

From Henrietta Levitt's paper on cepheid variables in the small magellanic cloud:

E. C. Pickering(for Henrietta Leavitt),"Periods of 25 Variable Stars in the Small Magellanic Cloud", *Harvard College Observatory Circular 173* (March 3, 1912), 1-3



~~You will need to take the logarithm of the period from Leavitt's paper.~~

period in days	log period	photographic magnitude, maximum
1.25336	0.0981	14.8
1.6637	0.221	14.8
1.7620	0.246	14.8
1.87502	0.273	15.1
2.17352	0.337	14.7
2.913	0.464	14.4
3.501	0.544	14.7
4.2897	0.690	14.6
4.547	0.658	14.3
4.9866	0.699	14.3
5.311	0.725	14.4
5.323	0.726	14.3
6.2926	0.799	14.8
6.650	0.823	14.1
7.483	0.874	14.0
8.397	0.924	13.9
10.336	1.014	13.6
11.645	1.066	13.4
12.417	1.094	13.8
13.08	1.117	13.4
13.47	1.129	13.4
16.75	1.224	13.0
31.94	1.504	12.2
65.8	1.818	11.4
127.0	2.104	11.2

From Edwin Hubble's paper on cepheid variables in M33 and M31:

Edwin Hubble, "Cepheids in Spiral Nebula", *Popular Astronomy*, 33 (1925) 252-5

Table I, Cepheids in M33

period in days	logarithm of period	photographic magnitude, maximum
46.0	1.66	18.35

41.6	1.62	18.45
38.2	1.58	18.45
37.3	1.57	18.30
37.2	1.57	18.55
35.95	1.56	18.50
35.5	1.55	18.45
31.5	1.50	18.55
31.1	1.49	18.65
30.2	1.48	18.70
26.0	1.41	19.00
23.6	1.37	18.80
23.4	1.37	18.85
21.75	1.34	19.00
21.2	1.33	18.80
21.05	1.32	18.85
20.8	1.32	18.95
20.8	1.32	18.75
19.6	1.29	18.80
19.15	1.28	18.75
18.05	1.26	18.95
17.65	1.25	19.05

Table II, Cepheids in M31

period in days	logarithm of period	photographic magnitude, maximum
50.17	1.70	18.4
45.04	1.65	18.15
41.14	1.61	18.6
38	1.58	18.3
31.41	1.50	18.2
22.03	1.34	19.0
22	1.34	19.0
21.5	1.33	18.75
20.10	1.30	18.5
18.77	1.28	18.55
18.54	1.27	18.9

