

Williams AFB  
Single Record Data

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GL02998

Williams

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REC NO.	LAT	LONG	RESID MAG	TEPR CL	GEOL FLG	UNIT	COSH	ATH U	TOTAL COUNT	FLG TH	FLG U	FLG K	FLG	U/TH	U/K	TH K	TEMP	REF
S132	35.9925	-113.9990	S1738	533	G4		42	6	370	16	11	19		0.714	0.515	0.52	28	23
S133	35.9925	-113.9995	S1733	545	G4		32	6	473	7	14	20		1.973	0.319	0.243	28	23
S134	35.9925	-113.9992	S1726	569	G4		54	7	359	7	15	34		1.88	0.442	0.214	28	23
S135	35.9925	-113.9990	S1721	591	G4		39	7	368	7	11	41		1.46	0.274	0.16	27	23
S136	35.9925	-113.9986	S1715	594	G4		46	7	383	14	12	36	NAD	0.0	0.0	0.412	27	23
S137	35.9925	-113.9983	S1713	607	G4		41	8	390	7	10	44		1.806	0.522	0.289	27	23
S138	35.9926	-113.9980	S1710	630	G4		36	8	440	33	-2	47	NAD	0.0	0.0	0.814	27	23
S139	35.9926	-113.9976	S1708	654	G4		32	8	495	21	17	31		0.795	0.568	0.214	27	23
S140	35.9926	-113.9973	S1705	662	G4		49	8	405	2	6	53	NAD	0.0	0.0	1.27	27	23
S141	35.9926	-113.9970	S1704	655	G4		38	8	485	22	6	66	NAD	0.0	0.0	0.347	27	23
S142	35.9926	-113.9965	S1703	649	G4		39	8	459	25	4	90	NAD	0.0	0.0	0.504	27	23
S143	35.9926	-113.9964	S1701	649	G4		29	8	553	3	27	28		1.771	0.962	0.654	27	23
S144	35.9926	-113.9961	S1699	647	G4		38	8	592	8	13	50		1.547	0.267	0.169	27	23
S145	35.9926	-113.9957	S1699	645	G4		44	9	502	16	1	69		0.0	0.0	0.352	27	23
S146	35.9926	-113.9954	S1699	651	G4		40	9	547	27	6	66	MAR	0.0	0.399	0.410	27	23
S147	35.9926	-113.9951	S1699	655	G4		37	9	656	7	12	77		1.564	0.158	0.101	27	23
S148	35.9926	-113.9948	S1698	653	G4		30	9	656	21	4	97	MAR	0.418	0.091	0.215	27	23
S149	35.9926	-113.9944	S1698	651	G4		37	9	657	29	4	92	MAR	0.169	0.061	0.358	27	23
S150	35.9926	-113.9942	S1698	655	G4		42	9	674	13	15	85		1.124	0.181	0.161	27	23
S151	35.9926	-113.9939	S1698	667	G4		35	9	710	31	10	80		0.331	0.131	0.395	27	23
S152	35.9927	-113.9935	S1696	675	G4		39	9	702	13	18	80		1.373	0.228	0.166	27	23
S153	35.9927	-113.9932	S1695	674	G4		49	9	630	10	18	80		1.717	0.226	0.132	27	23
S154	35.9927	-113.9929	S1697	673	G4		38	8	682	12	15	57		1.198	0.263	0.220	27	23
S155	35.9927	-113.9926	S1695	687	G4		43	8	620	22	8	71	MAR	0.394	0.124	0.315	27	23
S156	35.9927	-113.9923	S1694	692	G4		38	8	656	25	4	48	NAD	0.0	0.0	0.534	27	23
S157	35.9927	-113.9920	S1694	703	MAR	G4	39	8	718	12	24	69		2.024	0.358	0.177	27	23
S158	35.9927	-113.9916	S1694	710	MAR	G4	57	8	567	16	16	65		1.137	0.253	0.225	27	23
S159	35.9927	-113.9913	S1694	719	MAR	G4	45	8	585	14	17	61		0.894	0.290	0.324	27	23
S160	35.9927	-113.9911	S1694	724	MAR	G4	34	8	652	15	5	90		0.377	0.067	0.176	27	23
S161	35.9927	-113.9908	S1694	729	MAR	G4	51	8	595	18	0	70	NAD	0.0	0.0	0.256	27	23
S162	35.9927	-113.9904	S1694	731	MAR	G4	43	9	652	19	13	91		0.675	0.144	0.214	27	23
S163	35.9928	-113.9901	S1693	733	MAR	G4	42	9	469	22	12	46		0.537	0.265	0.494	27	23
S164	35.9928	-113.9898	S1694	732	MAR	G4	43	8	608	8	12	46		1.524	0.168	0.109	27	23
S165	35.9928	-113.9895	S1697	731	MAR	G4	40	8	558	7	4	48	MAR	2.026	0.011	0.157	27	23
S166	35.9928	-113.9892	S1698	735	MAR	G4	32	8	537	9	4	72	MAR	0.474	0.061	0.133	27	23
S167	35.9928	-113.9889	S1696	736	MAR	G4	41	8	541	22	3	71	NAD	0.0	0.0	0.311	26	23
S168	35.9928	-113.9885	S1695	687	G4		44	8	467	10	3	73	NAD	0.0	0.0	0.14	26	23
S169	35.9928	-113.9882	S1695	682	G4		41	7	520	14	26	19		1.726	0.316	0.265	26	23
S170	35.9928	-113.9880	S1696	691	G4		55	7	393	13	15	41		1.194	0.589	0.326	26	23
S171	35.9928	-113.9877	S1696	709	MAR	G4	49	7	366	19	-1	49	NAD	0.0	0.0	0.401	26	23
S172	35.9928	-113.9873	S1696	713	MAR	G4	43	6	417	4	MAR	42		4.188	0.471	0.166	26	23
S173	35.9928	-113.9870	S1695	719	MAR	G4	47	6	456	25	9	41	MAR	0.375	0.224	0.606	26	23
S174	35.9928	-113.9867	S1695	725	MAR	G4	47	6	387	10	18	38		1.716	0.488	0.285	26	23
S175	35.9928	-113.9864	S1695	730	MAR	G4	44	6	462	0	NAD	48		0.0	0.191	0.0	26	23
S176	35.9928	-113.9861	S1696	729	MAR	G4	46	5	413	11	16	33		1.435	0.493	0.345	26	23
S177	35.9929	-113.9858	S1696	728	MAR	G4	46	5	431	12	20	20		1.661	1.025	0.617	26	23
S178	35.9929	-113.9854	S1697	742	MAR	G4	54	4	348	3	NAD	55		0.0	0.0	0.0	26	23
S179	35.9929	-113.9851	S1697	756	MAR	G4	44	5	377	17	7	32	MAR	0.410	0.227	0.555	26	23
S180	35.9929	-113.9848	S1698	775	MAR	G4	42	5	366	9	-2	57	NAD	0.0	0.0	0.161	26	23
S181	35.9929	-113.9845	S1697	791	MAR	G4	51	6	245	0	NAD	29	NAD	0.0	0.0	0.0	26	23
S182	35.9929	-113.9841	S1697	801	MAR	G4	53	6	271	12	18	34		1.431	0.531	0.371	26	23
S183	35.9929	-113.9839	S1698	810	MAR	G4	38	6	313	9	12	29		1.285	0.423	0.330	26	23
S184	35.9929	-113.9836	S1698	842	MAR	G4	51	6	202	6	MAR	26	NAD	0.0	0.0	0.234	26	23

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REC NO.	LAT	LONG	RESID MAG	TEPR CL	GEOL FLG	UNIT	COSH	ATH U	TOTAL COUNT	FLG TH	FLG U	FLG K	FLG	U/TH	U/K	TH K	TEMP	REF
S185	35.9929	-113.9832	S1698	856	MAR	G2	50	7	282	16	17	19	NAD	1.31	0.0	0.0	26	23
S186	35.9929	-113.9829	S1697	872	MAR	G2	44	7	253	18	20	18		1.391	0.0	0.0	26	23
S187	35.9929	-113.9826	S1698	890	MAR	G2	42	7	258	15	HAP	14		2.55	0.0	0.0	26	23
S188	35.9929	-113.9822	S1698	891	MAR	G2	46	8	272	14	NAD	15		1.00	0.0	0.0	26	23
S189	35.9930	-113.9819	S1698	897	MAR	G2	49	7	220	9	MAR	45		0.808	0.172	0.190	26	23
S190	35.9930	-113.9817	S1697	898	MAR	G2	44	7	228	17	18	23	NAD	1.034	0.0	0.0	26	23
S191	35.9930	-113.9813	S1697	900	MAR	G2	58	7	139	0	NAD	19		0.0	0.0	0.0	26	23
S192	35.9930	-113.9810	S1699	902	MAR	G2	40	7	353	21	8	34	MAR	0.368	0.0	0.0	26	23
S193	35.9930	-113.9807	S1700	907	MAR	G2	41	7	292	10	16	29	NAD	1.514	0.0	0.0	26	23



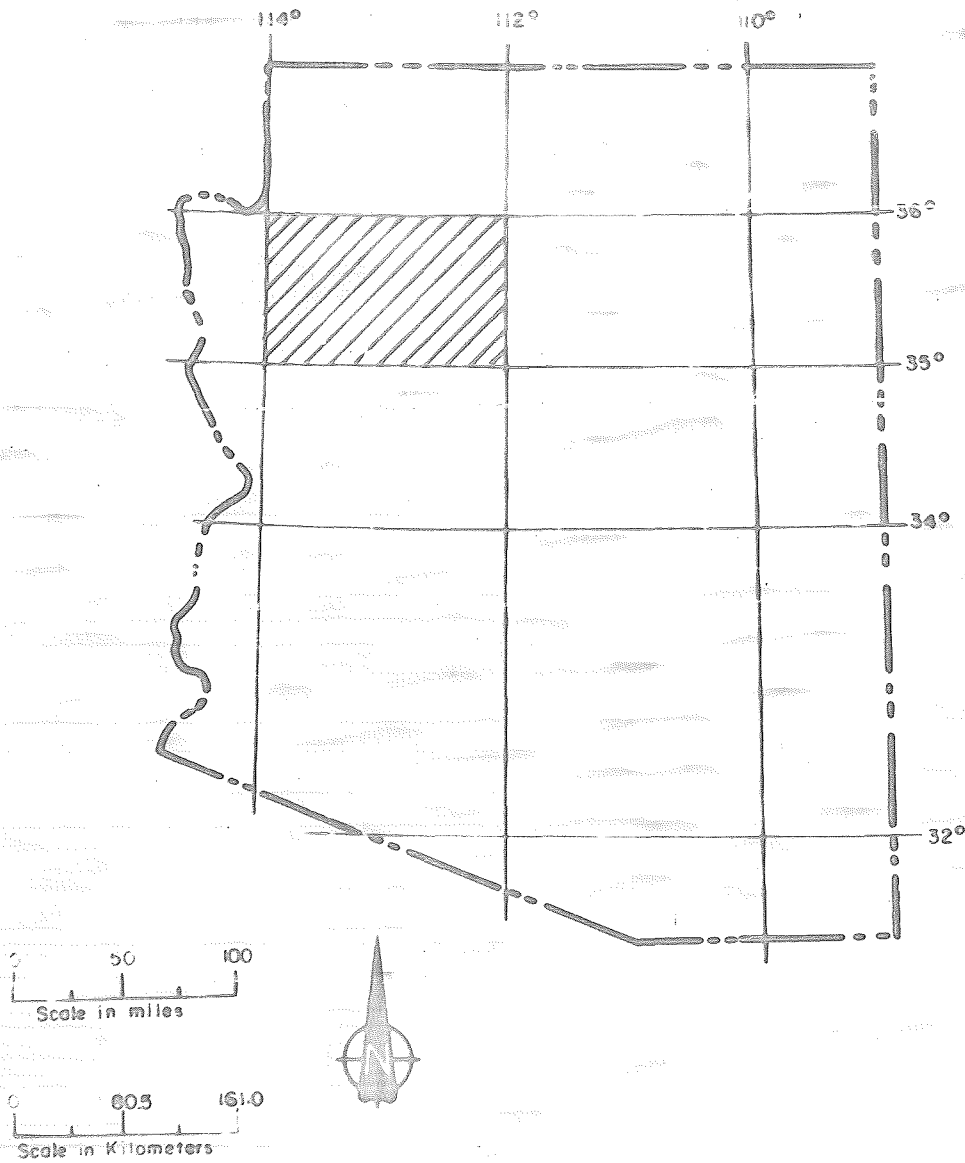


FIG. 2. Location of the Williams NTMS quadrangle.

Rocks exposed in the province are from Precambrian to Holocene age. Precambrian rocks are mostly granites and high-rank metamorphics. Lower Paleozoic rocks are marine carbonates and quartzose clastics. The upper Paleozoic consists of marginal marine clastics, continental evaporites, and quartzose feldspathic clastics. Mesozoic rocks are predominately continental quartzose feldspathic clastics and minor marginal marine sediments. Cenozoic rocks are mostly nonmarine quartzose-feldspathic tuffaceous sediment with subordinate amounts of intermediate to mafic intrusive and extrusive rocks.<sup>10</sup>

The major metamorphic units of the Colorado Plateau (Fig. 4) that occur in the Williams area are:

- Chaco Formation (upper Triassic) Shinarump Member, thin-bedded, micaceous sandstone
- Chaco Formation (lower Triassic) Shinarump Member, thin-bedded, micaceous sandstone