

**NIRT Daily Wheat SRS Worksheet**

Location: \_\_\_\_\_ Serial #: \_\_\_\_\_ Date: \_\_\_\_\_

Operator: \_\_\_\_\_ Temperature: \_\_\_\_\_ R.Humidity: \_\_\_\_\_

Instrument Constants: "O" \_\_\_\_\_ "P" \_\_\_\_\_

Protein Constants: Slope 1.000 Intercept \_\_\_\_\_

Wet Gluten Constants: Slope 1.000 Intercept \_\_\_\_\_ (= protein int. x 3.029)

PROTEIN					
SRS	Value	Run 1	Difference	Repeat	Difference
1					
1					
2					
2					
3					
3					
4					
4					
5					
5					
6					
6					
Average					

Range of Differences (Maximum 0.50)



Bias  
 Calculation:

Protein Average

Minus Baseline

Today's P. Bias

Transfer range and bias results to the SRS Bias Log, calculate multi-run averages, and apply tolerances. Adjust the intercept constant for a constituent if it is out of tolerance.

**REPEAT RULES:**

1. Repeat any sample if an outlier is reported.
2. Repeat an individual SRS if the difference between the first and second analysis exceeds 0.20 percent. Record the results from the two analyses closest to each other and discard the third result.
3. Repeat any individual SRS that deviates by more than 0.40 from its target value and the range tolerances are exceeded.
4. If an individual SRS deviates from its target by more than 0.30 for five consecutive runs, contact TSD to have the SRS replaced.