LSTB December 2021 Report 2

December 13, 2021

1 GSF Sigma LS Geo TB Report December 2021

1.1 Load Data

```python
from lstb import LSTB

month = 'December 2021'

sbag_1_top = False
sbag_1_mid = True
sbag_1_bottom = False

sbag_2_top = False
sbag_2_mid = False
sbag_2_bottom = False

sbag_3_top = True
sbag_3_mid = False
sbag_3_bottom = True

sandbag = [[sbag_1_top, sbag_1_mid, sbag_1_bottom],
           [sbag_2_top, sbag_2_mid, sbag_2_bottom],
           [sbag_3_top, sbag_3_mid, sbag_3_bottom]]

lstb = LSTB(month, sandbag)
```

1.1.1 Shards and Stars

KAM shards: 29

Phase 4	Phase 3	Phase 2	Phase 1
x	3	2	2
x	X	3	3
x	1	3	3

1.2 Low Performers

1.2.1 Lowest TB Points per GP

```
[ ]: n = 10
     print(lstb.low_points_per_gp(n))
```

```
name
BabyYodaHitta       2.647
SloppySaberFlavor   2.668
EvilCoyote2011      3.069
M1TTH               3.427
Calens              3.628
Zlada14             3.985
JamesBond007        3.990
Philo Beddoe        4.116
Masajj Vemtits      4.125
Guntha Arbos        4.203
Name: pointsPerGP, dtype: float64
```

1.2.2 Lowest CM Waves Completed

```
[ ]: print(lstb.low_cm_waves(n))
```

```
name
BabyYodaHitta        4
Tel Nadda            5
M1TTH                5
Guntha Arbos        10
EvilCoyote2011      11
SloppySaberFlavor   12
Theflavorgreen      15
Masajj Vemtits      17
Maxaron Lexilon     18
Zhil Axfow          18
Name: combatMissionWavesCompleted, dtype: int64
```

1.2.3 Lowest TB Points

```
[ ]: print(lstb.low_tb_points(n))
```

```
name
BabyYodaHitta         8245306
M1TTH                15415531
SloppySaberFlavor    16163596
Tel Nadda            16385762
EvilCoyote2011       18895660
Larping Soccer Moms  19506409
JamesBond007         22925510
Calens               23078762
```

```
Theflavorgreen          23705636
Obi Won Sebroni         24553854
Name: territoryPointsContributed, dtype: int64
```

1.3 Top Performers

1.3.1 Highest TB Points per GP

```
[ ]: print(lstb.high_points_per_gp(n))
```

```
name
MarkKenoburger          8.782
Plucky Haydon           7.831
Tommyboy85              7.650
ilekkund2               7.564
Revanche Gilder         7.341
MINI Stewabob           7.230
Loadage                 7.213
JustinAlexander11       7.099
ilekkund                6.935
Agave                   6.902
Name: pointsPerGP, dtype: float64
```

1.3.2 Highest Combat Waves Completed

```
[ ]: print(lstb.high_cm_waves(n))
```

```
name
Tommyboy85              63
Plucky Haydon           63
Gryphix                 58
MarkKenoburger          57
ilekkund                57
Chaunce                 55
Elros Halfelven         54
Revanche Gilder         54
OttoVonGens             53
AKB                     52
Name: combatMissionWavesCompleted, dtype: int64
```

1.3.3 Highest TB Points

```
[ ]: print(lstb.high_tb_points(n))
```

```
name
ilekkund                51959639
Tommyboy85              50773945
Plucky Haydon           48519873
OttoVonGens             47494884
```

```
Loadage            45529109
Revanche Gilder    45428231
Gryphix            45314332
Chaunce            44304457
ShootMeow          43465731
Agave              43404527
Name: territoryPointsContributed, dtype: int64
```

1.4 Guild Performance

1.4.1 Percent of Combat Mission Points per Phase

```
[ ]: print(lstb.percent_cms())
```

```
         Ground  Ships
Phase 1  47.22%  46.0%
Phase 2   48.6%  44.0%
Phase 3  44.42%   0.0%
Phase 4  35.44%  44.0%
```

1.4.2 Percent of CM Completed by Player

```
[ ]: print(lstb.percent_cms_player('All'))
```

	P1G	P1S	P2G	P2S	P3G	P3S	P4G	P4S
name								
Masajj Vemtits	20.0	0.0	31.0	0.0	0.0	0.0	43.0	100.0
Larping Soccer Moms	0.0	0.0	48.0	0.0	29.0	0.0	13.0	0.0
Zhil Axfow	17.0	0.0	29.0	0.0	42.0	0.0	12.0	100.0
Zlada14	0.0	0.0	62.0	100.0	57.0	0.0	39.0	0.0
ONE	0.0	0.0	50.0	0.0	49.0	0.0	17.0	100.0
Guntha Arbos	8.0	0.0	19.0	0.0	12.0	0.0	13.0	0.0
BraZ	57.0	100.0	0.0	0.0	42.0	0.0	25.0	100.0
Philo Beddoe	65.0	100.0	41.0	0.0	0.0	0.0	26.0	0.0
Loadage	77.0	100.0	69.0	100.0	53.0	0.0	67.0	100.0
BabyYodaHitta	8.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0
ilekkund	70.0	100.0	68.0	0.0	92.0	0.0	68.0	100.0
Higgs	28.0	0.0	41.0	0.0	29.0	0.0	5.0	0.0
Theflavorgreen	0.0	0.0	44.0	0.0	0.0	0.0	8.0	0.0
MINI xipokemastrix	42.0	100.0	33.0	100.0	34.0	0.0	0.0	100.0
TacoPizza	53.0	0.0	38.0	100.0	75.0	0.0	35.0	100.0
ShootMeow	62.0	100.0	66.0	100.0	59.0	0.0	66.0	100.0
Neeb	42.0	0.0	33.0	0.0	24.0	0.0	25.0	0.0
Heywood Jablowme	59.0	0.0	0.0	0.0	42.0	0.0	40.0	0.0
Dark Penguin	27.0	100.0	34.0	0.0	41.0	0.0	22.0	100.0
JustinAlexander11	73.0	0.0	66.0	100.0	74.0	0.0	61.0	0.0
MarkKenoburger	77.0	0.0	66.0	100.0	92.0	0.0	65.0	100.0
Agave	79.0	100.0	69.0	100.0	54.0	0.0	43.0	100.0
Baxston Kane	59.0	0.0	72.0	100.0	34.0	0.0	17.0	0.0

```
Sultan2309          47.0    0.0    47.0    0.0   50.0  0.0   39.0    0.0
Tel Nadda            8.0    0.0    19.0    0.0    7.0  0.0    0.0    0.0
JamesBond007        34.0  100.0    44.0    0.0   32.0  0.0    0.0    0.0
Elros Halfelven     85.0  100.0    88.0  100.0   57.0  0.0   57.0    0.0
Calens              70.0    0.0    38.0    0.0    0.0  0.0   26.0    0.0
joker                0.0    0.0    41.0    0.0   49.0  0.0   22.0    0.0
Obi Won Sebroni     43.0    0.0    29.0    0.0   29.0  0.0   30.0    0.0
AKB                 92.0  100.0    86.0  100.0   92.0  0.0   26.0    0.0
Revanche Gilder     82.0    0.0    94.0  100.0   67.0  0.0   56.0  100.0
Wil043              65.0    0.0    49.0    0.0   50.0  0.0   43.0    0.0
Argarax             68.0  100.0   100.0  100.0   50.0  0.0   17.0  100.0
MINI Stewabob       51.0  100.0    55.0  100.0   42.0  0.0   37.0    0.0
Gryphix             56.0  100.0    86.0  100.0   84.0  0.0   80.0  100.0
Wolfman314          55.0  100.0     0.0    0.0    0.0  0.0   48.0  100.0
Plucky Haydon       94.0  100.0    82.0  100.0   92.0  0.0   62.0  100.0
Flywire             94.0  100.0    62.0    0.0   50.0  0.0   56.0  100.0
Promethean          42.0    0.0    72.0    0.0   79.0  0.0   55.0    0.0
Tommyboy85          88.0  100.0    77.0  100.0   92.0  0.0   80.0  100.0
wamakima5004        64.0  100.0    60.0  100.0   66.0  0.0   47.0  100.0
Exeel               53.0  100.0    72.0    0.0   25.0  0.0   26.0    0.0
OttoVonGens         94.0  100.0    94.0  100.0   42.0  0.0   68.0    0.0
EvilCoyote2011       0.0    0.0    25.0    0.0   17.0  0.0    0.0    0.0
ilekkund2           55.0  100.0    24.0    0.0   71.0  0.0   80.0  100.0
M1TTH               11.0  100.0     0.0  100.0    0.0  0.0    5.0  100.0
Maxaron Lexilon      0.0    0.0    11.0  100.0   24.0  0.0   22.0    0.0
Chaunce             87.0    0.0    49.0  100.0   79.0  0.0   80.0    0.0
SloppySaberFlavor    0.0    0.0    47.0    0.0   24.0  0.0    0.0    0.0
```

1.4.3   Average TB Points per GP

```python
print(lstb.avg_points_per_gp())
```

```
5.548
```

1.4.4   Guild TB Points and TB Points per GP

```python
print(lstb.player_summary())
```

```
                 territoryPointsContributed   pointsPerGP
name
ilekkund                           51959639         6.935
Tommyboy85                         50773945         7.650
Plucky Haydon                      48519873         7.831
OttoVonGens                        47494884         6.557
Loadage                            45529109         7.213
Revanche Gilder                    45428231         7.341
Gryphix                            45314332         6.599
Chaunce                            44304457         6.662
```

```
ShootMeow                    43465731        6.517
Agave                        43404527        6.902
JustinAlexander11            42881941        7.099
Elros Halfelven              42226086        6.649
MarkKenoburger               40521027        8.782
AKB                          40211161        6.581
ilekkund2                    39539725        7.564
Argarax                      38040178        6.668
wamakima5004                 37491723        5.993
Flywire                      36981678        6.531
Promethean                   36721794        6.404
Baxston Kane                 34378918        5.030
Sultan2309                   32114857        6.475
ONE                          31947145        4.895
Wil043                       31906352        5.707
Heywood Jablowme             31157460        4.297
TacoPizza                    30526187        5.628
Neeb                         29695910        5.007
Exeel                        29468220        4.430
Zhil Axfow                   28669769        4.445
Higgs                        28496173        5.015
Maxaron Lexilon              28240588        4.210
joker                        27959568        5.247
BraZ                         27591008        5.023
Dark Penguin                 27095320        6.116
Wolfman314                   27049799        4.245
Guntha Arbos                 26930555        4.203
MINI Stewabob                26916091        7.230
MINI xipokemastrix           26699100        6.011
Masajj Vemtits               25119045        4.125
Philo Beddoe                 24850410        4.116
Zlada14                      24714945        3.985
Obi Won Sebroni              24553854        5.839
Theflavorgreen               23705636        4.244
Calens                       23078762        3.628
JamesBond007                 22925510        3.990
Larping Soccer Moms          19506409        5.482
EvilCoyote2011               18895660        3.069
Tel Nadda                    16385762        4.463
SloppySaberFlavor            16163596        2.668
M1TTH                        15415531        3.427
BabyYodaHitta                 8245306        2.647
```

1.5 Save Records

```
[ ]: lstb.save_records()
```

1.6 CM Waves over Time

```
lstb.cm_wave_plot(10)
```