

Evaluation of GPM-Era Satellite Precipitation Products on the Southern Slopes of the Central Himalayas Against Rain Gauge Data

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Table S1. Location and data availability of selected rain gauge station.

Station_id	Latitude	Longitude	Elevation (m)	Daily Data Availability (%)
101	29.65	80.5	842	95.27
102	29.55	80.4167	1635	65.25
103	29.4667	80.5333	1266	91.70
104	29.3	80.5833	1848	96.43
105	29.0333	80.2167	176	96.72
106	28.6833	80.35	159	89.96
107	29.85	80.5667	1097	100.00
108	29.5333	80.4667	2370	95.08
109	29.7833	80.8167	1676	87.55
110	29.75	80.6667	1524	96.33
111	29.7333	80.4	1402	95.66
115	29.4	80.65	1676	100.00
116	29.2833	80.3667	1437	93.44
117	29.2167	80.6167	2073	95.75
118	29.1167	80.35	622	99.23
119	28.9667	80.3	223	95.46
120	28.8667	80.4667	229	94.11
121	28.85	80.1	188	93.73
122	28.7667	80.3833	183	95.85
123	28.7667	80.5167	191	95.27
124	28.75	80.35	213	98.07
201	29.6167	80.8667	1456	95.85
203	29.2667	80.9833	1360	98.46
204	29.3833	81.3167	1400	72.68
205	29	81.1333	1388	92.08
206	28.9528	81.4417	650	99.81
207	28.5333	81.1167	140	98.26
208	28.75	80.9167	195	91.12
209	28.8	80.55	187	93.15
210	28.9667	81.1167	340	82.14
212	28.5667	80.8167	152	97.49
214	29.1167	80.6833	1304	99.90
215	28.8667	80.6333	288	97.68
217	29.15	81.2831	1345	99.90
218	29.2333	80.9333	720	98.75
220	29.1667	81.2833	820	87.74
223	29.5667	81.0667	2438	98.55
227	29.5	81.6667	1317	99.03
228	29.3667	81.3667	1518	88.90

229	29.3333	81.05	2286	98.36
230	29.2833	81.2667	1296	89.96
231	29.2667	81.1667	1481	99.81
232	29.2333	81.2167	579	78.67
233	29.1667	80.6	1884	98.07
234	29.1667	81	1219	96.43
235	29.1667	81.2833	914	98.07
238	28.9833	80.85	1310	90.06
239	28.8333	80.5333	203	93.53
240	28.7833	80.75	201	96.33
299	29.5459	81.2012	1420	91.22
302	29.3167	81.7667	1006	95.56
303	29.2747	82.1796	2366	93.05
304	29.2833	82.3167	3080	99.13
305	29.1333	81.6	1210	99.23
306	29.55	82.15	2133	99.52
307	29.5397	82.0833	2975	94.40
308	29.2	81.9	1905	96.53
309	29.2333	81.6333	1814	96.62
310	29.2667	82.2167	2310	90.64
312	28.9333	82.9167	2058	90.54
313	29.7333	82.1	1950	76.06
314	30.05	81.7	2808	93.82
315	29.9167	81.9167	3300	91.89
317	29.8	81.95	2579	90.54
318	29.6167	82.15	3293	98.84
319	29.5833	82.3	2255	86.49
320	29.5	81.8833	1958	99.42
321	29.4333	82.4333	4652	97.20
322	29.4311	82.1074	2801	93.24
323	29.3833	81.9667	2286	95.37
324	29.3333	81.9833	2286	93.73
326	29.3167	82.2833	2438	97.49
327	29.25	82.05	2626	92.86
330	29.1	82.5833	3135	91.60
331	29.0833	81.7	2271	98.17
332	28.9833	83.8167	3902	93.24
399	29.2739	82.1939	2375	97.49
401	28.8833	81.25	950	96.43
402	28.85	81.7167	1402	96.14
403	28.7833	81.3333	260	88.90
404	28.7	82.2	1231	99.13

405	28.6531	81.2869	225	96.53
406	28.5871	81.6347	720	91.41
408	28.2031	81.3506	215	77.61
409	28.1138	81.5903	135	93.44
410	28.7833	81.5833	610	95.17
411	28.4333	81.1	129	98.46
412	28.2667	81.7167	135	97.59
414	28.05	81.9	226	94.50
415	28.4333	81.35	200	96.91
416	28.0519	81.5228	144	94.11
417	28.3336	81.3378	155	84.56
418	28.9833	82.2833	2000	99.52
419	28.0299	81.9749	162	99.52
420	28.1036	81.6669	165	95.08
422	28.9167	81.75	1371	100.00
423	28.9	81.5167	1323	95.27
424	28.9	81.6333	1219	94.40
425	28.7833	81.8167	1219	97.97
426	28.7167	81.5	670	92.57
427	28.6667	82.0667	1371	94.98
428	28.65	82.1667	1432	91.22
429	28.5333	81.7833	1371	90.54
430	28.5333	81.9	1226	90.06
431	28.5333	82.0167	571	95.95
432	28.4333	81.8833	534	97.49
433	28.4167	81.7333	637	97.68
434	28.35	81.3167	167	94.79
435	28.2833	81.25	154	99.52
436	28.2833	81.95	1030	94.88
437	28.1833	81.4833	113	86.20
438	28.1567	81.7656	152	96.72
439	28.0667	81.5667	150	94.31
440	27.9333	81.7667	137	96.53
501	28.6	82.6333	1560	99.42
502	28.5833	82.8167	2150	98.65
504	28.3	82.6333	1270	100.00
505	28.1031	82.8517	823	99.61
507	28.2167	82.1167	698	91.12
508	28.1317	82.4842	725	95.75
510	27.7	82.5333	320	99.32
511	28.3833	82.1667	1457	95.66
512	28.3	82.2833	885	92.95

513	28.6333	82.2	910	98.26
514	28.6333	82.4833	2100	99.71
515	28.0369	82.4842	634	94.31
517	28.6667	82.2167	1066	91.02
518	28.55	82.35	1676	93.34
519	28.4833	82.2667	1648	99.61
520	28.4833	82.5	1676	99.90
521	28.4667	82.0667	1820	92.66
524	28.3167	82.95	2270	96.14
525	28.2833	82.0833	1371	85.42
527	28.1833	82.5	1828	93.82
528	28.1833	82.8667	1657	94.98
529	28.1833	82.15	640	99.13
530	28.1333	82.6333	1907	99.81
532	28.0167	82.3833	590	94.98
533	27.9667	82.6167	457	99.52
534	27.9333	82.9	1037	97.68
535	27.8833	82.3167	245	97.30
536	27.8833	82.3333	228	90.15
537	27.8706	82.5367	243	99.52
538	27.8333	82.7333	301	100.00
539	27.8167	82.55	249	99.81
601	28.78	83.72	2744	93.34
604	28.7389	83.6811	2655	100.00
605	28.2636	83.6	960	94.79
606	28.4833	83.65	1243	100.00
607	28.6328	83.6094	2490	96.43
608	28.8156	83.8622	3671	100.00
609	28.3508	83.5667	835	91.51
613	28.1833	83.75	1720	93.53
614	28.225	83.71	912	100.00
615	28.4	83.1	2273	97.88
616	28.6	83.2167	2530	75.02
619	28.4	83.7333	2742	100.00
620	28.0333	83.65	700	100.00
621	28.3833	83.4	1160	100.00
622	28.15	83.5667	1740	96.33
625	28.9	83.6833	3570	100.00
626	28.4667	83.6	1770	99.90
627	28.3833	83.4833	1550	86.87
628	28.5	83.3	1970	94.31
629	28.5667	83.3833	2330	90.44

630	28.1333	83.6167	790	96.72
631	28.3	83.1833	1602	97.88
632	28.2167	83.4167	1017	91.70
633	29.1833	83.9833	3870	94.02
701	27.95	83.4333	442	92.28
702	27.8639	83.5386	1187	94.02
703	27.6944	83.4663	205	93.05
704	27.6833	84.05	150	97.97
705	27.5069	83.4205	109	88.71
706	27.6833	84.2167	154	98.75
707	27.5292	83.4581	120	100.00
708	27.5347	83.6647	125	98.84
710	27.5908	83.8747	164	98.65
715	27.9333	83.15	1760	92.08
716	27.55	83.0667	94	98.65
721	27.7667	83.05	200	95.08
722	28.1667	83.2667	1280	97.01
723	27.6833	82.8	80	92.28
725	28.0667	83.25	1530	100.00
726	27.8667	83.8	500	99.03
727	27.4703	83.2761	95	94.02
728	27.5333	83.75	154	99.61
729	27.4667	83.2833	95	93.82
730	27.9	83.15	1201	80.02
731	28.1667	83.1167	1493	93.44
732	28.1167	83.35	1158	72.01
733	28.0667	83.45	1628	96.24
734	27.9333	83.3167	972	93.05
735	27.8833	82.95	500	93.05
736	27.85	84.0833	740	86.29
737	27.8333	82.8	493	97.10
738	27.8	83.3	1642	100.00
739	27.8	83.7333	1501	100.00
740	27.7833	83.8667	854	97.59
742	27.7167	83.6167	1123	97.88
743	27.6833	83.2	180	95.85
744	27.6833	83.7833	320	90.83
745	27.6	83.3167	170	100.00
746	27.55	83.8	137	93.92
748	27.4667	83.9167	190	92.95
749	27.3667	83.3333	130	90.64
801	28.3667	84.9	1334	90.54

802	28.2833	84.3667	823	86.78
804	28.2	83.9797	827	93.53
805	28.0986	83.8724	868	92.18
806	28.6667	84.6167	3650	100.00
807	28.1333	84.35	855	100.00
808	27.9417	84.4064	995	94.50
809	27.9714	84.5894	720	90.35
810	27.8833	83.8167	460	100.00
811	28.2183	83.9742	856	99.81
813	28.2667	83.8167	1600	99.23
814	28.2967	83.8178	1740	100.00
815	28.027	84.0866	526	98.17
817	27.9736	84.265	330	84.56
818	28.2667	83.9667	1070	89.29
820	28.6667	84.0167	3420	85.62
821	28.3833	83.8	1960	96.53
823	28.2	84.6167	1120	96.04
824	28.3667	84.1	1820	94.59
826	27.9772	83.755	750	97.49
827	27.8667	84.1333	660	98.46
829	28.2667	83.75	1000	88.90
830	28.2667	83.7833	1160	96.81
832	28.0833	83.9167	1432	95.56
835	28.6833	84.2	4243	75.29
837	28.6	84.1333	3304	97.68
839	28.55	84.7667	2653	100.00
841	28.4667	84.3833	1600	89.67
842	28.3333	84	1700	100.00
843	28.3167	83.9167	1524	98.17
844	28.3167	84.2667	1620	87.74
845	28.2667	84.4833	1300	98.94
846	28.25	84.1	1432	87.74
848	28.2167	84.2333	1457	82.63
849	28.2	83.9	1150	99.03
850	28.2	84.75	1889	94.69
851	28.1833	84.1333	954	95.46
852	28.15	84.25	490	94.11
853	28.1333	83.7667	1565	96.24
854	28.1333	84.0167	1000	94.40
855	28.1	84.1667	1150	93.53
856	28.0667	84.4833	548	94.79
857	28.0333	84.2333	390	98.65

858	28.0167	83.9833	1047	68.63
859	28.0167	84.4167	522	99.42
860	27.9333	83.8667	455	93.24
861	27.9167	83.65	760	94.69
862	27.8667	84	363	94.11
863	27.8672	84.5492	286	88.42
864	27.75	84.35	205	96.62
902	27.6539	84.3506	173	97.10
903	27.5833	84.5333	270	89.09
904	27.5597	85.1386	1706	93.05
906	27.4227	85.0279	474	99.13
907	27.2833	85	396	67.76
909	27.1594	84.9794	137	97.78
910	27.1833	85.1667	244	93.34
911	27.0789	84.9327	115	75.39
912	27.0167	85.3833	152	94.69
915	27.6167	85.15	1530	73.65
919	27.4162	85.1561	1030	73.46
920	27.55	84.8167	274	72.39
921	27.0354	85.0012	140	73.61
922	26.7671	85.313	90	76.35
923	27.0746	85.1753	109	92.47
927	27.6889	84.4292	205	86.87
928	27.7306	84.5918	300	63.42
930	27.6333	84.7333	551	67.47
931	27.5833	84.2333	158	69.02
932	27.4333	84.3833	240	63.46
933	27.3633	84.5786	243	76.99
1001	28.2833	85.3833	1900	96.53
1004	27.9167	85.1667	1003	77.99
1006	27.8667	85.8667	2000	100.00
1007	27.8311	85.2697	2034	91.22
1008	27.8	85.6167	1592	91.02
1015	27.6833	85.2	1630	90.83
1016	27.95	85.6	2625	99.52
1017	27.8667	85.5667	1550	94.50
1018	27.7833	85.5667	845	73.46
1020	27.7	85.65	1365	86.00
1022	27.5931	85.3789	1400	99.52
1023	27.6394	85.705	540	73.75
1024	27.6167	85.55	1552	80.50
1025	27.9167	85.6333	1240	72.78

1027	27.7886	85.9	850	97.10
1029	27.6667	85.3333	1350	100.00
1030	27.7039	85.3729	1337	93.05
1035	27.75	85.4833	1449	70.17
1036	27.6533	85.6211	980	85.14
1038	27.7231	85.1642	988	96.91
1039	27.7333	85.3333	1335	100.00
1043	27.7	85.5167	2163	82.34
1049	27.5725	85.5283	1400	92.86
1052	27.6667	85.4167	1330	85.33
1054	28.1667	85.3167	1847	86.78
1055	28.1	85.3	1982	73.55
1057	28.0167	85.1167	1240	96.53
1058	28	85.55	2480	99.81
1059	27.7	85.4167	1543	94.98
1060	27.6	85.3333	1448	97.01
1062	27.6839	85.7067	1200	83.40
1063	27.7	85.7833	1750	99.23
1073	27.6333	85.2833	1212	97.10
1074	27.7667	85.4167	1490	96.81
1075	27.5778	85.3531	1590	87.55
1076	27.6833	85.25	1520	100.00
1077	27.75	85.4167	1360	82.34
1078	27.9	85.6333	1310	89.19
1079	27.7581	85.2936	1398	95.37
1080	27.65	85.35	1341	99.32
1081	27.7842	85.2842	1422	94.59
1082	27.65	85.4667	1428	81.76
1101	27.6833	86.1	850	95.66
1102	27.6667	86.05	1940	75.68
1103	27.6342	86.2314	1930	90.25
1104	27.5167	86.05	1536	86.87
1107	27.2142	85.9167	534	90.64
1108	27.1833	86.1667	1417	93.15
1109	27.0833	85.6667	275	75.48
1110	27.0333	85.9167	457	98.65
1111	26.7111	85.9244	78	93.92
1114	26.8	85.9833	93	95.27
1115	27.4197	85.8486	690	87.84
1117	27.3333	85.5	250	94.88
1118	26.8833	85.4167	100	97.30
1119	26.8833	85.7833	200	83.98

1120	26.8667	85.5667	150	87.64
1121	27.1167	85.4667	131	93.34
1122	26.65	85.7833	172	76.45
1123	27.3939	86.0597	474	98.55
1124	27.6333	86.1333	1755	97.30
1202	27.7	86.7167	2619	100.00
1204	27.35	86.75	2143	99.03
1206	27.3081	86.5042	1720	92.66
1207	27.4833	86.4167	1576	72.20
1210	27.1333	86.4333	497	97.01
1211	27.0333	86.8333	1295	85.33
1212	26.7367	86.9314	100	97.01
1213	26.9333	86.5167	1175	96.14
1215	26.7328	86.4769	138	73.65
1216	26.6561	86.2117	102	93.44
1219	27.5	86.5833	2378	89.00
1222	27.2167	86.8	1623	85.91
1223	26.8008	86.6986	91	97.59
1224	27.55	86.3833	1662	67.03
1226	26.5953	86.9	85	97.01
1227	26.8011	86.6989	170	98.94
1301	27.55	87.2833	1497	95.66
1303	27.2922	87.3167	1262	100.00
1304	27.0464	87.2925	1720	93.34
1305	27.1533	87.2892	452	68.73
1306	27.05	87.2444	1464	99.61
1307	26.9833	87.3458	1187	94.50
1308	26.9317	87.3194	283	96.43
1309	26.9333	87.15	143	94.02
1311	26.7919	87.2847	310	90.54
1314	27.1228	87.5361	1633	80.02
1316	26.8167	87.1667	183	99.90
1317	27.7667	87.4167	2590	100.00
1319	26.4814	87.2639	72	97.49
1320	26.6986	87.2786	116	93.24
1321	27.3186	87.1969	477	90.35
1322	26.9667	87.1667	158	84.94
1325	27.3667	87.15	1190	88.32
1326	26.7342	87.5017	250	80.89
1327	27.3908	87.2042	1079	93.63
1403	27.5472	87.7939	1807	99.71
1404	27.4892	87.7731	1388	89.48

1405	27.3586	87.67	1744	97.68
1407	26.9097	87.9231	1208	99.61
1408	26.7706	87.7033	121	92.18
1409	26.625	87.9886	122	95.66
1410	26.8833	88.0333	1654	92.76
1412	26.5639	88.0614	90	100.00
1415	26.6897	87.9886	168	88.51
1416	26.8681	88.0783	1570	90.25
1419	27.1436	87.7656	1150	90.83
1420	27.3636	87.6199	700	100.00
1421	26.6508	87.8606	107	100.00
1422	26.395	88.0036	60	89.77
Pyramid	27.95	86.81	5050	92.28