## METEOROLOGICAL DEPARTMENT CURAÇAO **CLIMATOLOGICAL SUMMARY**

## November 2015

Station: HATO, Airport

Rainfall total	RAIN				
Rainfall percentage total / (long-term average)         -22         %           Rainfall 24 hour's maximum date:         8-Nov-15         20.9         mm           Rainfall amount of days >= 1.0 mm         10         day(s)           Hours with rainfall         43         hrs           Hours with rainfall percentage / (long-term average)         -39         %           Rainfall percentage cumulative / (long-term average)         292.7         mm           Rainfall percentage cumulative / (long-term average)         6.4         mm           Evaporation daily average         6.4         mm           Evaporation monthly total         192.7         mm           Evaporation maximum / month date:         25-Nov-15         10.7         mm           Evaporation maximum / month date:         25-Nov-15         10.7         mm           Evaporation monthly average         8         25         hrs         min           Sunshine duration monthly average         8         25         hrs         min           Sunshine absolute max. / month date:         19-Nov-15         0         hrs         min           Sunshine absolute min. / month date:         19-Nov-15         0         hrs         min           Sular radiation absolute max. / month date:			95.2	mm	
Rainfall 24 hour's maximum date: 8-Nov-15   20.9   mm   Rainfall amount of days >= 1.0 mm   10   day(s)   Hours with rainfall percentage / (long-term average)   3-39   %   Rainfall percentage / (long-term average)   3-39   %   Rainfall percentage cumulative / (long-term average)   3-43   %   %					
Hours with rainfall		8-Nov-15	<del></del>		
Hours with rainfall	Rainfall amount of days >= 1.0 mm		10	dav(s)	
Hours with rainfall percentage / (long-term average)   January till November   292.7 mm   Rainfall cumulative   January till November   292.7 mm   Rainfall percentage cumulative / (long-term average)   Rainfall percentage total / mm   Revaporation monthly total   192.7 mm   Revaporation maximum / month date:   25-Nov-15   10.7 mm   Revaporation maximum / month date:   25-Nov-15   Rainfall percentage total / normal   Rainfall percentage   Rainfall	•		_	• • •	
Rainfall cumulative   January till November   292.7   mm   43   %			_	_	
Painfall percentage cumulative / (long-term average)   Painfall percentage content percentage total / normal   Painfall percentage content percentage content percentage content percentage content percentage content percentage content percentage   Painfall percentage content percentage content percentage   Painfall percentage content percentage content percentage content percentage   Painfall percentage content percentage content percentage   Painfall percentage content percent		January till November	292.7	mm	
Evaporation daily average			-		
Evaporation daily average   6.4 mm   192.7 mm   Evaporation monthly total   192.7 mm   Evaporation maximum / month date:   25-Nov-15   10.7 mm   Evaporation maximum / month date:   25-Nov-15   10.7 mm   Evaporation maximum / month date:   25-Nov-15   10.7 mm   Evaporation monthly average   8	EVAPORATION				
Evaporation maximum / month date:   25-Nov-15   10.7   mm			6.4	mm	
SUNSHINE  Sunshine duration monthly average Sunshine percentage total / normal Sunshine percentage total / normal Sunshine absolute max. / month date: 19-Nov-15 11 0 hrs min Sunshine absolute min. / month date: 19-Nov-15 0 0 hrs min Solar radiation monthly average - Whr / m² /day Solar radiation absolute min. / month date: - Whr / m² /day Solar radiation absolute min. / month date: - Whr / m² /day Solar radiation absolute min. / month date: - Whr / m² /day  TEMPERATURE  Temperature monthly average - 28.3 °C Temperature monthly average - 31.4 °C Temperature absolute max. date / time: - 4-Nov-15 - 33.3 °C Temperature monthly min. average - 26.2 °C Temperature monthly min. average - 26.2 °C Temperature absolute min. date / time: - 19-Nov-15 - 24.3 °C Relative humidity monthly average - 12.0 kts Wind speed monthly average - 12.0 kts Wind speed average max 25.4 kts Wind speed average max 25.4 kts Wind speed absolute max. date / time: - 10-Nov-15 - 33 kts Wind vector monthly average - 116 ° 11.6 Kts Wind energy potential total * - Whr / m² /day Wind energy potential maximum * date: - 15-Nov-15 - 7553 - Whr / m² /day Wind energy potential maximum * date: - 15-Nov-15 - 7553 - Whr / m² /day	Evaporation monthly total		192.7	mm	
Sunshine duration monthly average   8   25   hrs   min	Evaporation maximum / month date:	25-Nov-15	10.7	mm	
Sunshine percentage total / normal   7.0	SUNSHINE				
Sunshine absolute max. / month date:   20-Nov-15   11   0   hrs   min			_	25 hrs	min
Sunshine absolute min. / month date:       19-Nov-15       0       0       hrs       min         Solar radiation monthly average       -       Whr / m² / day       /day         Solar radiation absolute max. / month date:       -       Whr / m² / day       /day         TEMPERATURE         Temperature monthly average         Temperature monthly max. average       28.3       ℃         Temperature absolute max. date / time:       4-Nov-15       33.3       ℃         Temperature monthly min. average       26.2       ℃         Temperature absolute min. date / time:       19-Nov-15       24.3       ℃         Relative humidity monthly average       19-Nov-15       24.3       ℃         Wind speed monthly average       12.0       kts         Wind speed average max.       25.4       kts         Wind speed absolute max. date / time:       10-Nov-15       33       kts         Wind energy potential total *       116.6       kts         Wind energy potential total *         Wind energy potential maximum * date:       15-Nov-15       7553       Whr / m² / day	Sunshine percentage total / normal		7.0	%	
Solar radiation monthly average   - Whr / m² /day	Sunshine absolute max. / month date:	20-Nov-15	11	0 hrs	min
Solar radiation absolute max. / month date:  Solar radiation absolute min. / month date:  TEMPERATURE  Temperature monthly average Temperature monthly max. average Temperature absolute max. date / time: Temperature monthly min. average Temperature absolute min. date / time: Temperature monthly average Temperature mo	Sunshine absolute min. / month date:	19-Nov-15	0	0 hrs	min
Solar radiation absolute min. / month date:  - Whr / m² /day  TEMPERATURE  Temperature monthly average 28.3 °C Temperature monthly max. average 31.4 °C Temperature absolute max. date / time: 4-Nov-15 33.3 °C Temperature monthly min. average 26.2 °C Temperature absolute min. date / time: 19-Nov-15 24.3 °C Relative humidity monthly average 80.8 %  WIND  WIND  Wind speed monthly average 12.0 kts Wind speed average max. 25.4 kts Wind speed average max. 425.4 kts Wind speed absolute max. date / time: 10-Nov-15 33 kts Wind vector monthly average 116 ° 11.6 Kts Wind energy potential total * 114 KWhr / m² Wind energy monthly average * 3809 Whr / m² /day Wind energy potential maximum * date: 15-Nov-15 7553 Whr / m² /day	Solar radiation monthly average		-	Whr / m <sup>2</sup>	/day
TEMPERATURE  Temperature monthly average Temperature monthly max. average Temperature absolute max. date / time: Temperature monthly min. average Temperature monthly min. average Temperature monthly min. average Temperature absolute min. date / time: Temperature monthly average Temperature absolute min. date / time: Temperature monthly average Temperature absolute min. date / time: Temperature monthly average Temperature absolute min. date / time: Temperature absolute min. date / t	Solar radiation absolute max. / month date:		-	Whr / m <sup>2</sup>	/day
Temperature monthly average Temperature monthly max. average Temperature absolute max. date / time: Temperature monthly min. average Temperature monthly min. average Temperature absolute min. date / time: Tempera	Solar radiation absolute min. / month date:		-	Whr / m²	/day
Temperature monthly max. average Temperature absolute max. date / time:  Temperature monthly min. average Temperature monthly min. average Temperature absolute min. date / time:  Temperature monthly average  Temperature absolute min. date / time:  Temperature absolute min. date / time:  Temperature monthly average  Temperature date / time:  Temperature date / time:  Temperature absolute max. date / time:  Temperature date / time:  Temperature absolute min. date / time:  Temperature absolute min. date / time:  Temperature date / time:  Temperature absolute min. date / time:  Temperature monthly min. average  Temperature monthly min. average  Temperature monthly average  Temperature absolute min. date / time:  Temperature absolute					
Temperature absolute max. date / time:  Temperature monthly min. average  Temperature absolute min. date / time:  19-Nov-15  24.3  C Relative humidity monthly average  WIND  Wind speed monthly average  Vind speed average max.  Vind speed absolute max. date / time:  Vind vector monthly average  Vind vector monthly average  Vind energy potential total *  Vind energy monthly average *  Vind energy potential maximum * date:  Vind energy potential					
Temperature monthly min. average Temperature absolute min. date / time: Relative humidity monthly average 19-Nov-15 24.3 °C Relative humidity monthly average 80.8 %  WIND  Wind speed monthly average 12.0 kts Wind speed average max. 25.4 kts Wind speed absolute max. date / time: 10-Nov-15 33 kts Wind vector monthly average 116 ° 11.6 Kts Wind energy potential total * Wind energy monthly average * 3809 Whr / m² /day Wind energy potential maximum * date: 15-Nov-15 7553 Whr / m² /day			•		
Temperature absolute min. date / time: Relative humidity monthly average  WIND  Wind speed monthly average  Wind speed average max.  Wind speed absolute max. date / time: Wind speed absolute max. date / time: Wind vector monthly average  Wind energy potential total * Wind energy monthly average * Wind energy potential maximum * date:  19-Nov-15  24.3 °C  80.8 %  Kts  Vist  12.0  kts  Vist  10-Nov-15  33  kts  116 ° 11.6 Kts  Vind energy potential total *  Wind energy potential maximum * date:  15-Nov-15  7553  Whr / m² /day		4-Nov-15			
Relative humidity monthly average  WiND  Wind speed monthly average  Wind speed average max.  Wind speed absolute max. date / time:  Wind vector monthly average  Wind energy potential total *  Wind energy monthly average *  Wind energy potential maximum * date:  15-Nov-15  80.8  %  Kts  Vist	•				
Wind speed monthly average Wind speed average max. Wind speed absolute max. date / time:  Wind vector monthly average  Wind energy potential total *  Wind energy monthly average *  Wind energy potential maximum * date:  Wind energy potential maximum * date:  12.0 kts  12.0 kts  13.0 kts  Wind speed average max.  10-Nov-15  33 kts  11.6 Kts  11.6 Kts  11.4 KWhr / m²  /day  Wind energy potential maximum * date:  15-Nov-15  7553 Whr / m² /day		19-Nov-15	_	$_{\mathbb{C}}$	
Wind speed monthly average Wind speed average max.  Wind speed absolute max. date / time:  10-Nov-15  33  kts  Wind vector monthly average  11.6 ° 11.6 Kts  Wind energy potential total *  Wind energy monthly average *  Wind energy potential maximum * date:  15-Nov-15  12.0  kts  Wts  Wts  Wts  Wts  114  KWhr / m²  /day	Relative humidity monthly average		80.8	%	
Wind speed average max.  Wind speed absolute max. date / time:  10-Nov-15  33  kts  Wind vector monthly average  116 °  11.6 Kts  Wind energy potential total *  Wind energy monthly average *  Wind energy potential maximum * date:  15-Nov-15  25.4  kts  33  kts  116 °  11.6 Kts  Whr / m²  /day	WIND				
Wind speed absolute max. date / time:  10-Nov-15  33  kts  Wind vector monthly average  116 °  11.6 Kts  Wind energy potential total *  Wind energy monthly average *  Wind energy potential maximum * date:  15-Nov-15  33  kts  116 °  11.6 Kts  Whr / m²  /day				kts	
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$					
Wind energy potential total $^*$ 114 KWhr / $^*$ Wind energy monthly average $^*$ 3809 Whr / $^*$ /day Wind energy potential maximum $^*$ date: 15-Nov-15 753 Whr / $^*$ /day		10-Nov-15			
Wind energy monthly average * $3809$ Whr / $m^2$ /day Wind energy potential maximum * date: $15$ -Nov-15 $753$ Whr / $m^2$ /day			116 °	11.6 Kts	
Wind energy potential maximum * date: 15-Nov-15 7553 Whr / m² /day				KWhr / m <sup>2</sup>	
			3809	Whr / m <sup>2</sup>	/day
Wind energy potential minimum * date: 20-Nov-15 749 Whr / m² /day		15-Nov-15	7553	Whr / m <sup>2</sup>	/day
	Wind energy potential minimum * date:	20-Nov-15	749	Whr / m²	/day

## **REMARKS**

The monthly windspeed average and average maximum were on the extreme side in comparison with the 30 year. This is the third month in a row with a extreme average minimum temperature in comparison with the 30 year.



 <sup>\*</sup> Wind energy at a height of 10 m for windspeeds of 4 m/s or more.
 \*\* Sunshine duration in hrs (solar time)

<sup>\*\*\*</sup> Solar radiation (local time)

\_ Blank field - No data available