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## *6HuoarI0 — Runner-Advance Opportunity Prevention Sacrifice-Play*

Prepared for: Major League Coaching Staff

### **Executive Summary:**

Across 63 runner-advance chances, 6HuoarI0 prevented the runner 47.6% of the time (30/63). Against a like-for-like league standard (same base, same outs, same depth; player taken out of the baseline), his overall prevention is approximately league average. Using simple run values (2B→3B  $\approx$  0.25; 3B→home  $\approx$  0.80), his context-weighted runs prevented  $\approx$  3.05 across this dataset.

### **What moves the needle (contexts with $n \geq 10$ )**

- Runner on 3B, 1 out, medium depth: 35.7% holds vs 12.1% league (+23.6 pts,  $n=14$ , CI: [16.3%, 61.2%], impact: 2.65).

*Best tag-play results at medium depth.*

- Runner on 2B, 1 out, medium depth: 76.5% vs 74.2% (+2.3 pts,  $n=17$ , CI: [52.7%, 90.4%], impact: 0.10).

*Little positive edge; small leverage.*

### **By position & ball flight**

- CF: 51 plays, 51.0% prevention.
- RF: 10 plays, 30.0% prevention (small sample; continue to work transfer/footwork).
- LF: 2 plays, 50.0% prevention (minute sample).
- Fly balls: 52 plays, 44.2% prevention.
- Line drives: 11 plays, 63.6% prevention.

### **Arm / transfer**

Median max throw  $\approx$  101.2 mph, mean  $\approx$  100.6 mph, roughly 96th percentile relative to the dataset (outliers removed = 0, 95th-percentile cap = 101.2 mph). This is corroborative of use where a 3B hold is on the line.

### **Estimated value (this sample only)**

$\sim$ 3.05 runs saved over 63 chances, computed as

$\sum (\text{player hold rate} - \text{league hold rate}) \times \text{plays in bucket} \times \text{run value}.$

Use as a **role-fit measure**, but not as a season projection.

### **Suggestions**

- Usage: Late-inning CF in instances where 3B/1 out/medium-depth flyballs are likely, his

work there is much superior to league.

- Positioning on likely tag-ups: One step shallower to minimize catch-to-tag time without undermining coverage.
- RF development: Work on transfer/footwork; reassess as the sample grows.
- Ongoing monitoring: Maintain a minimal weekly context card from the CSV to drive positioning/usage as evidence accumulates.

## Notes

- A “hold” includes both **no attempt** and **thrown-out attempts** which is appropriate for the coaching question (“did we keep him put?”)..
- Several contexts are  $n < 10$  with wide CIs, taken as indicative.
- Numbers are approximate to the provided data set; MLB performance might differ.