

SEISMIC WAVE VELOCITY DISTRIBUTION

Earth Interior Velocity Profile (Primary & Secondary Waves)

Station ID: SEIS-9920-X
Location: 34.0522 N, 118.2437 W
Date: 2023-10-27

LAYER DESIGNATION	DEPTH RANGE (KM)	P-WAVE (VP KM/S)	S-WAVE (VS KM/S)	DENSITY (G/CMÂ³)
Upper Crust	0 - 20	5.8 - 6.2	3.2 - 3.6	2.7
Lower Crust	20 - 35	6.6 - 7.2	3.7 - 4.0	3.0
Upper Mantle	35 - 410	8.0 - 9.0	4.4 - 4.8	3.4
Transition Zone	410 - 660	9.0 - 10.5	4.8 - 5.5	4.0
Lower Mantle	660 - 2890	10.7 - 13.7	5.9 - 7.3	5.0
Outer Core	2890 - 5150	8.1 - 10.3	0.0 (Liquid)	11.0

P-Wave Velocity Trend Phase Change (Discontinuity)
Confidential Geophysical Data - Internal Reference Only - Standard Model PREM