

3TR Reticle Ballistics 5.56

5.56mm SS109/M855 : Full Metal Jacket

	SIGHT IN DATA	FIELD DATA		POINT BLANK RANGE DATA		
MUZZLE VELOCITY (fps)	3100	3100	TARGET	SIGHT-IN	HIGH	LOW
BULLET WEIGHT (grains)	62		HEIGHT	DISTANCE	POINT	POINT
SIGHT HT ABOVE BORE (in)	1.5		(in)	(yd)	(yd)	(yd)
SIGHT IN DISTANCE (yd)	200		2	175	109	200
ALTITUDE (ft)	0	0	4	217	127	251
TEMPERATURE (deg F)	59	59	6	249	142	289
PRESSURE @ SEA LEVEL (in Hg)	29.92	29.92	8	276	156	322
PRESSURE @ ALTITUDE (in Hg)	29.92	29.92	10	300	167	350
RELATIVE HUMIDITY (pct)	0	0				
WIND VELOCITY (mph)		10				
WIND ANGLE (deg)		90	(3.0 O'Clock)			
INCLINE ANGLE (deg)		0				
MAX APPARENT TRAJECTORY (in)		1.6				
BALLISTIC COEFF	0.304					

Sight Adjustments Needed				Trajectory Values		10 MPH			Drop From	Time of
RANGE	Elevation	Windage	Tgt Lead	Elevation	Wind Drift	Tgt Lead	Velocity	Energy	Bore Line	Flight
(yd)	MOA	MOA	MOA	(in)	(in)	(in)	(fps)	(ft-lb)	(in)	(sec)
200	0.00	2.00	18.25	0.0	-4.0	38.1	2479	846	-8.4	0.2165
250	1.00	2.50	18.75	-2.8	-6.5	49.1	2336	751	-13.6	0.2788
300	2.25	3.00	19.25	-7.2	-9.6	60.7	2198	665	-20.5	0.3449
350	3.75	3.75	20.00	-13.4	-13.5	73.1	2065	587	-29.2	0.4153
400	5.25	4.25	20.50	-21.6	-18.2	86.3	1938	517	-39.9	0.4902
450	6.75	5.00	21.25	-32.2	-23.7	100.4	1815	453	-52.9	0.5702
500	8.75	5.75	22.00	-45.3	-30.2	115.4	1697	396	-68.5	0.6556
550	10.75	6.50	22.75	-61.5	-37.8	131.5	1585	346	-87.2	0.7470
600	13.00	7.50	23.75	-81.2	-46.5	148.7	1482	302	-109.3	0.8449
650	15.50	8.25	24.50	-104.8	-56.4	167.1	1385	264	-135.4	0.9495

700	18.25	9.25	25.50	-133.0	-67.6	186.8	1298	232	-166.0	1.0614
750	21.25	10.25	26.50	-166.3	-80.1	207.8	1221	205	-201.8	1.1806
800	24.50	11.25	27.50	-205.4	-93.8	230.1	1154	183	-243.4	1.3071
850	28.25	12.25	28.50	-251.1	-108.7	253.5	1099	166	-291.5	1.4404
900	32.25	13.25	29.50	-303.9	-124.8	278.1	1053	152	-346.8	1.5800
950	36.75	14.25	30.50	-364.6	-141.9	303.7	1013	141	-410.0	1.7254
1000	41.50	15.25	31.50	-433.8	-159.9	330.2	979	132	-481.6	1.8762
1050	46.50	16.25	32.50	-512.0	-178.8	357.6	948	124	-562.3	2.0320
1100	52.00	17.25	33.50	-599.9	-198.6	385.9	921	117	-652.7	2.1927
1150	58.00	18.25	34.50	-698.1	-219.1	415.0	897	111	-753.4	2.3580
1200	64.25	19.25	35.50	-807.1	-240.5	444.9	875	105	-864.8	2.5276
1250	70.75	20.00	36.25	-927.5	-262.6	475.5	853	100	-987.7	2.7016
1300	77.75	21.00	37.25	-1059.9	-285.5	506.9	833	96	-1122.6	2.8800
1350	85.25	21.75	38.25	-1204.9	-309.1	539.0	814	91	-1270.0	3.0627
1400	93.00	22.75	39.00	-1363.1	-333.5	572.0	795	87	-1430.7	3.2499
1450	101.00	23.75	40.00	-1535.1	-358.7	605.7	778	83	-1605.2	3.4415
1500	109.50	24.50	40.75	-1721.7	-384.7	640.2	761	80	-1794.2	3.6376
1550	118.50	25.25	41.50	-1923.4	-411.5	675.5	745	76	-1998.4	3.8381
1600	127.75	26.25	42.50	-2141.0	-439.1	711.6	729	73	-2218.5	4.0431
1650	137.50	27.00	43.25	-2375.2	-467.4	748.5	715	70	-2455.1	4.2526
1700	147.50	28.00	44.25	-2626.7	-496.6	786.1	701	68	-2709.1	4.4666
1750	158.00	28.75	45.00	-2896.3	-526.5	824.6	687	65	-2981.2	4.6853
1800	169.00	29.50	45.75	-3184.7	-557.3	863.9	673	62	-3272.0	4.9086
1850	180.25	30.50	46.75	-3492.8	-589.0	904.1	660	60	-3582.6	5.1369
1900	192.00	31.25	47.50	-3821.5	-621.5	945.1	648	58	-3913.8	5.3700
1950	204.25	32.00	48.25	-4171.6	-654.9	987.1	635	56	-4266.3	5.6083
2000	217.00	33.00	49.25	-4544.1	-689.3	1029.9	623	53	-4641.3	5.8518
2050	230.00	33.75	50.00	-4940.0	-724.6	1073.7	612	51	-5039.7	6.1006
2100	243.75	34.50	50.75	-5360.4	-760.8	1118.5	600	50	-5462.5	6.3549
2150	258.00	35.50	51.75	-5806.2	-798.0	1164.2	589	48	-5910.9	6.6148
2200	272.50	36.25	52.50	-6278.8	-836.3	1211.0	579	46	-6385.9	6.8805