

Method	Manual Tracking	Thre + 2D Tracking	SLIC + 2D Tracking	SLIC +
Database Frames	1,000	4,000	4,000	2
Database Markers	5,000	20,000	20,000	13
Average Time per Trial	8,700 \pm 2300	108 \pm 12	118 \pm 14	14
Bad Marker Frames	-	800	800	1
Total Bad Markers	-	800	800	1
Correct Tracked	-	23	127	1
Percentage	100	2.88	15.87	8
Missing Start	100	400	400	3
Total Markers	500	2,000	2,000	1
Correct Tracked	500	35	59	
Percentage	100	1.75	2.95	1
Partitially Occluded	30	250	250	4
Total Markers	150	1,250	1,250	2
Correct Tracked	150	10	217	2
Percentage	100	0.8	17.36	9
Occluded	50	300	300	3
Total Markers	250	1,500	1,500	2
Correct Tracked	250	10	217	2
Percentage	100	0.67	14.47	8
Perfect Consecutive	450	1,300	1,300	8
Total Markers	2,250	6,500	6,500	4
Correct Tracked	2,250	6,377	6,494	4
Percentage	100	98.11	99.90	9
Total Frames	900	3,600	3,600	2
Total Markers	4,500	18,000	18,000	10
Correct Tracked	4,500	10,891	14,237	10
Percentage	100	60.50	79.09	9