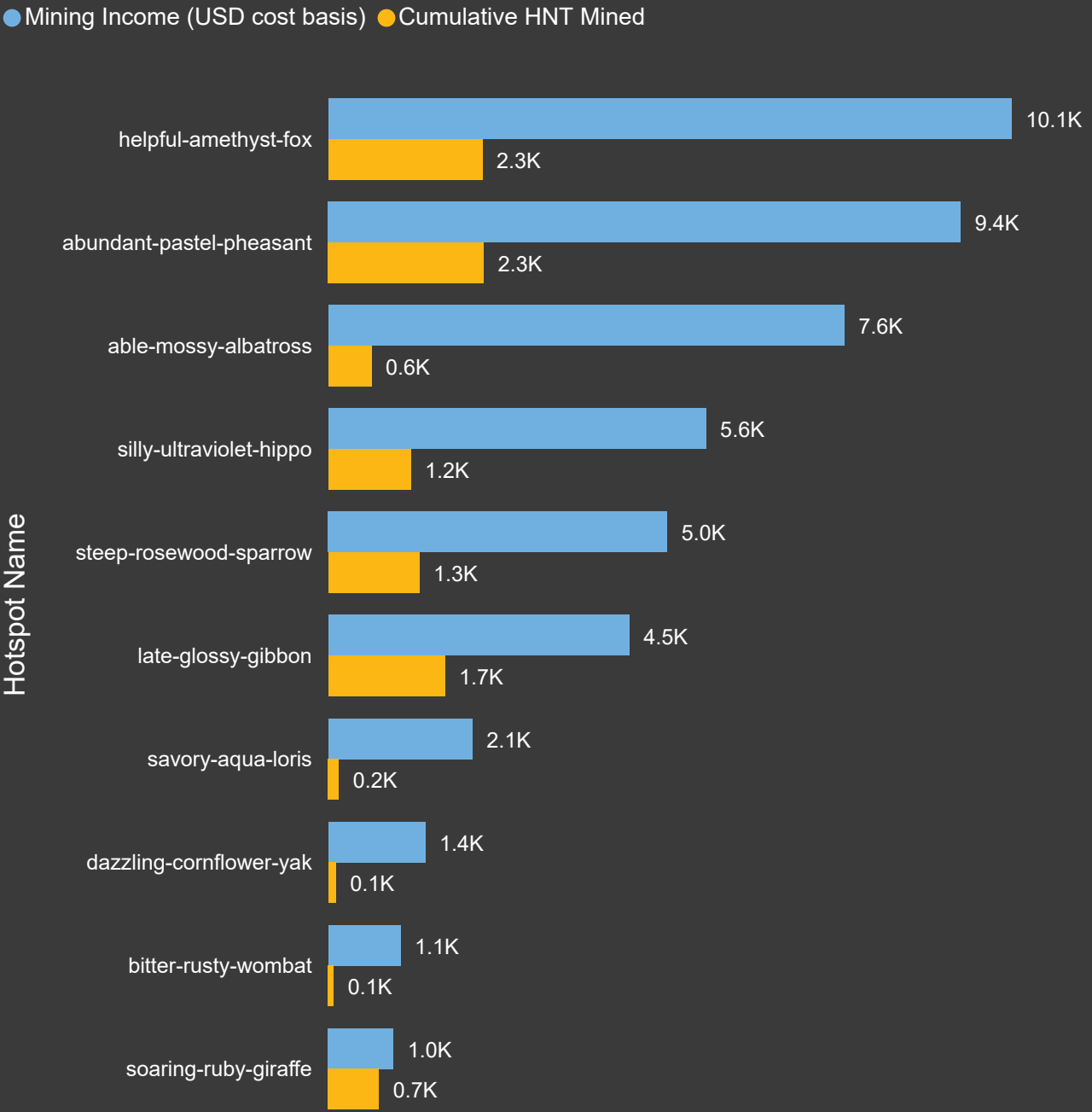# Helium Hotspot Fleet - Performance Summary
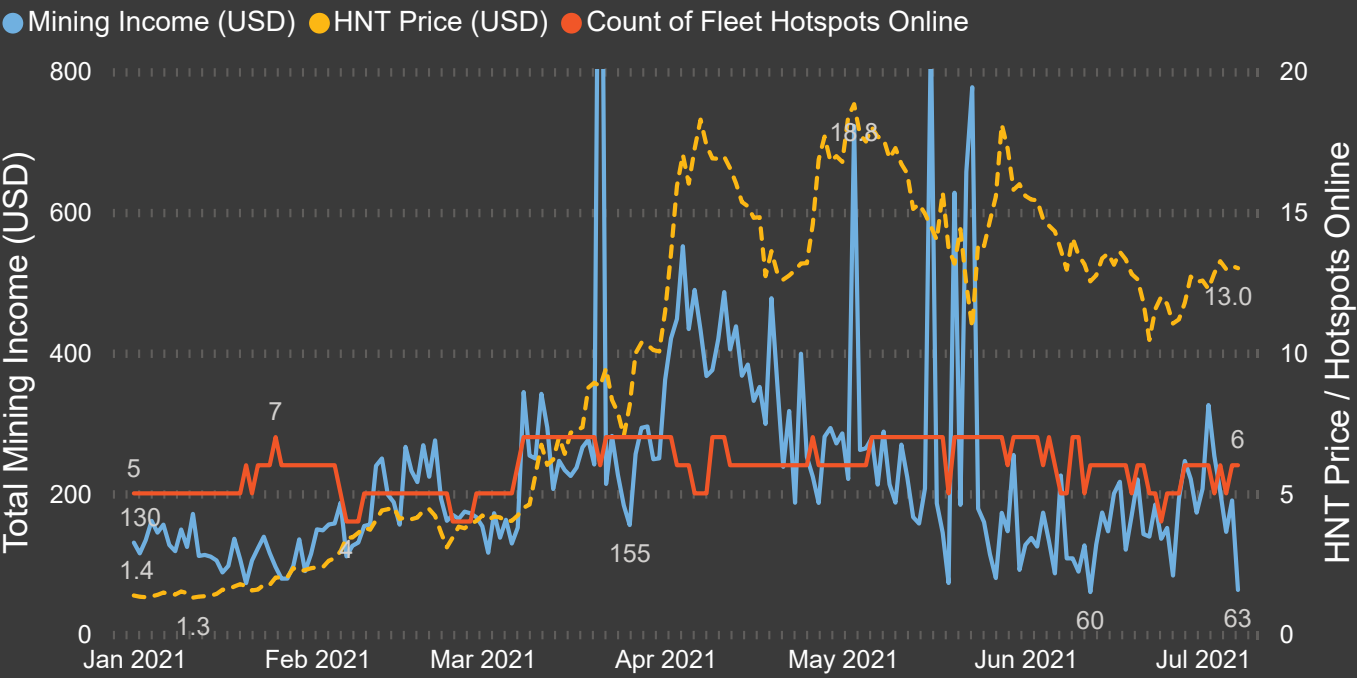
All Time Hotspot Income

● Mining Income (USD cost basis) ● Cumulative HNT Mined

Hotspot Name

Hotspot Name	Mining Income	Cumulative HNT Mined
helpful-amethyst-fox	10.1K	2.3K
abundant-pastel-pheasant	9.4K	2.3K
able-mossy-albatross	7.6K	0.6K
silly-ultraviolet-hippo	5.6K	1.2K
steep-rosewood-sparrow	5.0K	1.3K
late-glossy-gibbon	4.5K	1.7K
savory-aqua-loris	2.1K	0.2K
dazzling-cornflower-yak	1.4K	0.1K
bitter-rusty-wombat	1.1K	0.1K
soaring-ruby-giraffe	1.0K	0.7K

HNT Mined - Past 7 days

3
9 (8.72%) (3.18%)
7 (6.24%)
21 (19.32%)
13 (12.19%)
7 (6.41%)
26 (24.12%)
21 (19.82%)

name
- ● able-mossy-albatross
- ● abundant-pastel-pheasant
- ● bitter-rusty-wombat
- ● dazzling-cornflower-yak
- ● helpful-amethyst-fox
- ● late-glossy-gibbon
- ● savory-aqua-loris
- ● steep-rosewood-sparrow

Fleet Mining Income (USD)

● Mining Income (USD) ● HNT Price (USD) ● Count of Fleet Hotspots Online

Total Mining Income (USD) — **HNT Price / Hotspots Online**

800 / 20
600 / 15
400 / 10
200 / 5
0 / 0

5
7
130
1.4
4
155
1.3
18.8
60
13.0
6
63

Jan 2021 Feb 2021 Mar 2021 Apr 2021 May 2021 Jun 2021 Jul 2021

Helium Hotspot Fleet - Detailed Performance Comparison

Hotspot Fleet Reward Dominance

name ● able-m... ● abunda... ● bitter-ru... ● dazzlin... ● helpful-... ● late-glo... ● savory-... ● silly-ultr... ▷

Fleet Reward Dominance

	2020 Septe...	2020 October	2020 Nove...	2020 Dece...	2021 January	2021 February	2021 March	2021 April	2021 May	2021 June	2021 July
			17.1%	16.1%	13.9%	13.3%	14.3%	11.4%	5.4%	5.4%	3.2%
			6.1%	13.7%	11.8%	17.3%	14.3%	14.3%	8.3%	4.0%	8.7%
			33.9%	23.6%	24.8%	8.8%	5.4%	4.5%	8.9%	15.1%	6.2%
						29.7%	25.2%	4.9%	7.7%	20.2%	24.1%
			15.5%	23.9%	23.6%			24.0%	10.5%	8.6%	19.8%
								3.7%	7.5%	4.0%	6.4%
			26.1%	22.5%	24.5%	30.5%	22.2%	22.3%	3.5%	7.6%	12.2%
							16.5%	13.4%	12.5%	33.0%	19.3%
									35.6%		

Daily Hotspot Fleet Rewards

able-mossy-albatross
HNT: 2.8 5.8 7.2 3.2 6.0 0.6 7.1 4.5 2.7 5.9 3.5 0.9 3.8 4.7 1.6

bitter-rusty-wombat
HNT: 0.3 1.3 0.0 0.3 0.8 0.8 2.4 1.5 0.3

dazzling-cornflower-yak
HNT: 2.7 0.6 3.3 0.7 2.4 2.0 2.8 3.0 6.5 0.3 0.9

helpful-amethyst-fox
HNT: 2.0 2.4 2.8 8.8 2.2 5.0 4.4 6.0 6.6 2.7 5.5 0.6

late-glossy-gibbon
HNT: 0.1 0.2 0.5 0.3 0.3 0.1 1.8E-6 1.8 0.3 1.0

savory-aqua-loris
HNT: 0.1 2.5 0.4 1.2 4.7 1.5 4.7 0.1 3.7 1.6 1.4 2.0 0.1

Jun 20   Jun 27   Jul 04
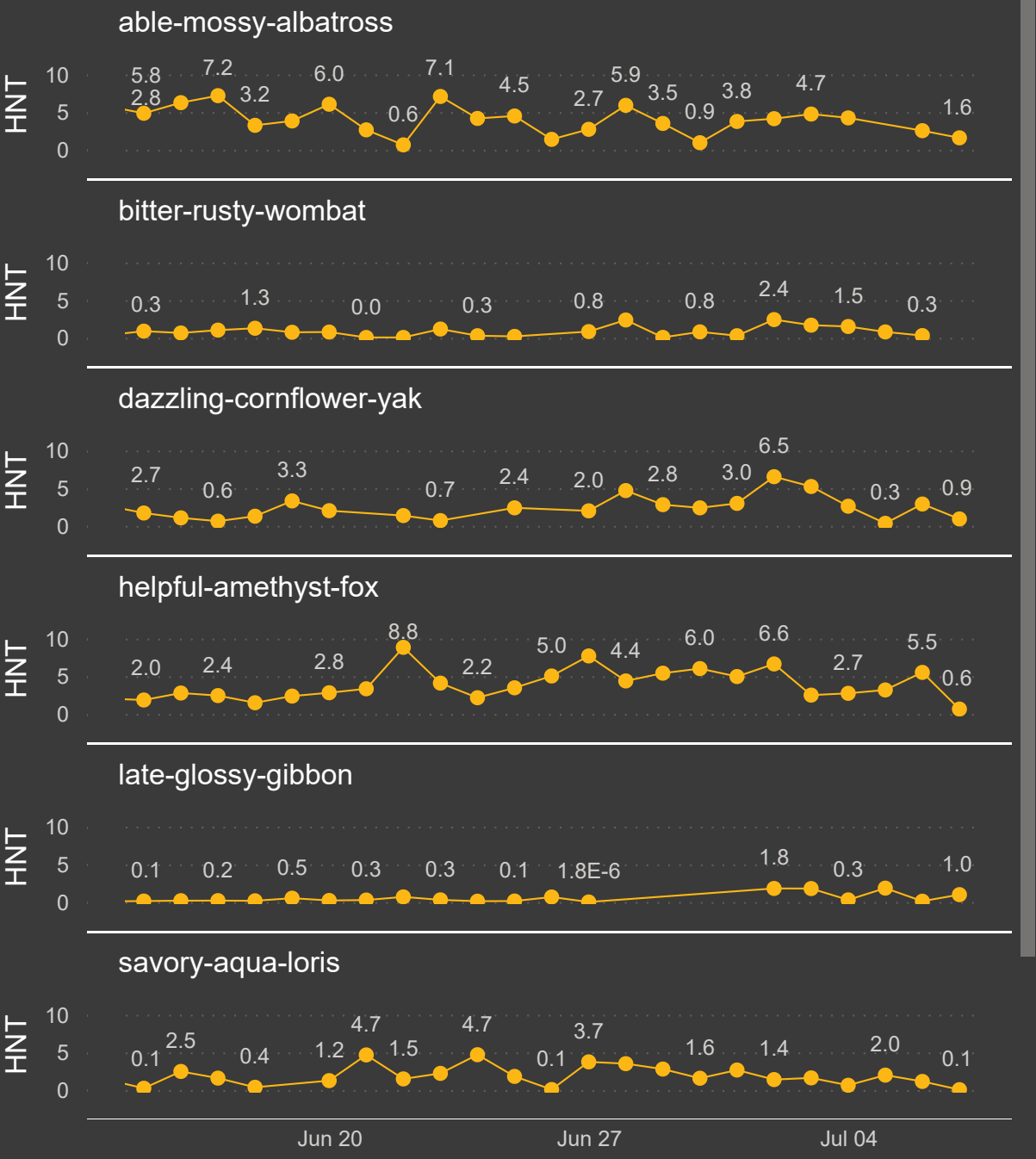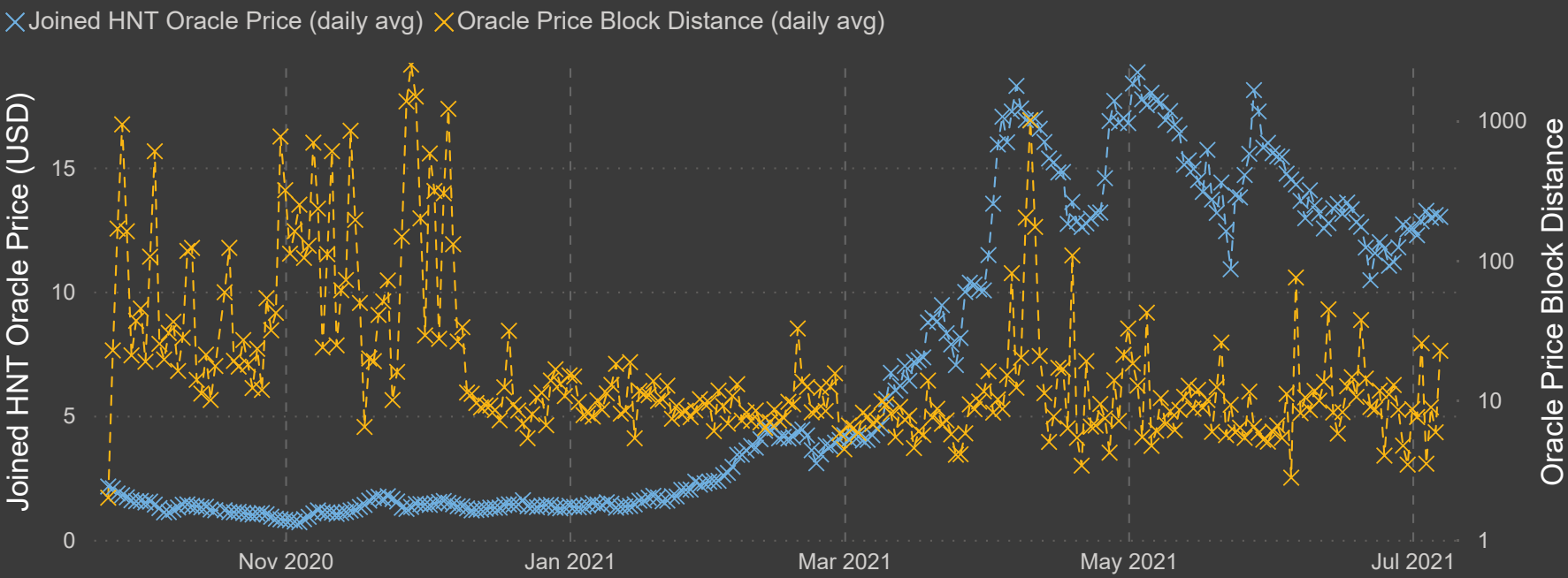
Oracle Price Join QC Analysis (join mining reward txn to closest oracle price by block)

Joined HNT Oracle Prices and Oracle Price Block Distance (b/w mining reward and closest price)

✕ Joined HNT Oracle Price (daily avg) ✕ Oracle Price Block Distance (daily avg)

Comments

- overall it appears the prices were joined as expect

- the largest spike in block distance (top left) occurred on Nov 27-29 where the oracle network didn't see a single update (bottom left)

- Dec 10 sees a significant drop in block distance, same day HIP 17 launched (more analysis required to further explain the drop)

- According to the Helium Blockchain Explorer current avg block time is ~1.1 min, therefore:

    - **median** oracle price block distance is **7 blocks** or **~8 min**

    - **90%** percentile oracle price block distance is **40 blocks** or **~44 min**

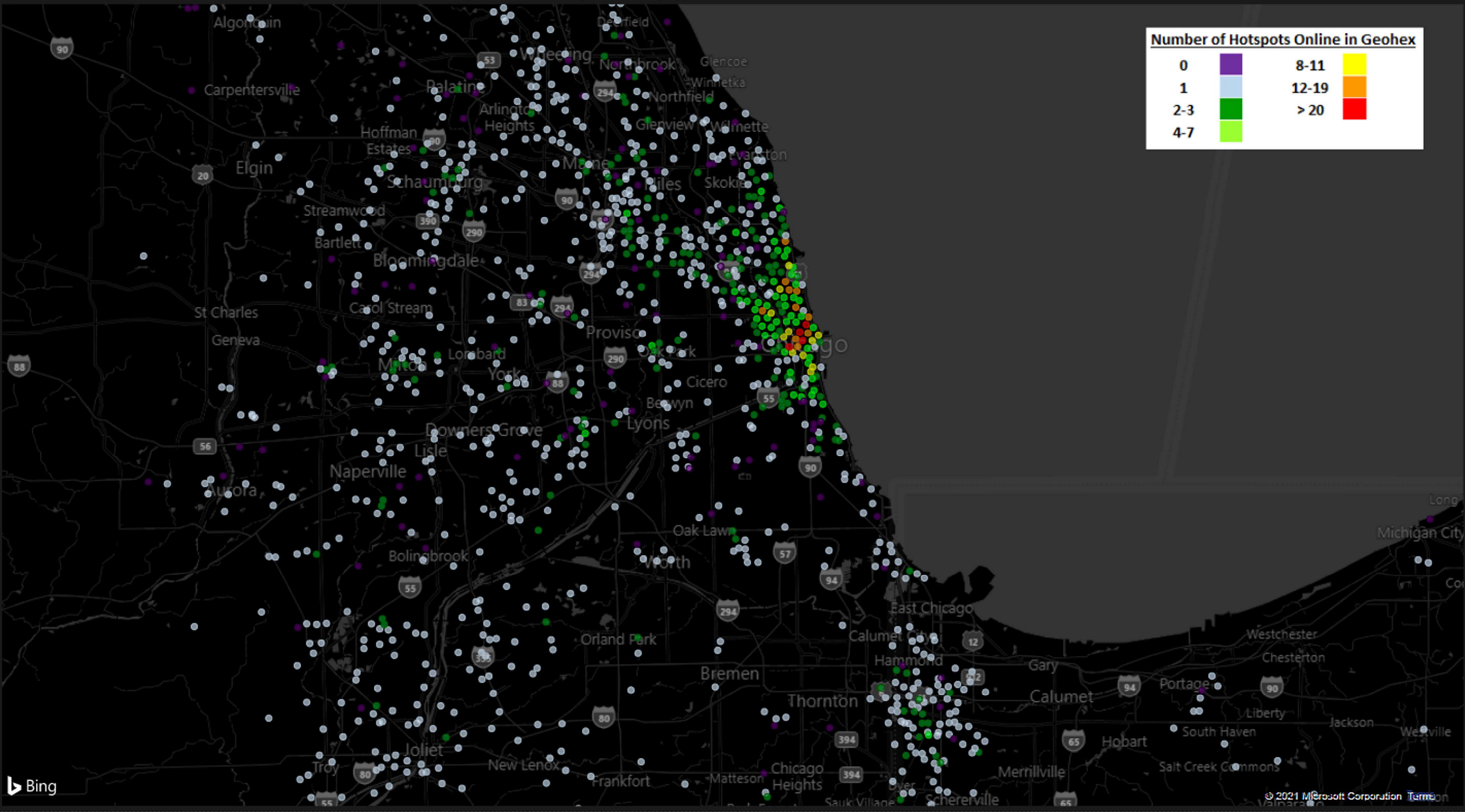   - **95%** percentile oracle price block distance **100 blocks** or **~1.8 hrs**

Raw HNT Oracle Prices (USD, daily average)
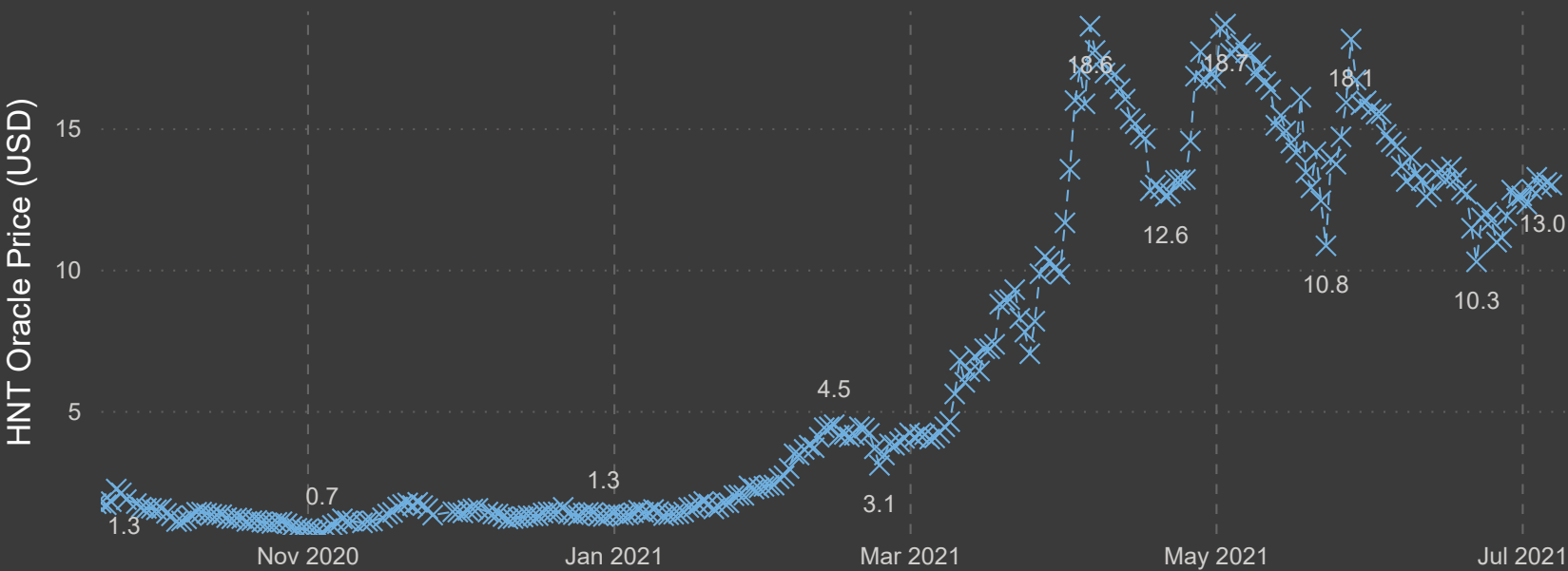
Block Distance Distribution

● % of Mining Txns   ● Running Total % Mining Txns
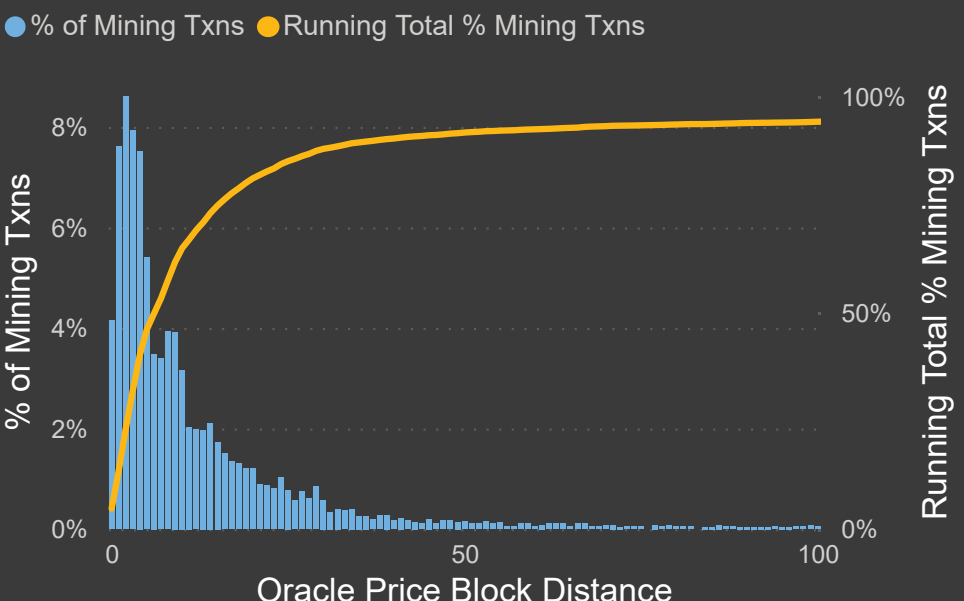
Spatial Hotspot Distribution Density for Greater Chicago Area (categorized by geohex)

Number of Hotspots Online in Geohex

0	8-11
1	12-19
2-3	> 20
4-7	

Spatial Hotspot Distribution Density for SF Bay Area (categorized by geohex)

Number of Hotspots Online in Geohex

0	(purple)	8-11	(yellow)
1	(light blue)	12-19	(orange)
2-3	(green)	> 20	(red)
4-7	(light green)		