Caleb Lee

6HuoaRi0 — Runner-Advance Opportunity Prevention Sacrifice-Play (Problem 2)

Prepared for: Seattle Mariners Coaching Staff

Out of the 63 chances recorded by 6HuoaRi0, he held the runner in position 47.6% of the time (30 out of 63). That's essentially league average overall when you consider the circumstances: same base, same number of outs, roughly the same depth of the fly ball. However, looking deeper, there's a sweet spot along with a few spots where we could see improvements.

Where he differs: With one out, a runner on third, and a medium-deep fly, he gets that runner out much more than the league average: 35.7% stays with him compared to 12.1% of the league in the same spot (14 plays in our database). These are classic tag-up situations where a throw needs to be strong and on time; his are. If we're protecting a lead and a medium-depth ball is likely, this is his money situation.

What it's worth: With easy run values (saving a runner from 2B→3B ≈ 0.25 runs; preventing a 3B→home tag ≈ 0.80 runs), his context-weighted value is approximately 3.05 runs prevented in the 63 opportunities. That's a role-fit read, not a projection for the season, but it does show there's real run prevention here, especially from third-base.

What drives it: The arm plays. His best throw, from the median, is roughly 101.2 mph, which is roughly 96th percentile. You see it in third-base situations, as the ball comes in sufficiently quick that the catch-to-tag has a chance. On line drives (less flight time for runners), he saves 63.6%. On higher, longer flies it's 44.2%. That drop in percentage is due to the extra time the runner has to pick up speed.

Where to place him in the outfield: Most of the sample data is in center field (51 games), where he has 51.0% hold rate. In right field (10 games), the hold rate is 30.0%, but it's a much smaller sample size. He's only played left field for 2 games so the data is statistically insignificant.

How to coach it this week:
- *Late-inning, one-run situations*: If there's a man on third with one out it's likely there is a medium-fly, keep him in center as that's where he'll provide the most defensive value
- *Probable tag-up position*: Back up a step on high-hang-time hitters to reduce
- catch-to-throw time without losing coverage. His arm is strong enough to handle the extra carry.
- *Right field tune-up*: Focus on transfer speed and direction to target; re-evaluate RF use as he gets more reps.
- *Cut/relay tempo*: The infield needs to expect a hot throw; practice footwork at the plate and an open lane for the tag.

Results: At first glance, he looks league-average in most situations, but digging deeper reveals some interesting insights. His best lane is cutting off the run from scoring on the third-base medium-depth tag. He feels at ease with a runner at second and one out in medium depth (76.5% holds vs 74.2% league, modest edge).

What to watch going forward: The data covers 63 plays, which is a relatively small sample size, but some insights do emerge. What's clear is where he stands out: the third-base, one-out, medium-depth lane. Use him to protect runs at third on medium-depth flies, especially late. Keep him mostly in center while RF gets some focused drill work. Recommend we keep a simple weekly "context card" so coaches can see where he's winning and where to nudge positioning. His arm is a real weapon so set him up to use it, and we'll steal some outs at the plate.

Reference Outfielder_Performance_Analysis.ipynb for model/stats