

ARIEL Target Hall Overhead Crane Measurements

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Participants: Michael Vogel (Mechanical Technician - Beamlines)
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 Jason Kapalka (Mechanical Engineer - ARIEL Remote Handling)

Device: Leica Disto D330i

Accuracy: ± 1/16" (± 1.6 mm)

Distances Between B1 Target Hall Floor and Overhead Crane (mm)	Vault Location	HC Location	Average
Bottom Face of Main Hoist Rotation Plate (Westside) @ Upper Stop Limit	7487	7488	7488
Bottom Face of Main Hoist Rotation Plate (Eastside) @ Upper Stop Limit			
Bottom Face of Main Hoist Rotation Plate (Average) @ Upper Stop Limit			
Bottom Face of Girder (North)	7060	7061	7061
Bottom Face of Girder (South)	7057	7058	7058
Bottom Face of Girder (Average)	7059	7060	7059
Bottom Face of Main Hoist Rotation Plate (Westside) @ Upper Slow Limit	7345		
Bottom Face of Main Hoist Rotation Plate (Eastside) @ Upper Slow Limit	7348		
Bottom Face of Main Hoist Rotation Plate (Average) @ Upper Slow Limit	7347		

Distances Between Target Pit Floor and Overhead Crane (mm)	APTW	AETE	Average
Bottom Face of Main Hoist Rotation Plate (Westside) @ Upper Stop Limit	13271	13262	13267
Bottom Face of Main Hoist Rotation Plate (Eastside) @ Upper Stop Limit			
Bottom Face of Main Hoist Rotation Plate (Average) @ Upper Stop Limit			
Bottom Face of Girder (North)	12844	12839	12842
Bottom Face of Girder (South)	12841	12836	12839
Bottom Face of Girder (Average)	12843	12838	12840
Bottom Face of Main Hoist Rotation Plate (Westside) @ Upper Slow Limit			
Bottom Face of Main Hoist Rotation Plate (Eastside) @ Upper Slow Limit			
Bottom Face of Main Hoist Rotation Plate (Average) @ Upper Slow Limit			
Bottom Face of Main Hoist Rotation Plate (Westside) @ Lower Stop Limit	962		
Bottom Face of Main Hoist Rotation Plate (Eastside) @ Lower Stop Limit	965		
Bottom Face of Main Hoist Rotation Plate (Average) @ Lower Stop Limit	964		