Perceived Pitch Speed

Radar Reading	PD = 46’	PD = 50’	PD = 54’	PD = 60’ 6”
50	66	61	56	50
51	67	62	57	51
52	69	63	58	52
53	70	64	59	53
54	71	65	60	54
55	73	67	62	55
56	74	68	63	56
57	75	69	64	57
58	77	70	65	58
59	78	71	66	59
60	79	73	68	60
61	81	74	69	61
62	82	75	70	62
63	83	76	71	63
64	85	77	72	64
65	86	79	73	65
66	87	80	74	66
67	88	81	75	67
68	90	82	76	68
69	91	83	77	69
70	92	85	78	70
71	94	86	80	71
72	95	87	81	72
73	96	88	82	73
74	98	90	83	74
75	99	91	84	75
76	100	92	85	76
77	102	93	86	77
78	103	94	87	78
79	104	96	88	79
80	105	97	90	80

PD = Pitching Mound Distance

9-10u = 46’
11-12u = 50’
13u = 54’
14u+ = 60’ 6”

Notes:

- “Perceived Pitch Speed” is what the pitch speed would “feel like” to the batter if it was thrown from the full distance of 60’ 6”.
- To get a more accurate reading, figure out the distance from the pitchers release point to home plate and use that for the “Youth Distance” number in the equation.
- Numbers seen are rounded up or down for simplicity.
- The same formula can be used to calculate exit velocity, the speed a batted ball would be to reach the pitchers mound.

Formula

$$\text{Perceived Pitch Speed} = \text{Actual Pitch Speed} \times \frac{\text{MLB Distance}}{\text{Youth Distance}}$$

BASEBALL DUDES