

# Den Helder - zuidcomponent van de wind

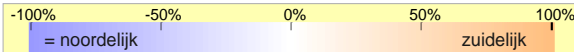
Met links naar gedetailleerde weergegevens vanaf 1980. Klik op de betreffende maand.

Klik op de kaart voor andere weerstations



	januari	februari	maart	april	mei	juni	juli	augustus	september	oktober	november	december	jaar
1980	24.9 [24.7]	40.0 [12.2]	9.6 [9.4]	-57.4 [15.8]	-43.6 [9.7]	13.7 [11.1]	3.0 [8.9]	13.4 [0.2]	39.2 [10.6]	2.1 [21.6]	4.3 [22.9]	12.1 [26.4]	5.1 [6.9]
1981	-4.1	15.0	39.2	-43.1	38.2	-22.3	6.9	-41.1	52.0	51.9	4.0	-1.7	7.9 [6.5]
1982	37.5	45.2	28.1	-47.1	-1.6	-23.3	-35.4	22.1	36.8	43.9	53.4	40.2	16.7 [7.1]
1983	34.3	-13.7	32.3	23.0	26.2	-14.3	-30.7	-51.0	38.1	20.8	6.4	47.4	9.9 [7.1]
1984	21.4	5.0	-8.2	-21.8	-63.2	-17.6	-15.7	-14.3	18.2	46.0	59.6	66.0	6.3 [6.8]
1985	10.6	8.2	40.2	17.1	-26.0	-5.4	30.9	60.7	21.3	2.3	6.4	54.7	18.4 [7.5]
1986	12.1	-29.2	49.6	15.9	50.0	-27.1	8.3	-5.0	-23.6	26.0	57.4	36.9	14.3 [8.0]
1987	-16.2	2.5	25.1	25.8	-33.4	17.5	-19.5	11.0	25.4	52.0	6.1	30.9	10.6 [8.1]
1988	59.3	2.6	5.4	-15.8	-6.6	-42.3	64.8	33.5	17.8	27.3	0.4	4.1	12.5 [8.2]
1989	55.2	63.9	39.7	-17.1	-18.8	-25.6	-37.2	10.0	-4.9	16.2	25.6	13.7	10.1 [8.2]
1990	68.4 [28.8]	53.4 [12.2]	17.3 [15.1]	-2.9 [12.7]	-25.2 [7.2]	9.5 [12.6]	-26.3 [9.7]	-0.8 [1.3]	-27.1 [13.4]	49.0 [26.0]	-5.1 [22.3]	2.5 [23.4]	9.4 [8.1]
1991	29.0	14.8	35.9	-6.3	-64.9	9.9	13.6	3.5	-4.4	9.6	49.6	19.0	9.1 [8.2]
1992	0.6	38.6	21.8	12.8	0.1	-53.4	-6.2	36.2	45.5	0.4	27.6	36.5	13.4 [8.7]
1993	45.7	7.7	17.0	21.1	-15.0	-27.7	3.9	-10.2	-1.8	2.9	26.1	25.8	8.0 [8.5]
1994	35.0	34.0	34.1	11.5	-25.6	1.8	-20.0	-3.1	7.1	23.2	29.8	44.6	14.4 [8.6]
1995	34.6	32.4	17.6	-41.3	-14.1	-41.8	-0.9	-60.7	-2.2	55.2	25.1	17.6	1.8 [8.5]
1996	41.7	9.3	-29.7	16.1	-20.7	-19.4	-4.3	13.3	-31.2	43.8	13.6	18.5	4.3 [8.4]
1997	16.2	57.9	14.1	-31.7	-1.7	8.7	-7.6	-0.7	-3.4	-2.0	67.5	24.0	11.8 [8.3]
1998	29.9	38.5	6.6	24.7	-27.7	39.4	6.6	-15.6	24.3	11.4	30.2	32.3	16.7 [8.8]
1999	44.7	-8.5	38.1	10.8	2.1	3.2	-15.5	-2.0	36.9	14.0	6.4	13.5	12.0 [9.2]
2000	16.7 [31.9]	27.5 [21.1]	-17.2 [17.6]	25.4 [9.7]	-7.8 [12.1]	5.6 [12.2]	-42.4 [9.0]	13.2 [1.3]	44.4 [11.9]	68.6 [24.5]	84.4 [27.0]	46.5 [29.1]	22.1 [9.9]
2001	42.8	-10.6	17.0	5.9	-34.8	-2.7	4.0	13.3	-21.2	67.4	-22.7	-20.9	3.1 [10.0]
2002	65.0	31.6	15.6	-17.4	28.3	34.3	1.2	-13.7	-28.2	16.8	54.9	18.3	17.2 [10.2]
2003	21.2	27.3	-3.8	-16.0	30.5	10.4	25.4	-39.0	6.5	-11.0	56.8	25.9	11.2 [10.7]
2004	31.1	0.7	4.7	6.7	-29.7	7.6	0.5	12.0	14.3	46.9	2.6	45.5	11.9 [10.8]
2005	8.0	-9.9	9.6	22.5	-4.1	-2.2	-12.0	-9.4	17.0	39.0	18.2	-2.8	6.2 [10.9]
2006	19.4	-4.1	6.1	-1.4	14.5	-32.0	-13.4	-19.7	34.8	43.4	38.8	41.7	10.7 [11.3]
2007	17.6	33.9	0.6	-27.9	-6.9	4.2	25.8	-6.9	-19.8	-1.7	-6.1	26.4	3.3 [11.0]
2008	55.6	43.7	4.4	19.4	-36.6	-4.6	14.3	47.7	17.1	41.7	17.7	12.5	19.4 [11.3]
2009	52.9	-6.0	7.5	-20.1	11.6	-37.9	39.8	33.6	-10.5	6.8	67.6	33.1	14.9 [11.1]
2010	2.9 [29.6]	8.4 [17.3]	10.0 [16.0]	-4.6 [1.9]	-53.6 [10.5]	-40.3 [9.6]	31.0 [0.3]	5.7 [0.8]	3.2 [9.4]	12.6 [27.5]	16.2 [27.3]	0.3 [25.1]	-0.7 [10.9]
2011	8.4	49.5	-8.5	-19.3	13.3	17.9	-22.1	21.0	54.9	37.4	41.0	24.4	18.2 [11.2]
2012	8.8	12.9	-0.2	18.5	-22.2	10.0	18.3	37.7	29.5	23.6	55.1	36.1	19.0 [11.3]
2013	26.4	-26.2	-20.5	-1.2	-13.9	-22.6	-27.1	18.6	3.2	50.3	-7.3	55.9	3.0 [11.1]
2014	74.7	85.6	14.8	-2.5	-6.2	-39.5	-26.0	28.0	-29.4	51.9	59.0	16.5	18.9 [11.5]
2015	41.2	8.3	5.7	-25.7	19.7	-8.5	24.8	29.5	-0.5	3.3	40.0	72.8	17.5 [11.5]
2016	44.3	18.4	-5.4	9.4	-15.7	-1.4	18.1	13.1	42.4	-1.4	14.3	43.5	15.0 [11.5]
2017	28.6	32.7	30.3	-18.5	-6.4	13.4	5.5	15.3	29.9	20.2	2.6	20.5	14.5 [11.6]
2018	32.1	17.2	19.4	22.4	-46.1	-44.4	-33.7	4.4	14.1	15.3	45.8	32.0	6.5 [11.4]
2019	0.8	44.9	13.4	-10.0	-26.5	13.1	4.5	35.1	20.3	31.3	43.3	49.7	18.3 [11.7]
2020	56.0 [31.1]	43.5 [21.8]	12.3 [9.0]	-15.7 [1.1]	-28.1 [12.9]	-7.0 [6.9]	11.4 [0.6]	6.8 [6.9]	-1.4 [9.7]	43.7 [25.5]	50.1 [31.6]	49.8 [28.7]	18.4 [11.4]
2021	-3.1	33.1	-3.8	-68.2	0.7	-36.0	-15.3	-13.0					

maandgemiddelden en -normalen  
jaargemiddelden en -normalen



Berekening:

$$\text{Zuidenwind} = \text{SIN}(((\text{wind in graden} + 270) / 180) \times \pi) \times 100\%$$