002 09111 039 0004 200 08500 039 0009 200 07000 037
 0011 002 06450 037 0012 002 06279 036 0012 002 06159 031
 0014 002 05847 034 0016 002 05347 030 0016 002 05269 029
 0017 002 05100 040 0018 200 05000 034 0019 002 04821 030
 0023 200 04000 030 0027 002 03400 026 0029 002 03000 028
 0031 002 02857 029 0031 002 02818 024 0032 002 02743 017
 0034 200 02500 015 0036 002 02225 014 0038 002 02078 029
 0038 002 02049 036 0039 200 02000 066 0039 002 01992 066
 0039 002 01952 093 0040 002 01909 105 0040 002 01866 105
 0041 002 01800 115 0042 002 01765 103 0042 002 01741 100
 0043 002 01693 112 0043 002 01656 112 0044 002 01612 109
 0044 002 01590 092 0044 002 01580 066 0045 002 01559 052
 0045 002 01517 049 0046 002 01500 059 0046 002 01488 070
 0046 002 01469 098 0047 002 01440 107 0047 002 01391 107
 0048 002 01335 117 0049 002 01291 162 0050 002 01257 153
 0051 002 01206 155 0051 002 01190 141 0051 002 01182 141
 0052 002 01142 156 0053 002 01103 154 0054 002 01059 177
 0055 002 01005 170 0056 200 01000 178 0056 002 00978 197
 0057 002 00951 187 0058 002 00914 183 0058 002 00889 171
 0059 002 00866 182 0059 002 00855 195 0060 002 00837 198
 0061 002 00808 175 0061 002 00797 172 0064 200 00700 160
 0065 002 00671 157 0067 002 00630 142 0068 002 00592 153

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```

0068 002 00583 162 0070 002 00531 157 0072 002 00501 164
0072 200 00500 161 0073 002 00479 162 0073 002 00462 151
0075 002 00435 156 0076 002 00418 153 0078 002 00378 161
0081 002 00319 132 0082 002 00311 136 0083 200 00300 130
0086 002 00258 111 0091 200 00200 095 0097 002 00143 079
0099 002 00126 078 0103 200 00100 071 0110 200 00070 058
0115 002 00054 044 0116 200 00050 039 0120 002 00043 032++
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```

EXAMPLE OF AN OZONE SOUNDING NOT COUPLED TO A BREWER SPECTROPHOTOMETER

```

CREX++
T000101
A008
D 01 001      WMO station and block number      71
                                                    917
B 01 015      Station or site name              Eureka^^^^^^^^^^^^^^
D 01 024      Latitude                          7598
                                                    Longitude
                                                    -08593
                                                    Elevation
                                                    00010
B 08 021      18 = launch time follows          18
D 01 011      Year                             1998
                                                    Month
                                                    04
                                                    Day
                                                    29
D 01 012      Hours                            23
                                                    Minutes
                                                    18
B 02 011      Radiosonde type                   061
B 02 143      Ozone instrument type             019
B 02 142      Ozone sonde serial number         ////
D 15 004      Ozone sounding correction factor   ////
D 15 005      Ozone p                           375
R 04 000      Delayed replication factor = number of levels
                                                    0082
                                                    The next four descriptors are repeated 82 times
B 04 025      Time displacement since launch time (minutes)  See below
B 08 006      Ozone VSS                         See below
B 07 004      Pressure                          See below
B 15 003      Measured ozone partial pressure    See below
++
7777      End of message

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KULA01 CWA0 051800

CREX++

T000101 A008 D09045++

71 917 EUREKA 7598 -08593 00010 18 1998 04 29 23 18

061 019 //// //// 375 0082

0000 400 10137 030 0000 200 10000 030 0001 002 09687 037

0002 002 09366 033 0004 002 08831 037 0005 200 08500 036

0007 002 08013 043 0007 002 07881 047 0008 002 07646 037

0009 002 07442 042 0011 200 07000 031 0012 002 06849 027

0013 002 06710 036 0015 002 06291 029 0022 200 05000 028

0025 002 04557 027 0029 002 04065 024 0029 200 04000 020

0032 002 03626 025 0038 002 03000 020 0040 002 02890 021

0040 002 02829 065 0041 002 02726 105 0043 002 02576 118

0044 200 02500 135 0048 002 02218 165 0049 002 02147 161

0050 002 02104 171 0051 002 02031 153 0051 002 02010 159

0051 200 02000 171 0052 002 01941 188 0054 002 01854 198

0056 002 01744 187 0056 002 01717 194 0057 002 01683 191

0058 002 01640 161 0058 002 01623 159 0059 002 01585 168

0059 002 01576 185 0060 002 01545 197 0061 002 01500 202

0063 002 01414 221 0064 002 01370 220 0065 002 01335 230

0066 002 01269 219 0067 002 01232 227 0067 002 01226 235

0068 002 01208 241 0072 002 01055 242 0074 200 01000 236

0075 002 00960 228 0076 002 00936 192 0077 002 00912 180

0078 002 00897 187 0078 002 00883 210 0079 002 00868 221

0079 002 00850 202 0080 002 00841 199 0081 002 00815 208

0081 002 00807 189 0081 002 00803 171 0082 002 00790 152

0082 002 00777 157 0083 002 00764 172 0084 002 00741 156

0084 002 00722 156 0085 002 00715 162 0085 200 00700 188

0085 200 00700 193 0086 002 00682 203 0088 002 00639 212

0090 002 00608 206 0091 002 00588 190 0091 002 00582 192

0092 002 00570 209 0092 002 00557 215 0096 200 00500 197

0099 002 00437 171 0108 002 00316 139 0110 200 00300 128

0115 002 00242 108++

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SAMPLE DATA WITH CREX SEQUENCE FOR EXCHANGE OF FORECAST RESULT ON TROPICAL CYCLONES

Descriptor	Order No.	Sample data	Corresponding meaning	Unit	Scale	Data width
B 01 033	1	034	Originating Centre = RSMC Tokyo	Code table	0	3
B 01 025	2	21W	Storm identifier	Character	0	3
B 01 027	3	ZANE	WMO storm name	Character	0	10
D 01 011			(sequence descriptor)			
B 04 001	4	1996	Year	Year	0	4
B 04 002	5	10	October	Month	0	2
B 04 003	6	01	1st	Day	0	2
D 01 012			(sequence descriptor)			
B 04 004	7	06	6 o'clock (UTC)	Hour	0	2
B 04 005	8	00	0 minute (UTC)	Minute	0	2
B 01 032	9	XXX	(to be defined)			
			Identification of NWP model	Code table	0	3
B 02 041	0	01	Based on computer analysis	Code table	0	2
B 19 001	1	02	Tropical storm	Code table	0	2
B 19 010	2	01	Minimum value of sea level pressure	Code table	0	2
R 18 000	3	0003	(***delayed replication descriptor**)	Numeric	0	4
			Data for 3 forecast times of 18 descriptors follow			
B 08 021	4	04	Forecast data follow	Code table	0	2
B 04 014	5	0012	12 hour forecast data follow	Hour	0	4
B 08 005	6	01	Data of storm centre follow	Code table	0	2
D 01 023			(sequence descriptor)			
B 05 002	7	3010	Latitude of the storm centre is 30.1N	Degree	2	4
B 06 002	8	14200	Longitude of the storm centre is 142.0E	Degree	2	5
B 19 005	9	270	Direction of motion of storm is 270	Degree true	0	3
B 19 006	0	00500	Speed of motion of storm is 5 m s ⁻¹	m s ⁻¹	2	5
B 10 004	1	09750	Pressure of storm centre is 975 hPa	Pa	-1	5
B 11 041	2	0576	Gust wind speed is 57.6 m s ⁻¹	m s ⁻¹	1	4
B 08 021	3	06	Forecast time averaged follow	Code table	0	2
B 04 075	4	10	10 minutes mean value follow	Minute	0	2
B 11 040	5	0360	Maximum wind speed is 36.0 m s ⁻¹	m s ⁻¹	1	4
B 19 008	6	2	Storm depth is medium	Code table	0	1
R 05 004			*** (replication descriptor)			
			4 times replication of following 5 descriptors			
B 05 021	7	31500	Sector 1 (from 315 degrees	Degree true	2	5
B 05 021	8	04500	to 45 degrees)	Degree true	2	5
R 02 002			*** (replication descriptor)			
			2 times replication of following 2 descriptors			
B 19 003	9	025	Wind speed threshold is 25 m s ⁻¹	m s ⁻¹	0	3
B 19 004	0	1950	Effective radius is 195 km	m	-2	4

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Descriptor	Order No.	Sample data	Corresponding meaning
	1	015	Wind speed threshold is 15 m s ⁻¹
	2	4000	Effective radius is 400 km
	3	04500	Sector 2 (from 45 degrees to 135 degrees)
	4	13500	
	5	025	Wind speed threshold is 25 m s ⁻¹
	6	1950	Effective radius is 195 km
	7	015	Wind speed threshold is 15 m s ⁻¹
	8	4300	Effective radius is 430 km
	9	13500	Sector 3 (from 135 degrees to 225 degrees)
	0	22500	
	1	025	Wind speed threshold is 25 m s ⁻¹
	2	1950	Effective radius is 195 km
	3	015	Wind speed threshold is 15 m s ⁻¹
	4	6090	Effective radius is 609 km
	5	22500	Sector 4 (from 225 degrees to 315 degrees)
	6	31500	
	7	025	Wind speed threshold is 25 m s ⁻¹
	8	1950	Effective radius is 195 km
	9	015	Wind speed threshold is 15 m s ⁻¹
	0	4700	Effective radius is 470 km
	1	04	(24- and 36-hour forecast data follow as same as
		the second fourth order above)

CREX MESSAGE COMPOSED OF ABOVE DATA ELEMENTS:

CREX++

T000101 A007 B01033 B01025 B01027 D01011 D01012 B01032 B02041 B19001 B19010 R18000 B08021 B04014 B08005 D01023 B19005 B19006 B10004 B11041 B08021 B04075 B11040 B19008 R05004 B05021 B05021 R02002 B19003 B19004

E + +

0034 121W 2ZANE 31996 410 501 606 700 8XXX 901 002 101 20003 304 40012 501 63010 714200 8270 900500 009750 10576 206 310 40360 52 631500 704500 8025 91950 0015 14000 204500 313500 4025 51950 6015 74300 813500 922500 0025 11950 2015 36090 422500 531500 6025 71950 8015 94700 004++
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or (with big common sequence definition)

CREX++

T000101 A007 D16027E++

0034 121W 2ZANE 31996 410 501 606 700 8XXX 901 002 101 20003 304 40012 501 63010 714200 8270 900500 009750 10576 206 310 40360 52 631500 704500 8025 91950 0015 14000 204500 313500 4025 51950 6015 74300 813500 922500 0025 11950 2015 36090 422500 531500 6025 71950 8015 94700 004++
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or without check digit:

CREX++

T000101 A007 D16027++

034 21W ZANE 1996 10 01 06 00 XXX 01 02 01 0003 04 0012 01 3010 14200 270 00500 09750 0576 06 10 0360 2 31500 04500 025 1950 015 4000 04500 13500 025 1950 015 4300 13500 22500 025 1950 015 6090 22500 31500 025 1950 015 4700 04++
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MONITORING INFORMATION SAMPLE MESSAGE

CREX++ (indicator section)
T000101 A020 D35010++ (description section)
1 2 4 014 23 1996 10 01 00 15 24 06 25 00 012 63 0003 740 0360 894 0353
792 0125++ (data section)
7777 (end section)

1	Regional exercise
2	Non-real time
4	RTH
014	Nairobi
23	Monitoring period follows
1996	YYYY
10	MM
01	DD
00	HH
15	Days duration
24	Data cut-off follows
06	Hours
25	Report time follows
00	Hours
012	SYNOP
63	Block number
0003	Stations
740	Nairobi
0360	Well done
894	Dar es Salaam
0353	Very good
792	A station
0125	Must do better!
++	
7777	

