

# Transcriber Agreement

Nash Borges

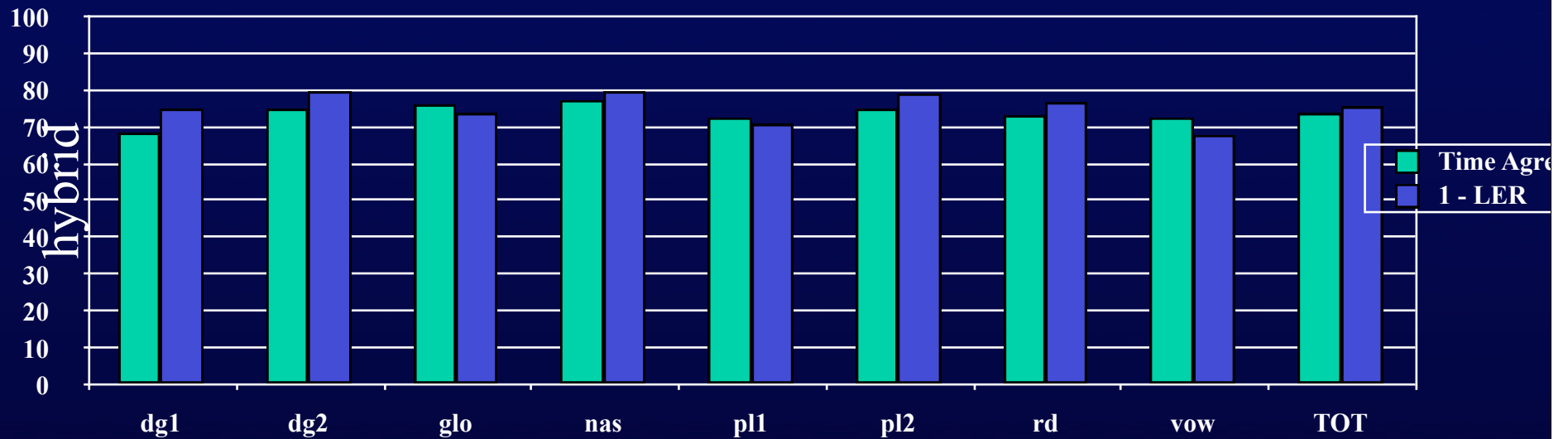
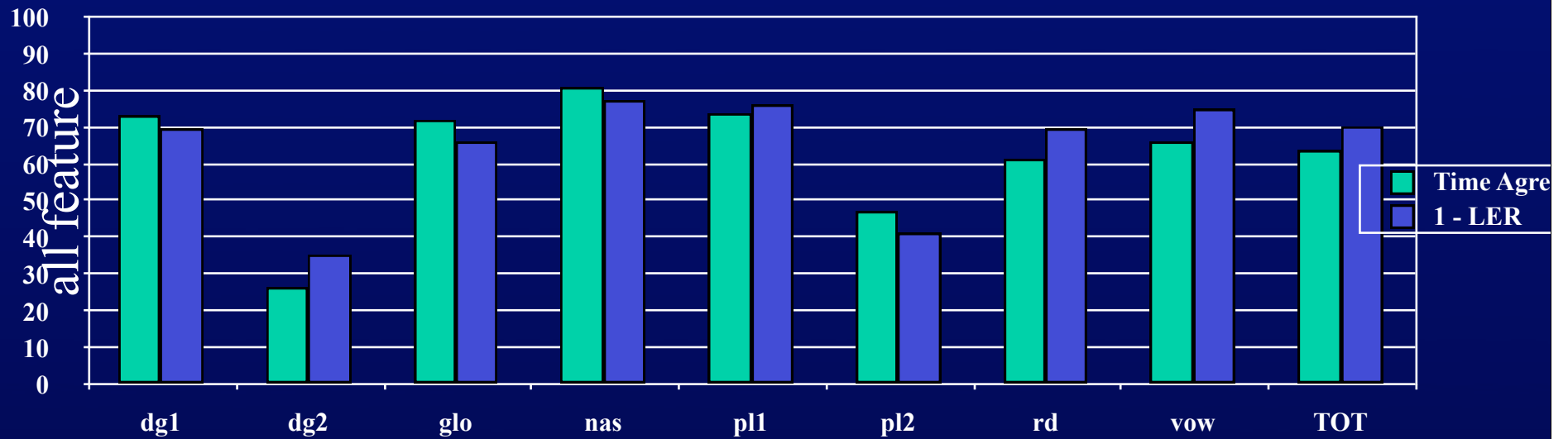
Lisa Yung

# Possible Metrics

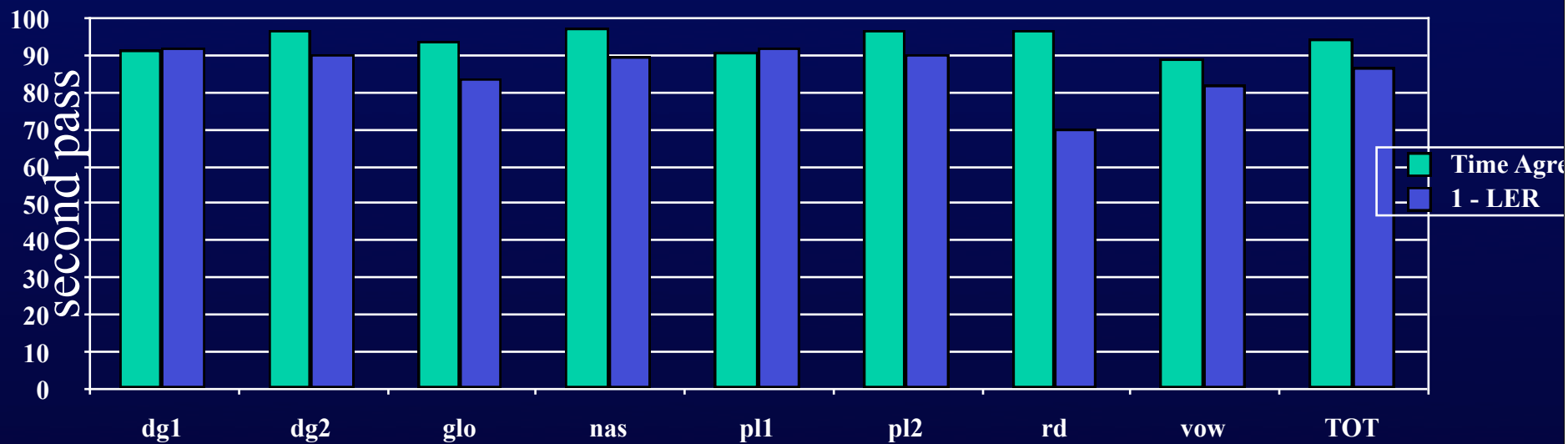
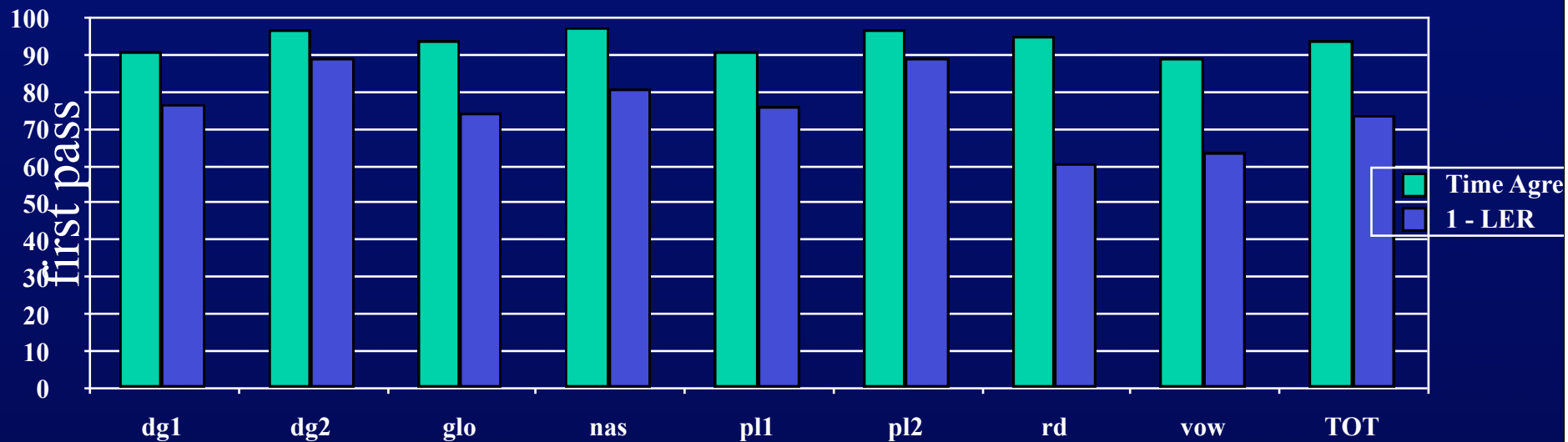
- 1 - Label Error Rate
- Time agreement
- Kappa statistic

$$\kappa = \frac{\text{Pr}(a) - \text{Pr}(ch)}{1 - \text{Pr}(ch)}$$

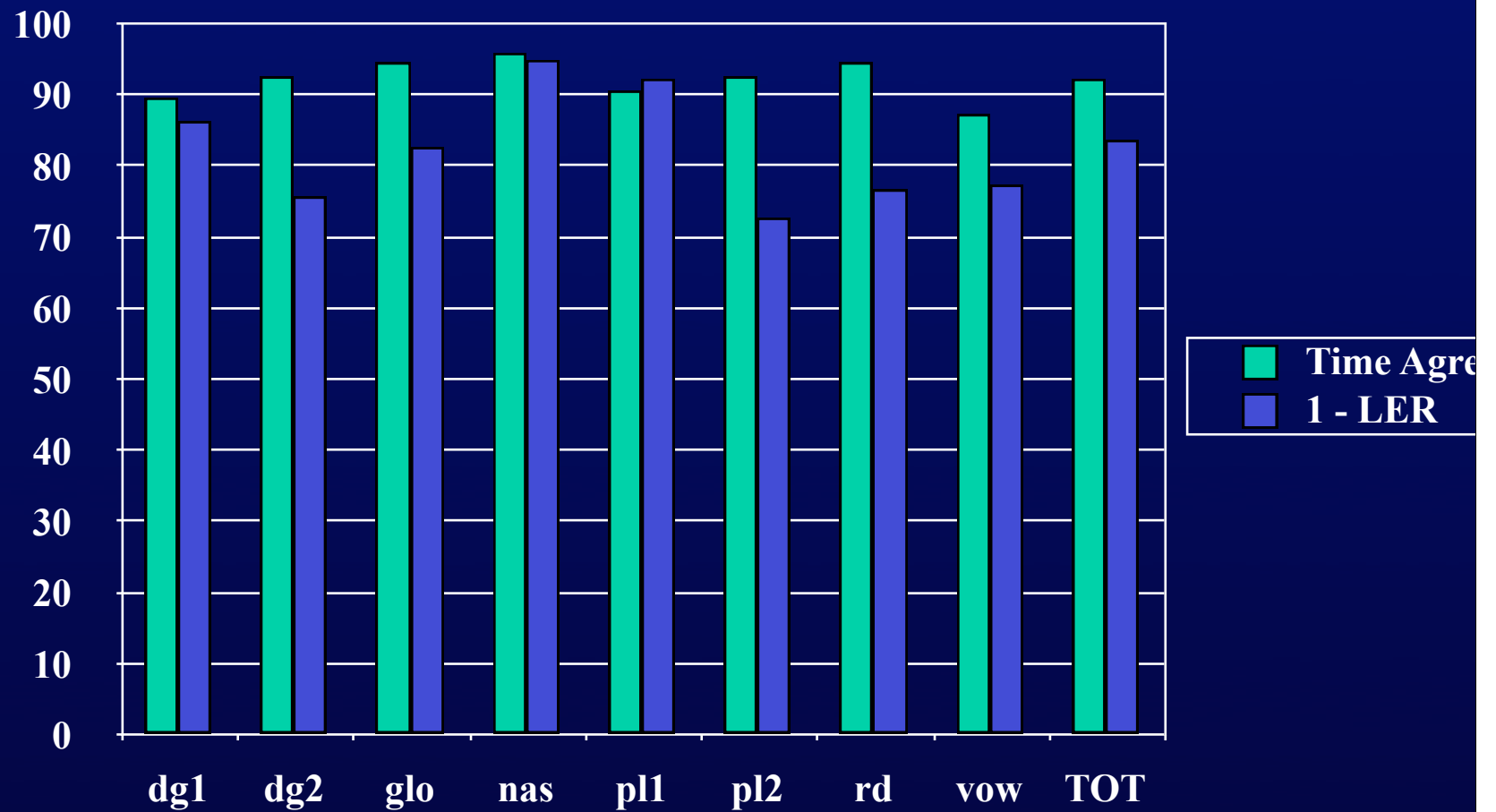
# Original



# May 14<sup>th</sup> Set



# May 28<sup>th</sup> Set - First Pass



# To Do List

- Kappa statistics
- Give either/or labels 50% agreement
- Allow for matching between two constrictions
- Agreement during regions of all-feature trans.
- Amount of time only one transcriber used feature based transcriptions
- Use cost metric to differentiate between "close" and "far" disagreements

# Distances for Cost Metric

- Place of constriction

LAB, LAB-DEN, DEN, ALV, LAT, POST-ALV,  
RHO, VEL, GLO, **NONE, SIL**

- Glottal state

ST, IRR, VOI, A+VO, ASP, VL

- Degree of constriction

VOW, APP, FLAP, FRIC, CLO, **SIL**

- Different costs for insertions/deletions?