

Supplemental Material (Online Only)

Supplementary Table: Geometry of radar surfaces, external form of radar packages and configuration of radar reflections (shape, dip, relationship, continuity)

Radar Zone	Package Number	Package upper boundary	Package lower boundary	Package external form	Shape of reflections	Dip	Relationship among reflections	Continuity of reflections
Z4	19	concordant	onlap, local downlap	sheet drape	wavy	2 to 8 degrees	oblique to subparallel	continuous to moderately continuous
Z4	18	concordant	concordant	lens	wavy	2 to 7 degrees	subparallel	moderately continuous
Z4	17	toplap to concordant	concordant to downlap	lens	sigmoidal	2 to 7 degrees	subparallel	moderately continuous
Z3	16	toplap to concordant	concordant to downlap	lens	sigmoidal	2 to 7 degrees	subparallel to oblique	moderately continuous
Z3	15	concordant to toplap	concordant	sheet drape	wavy	2 to 5 degrees	parallel to tangential	moderately continuous
Z3	14	concordant	concordant	lens	wavy	1 to 5 degrees	subparallel	moderately continuous
Z3	13	concordant	downlap	lens	wavy	1 to 5 degrees	subparallel	moderately to discontinuous
Z3	12	concordant	onlap to concordant	sheet drape	wavy	0 to 8 degrees	subparallel	moderately continuous
Z3	11	concordant	concordant	sheet drape	wavy	2 to 5 degrees	subparallel	continuous to moderately continuous
Z2	10	concordant	onlap to downlap	lens	wavy to sigmoidal	0 to 8 degrees	subparallel	discontinuous
Z2	9	concordant to truncated	concordant	lens	wavy	0 to 4 degrees	subparallel	moderately continuous
Z2	8	concordant	concordant to downlap	lens	wavy	horizontal	subparallel	moderately to discontinuous
Z2	7	truncated	concordant	sheet	wavy	2 to 12 degrees	subparallel	continuous to moderately continuous
Z2	6	concordant	concordant to downlap	sheet	wavy	1 to 4 degrees	subparallel	moderately continuous
Z1	5	concordant to toplap	onlap to downlap	trough	sigmoidal	1 to 5 degrees	tangential	moderately continuous
Z1	4b	toplap to concordant	concordant	sheet drape	wavy	0 to 6 degrees	subparallel	continuous to moderately continuous
Z1	4a	toplap to truncated	concordant	sheet	wavy	1 to 6 degrees	subparallel	continuous to moderately continuous
Z1	3	toplap to concordant	onlap to concordant	wedge	wavy	2 to 8 degrees	subparallel	discontinuous
Z1	2	concordant to truncated	onlap	lens	wavy	2 to 6 degrees	subparallel	continuous to moderately continuous
Z1	1	concordant	onlap to downlap	lens	convex	0 to 4 degrees	subparallel	discontinuous

Radar packages are numbered in accord with stratigraphic superposition and organized by radar zones, as in Figure 4.





